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Self Assessment Report for BS (Computer Science)
University Institute of Information Technology
July 2010-2012

Self Assessment Report

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Members: Mr. Yasir Hafeez
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Contents

INTRODUCTION	5
CRITERION 1: PROGRAM MISSION, OBJECTIVES AND OUTCOMES	6
CRITERION 2: CURRICULUM DESIGN AND ORGANIZATION	348
CRITERION 3: LABORATORIES AND COMPUTING FACILITIES	351
CRITERION 4: STUDENT SUPPORT AND ADVISING	353
CRITERION 5: PROCESS CONTROL	355
CRITERION 6: FACULTY	358
CRITERION 7: INSTITUTIONAL FACILITIES	363
CRITERION 8: INSTITUTIONAL SUPPORT	367
SUMMARY AND CONCLUSION	369
ANNEXURES	371
ANNEXURE I: ALUMNI SURVEY	371
ANNEXURE II: GRADUATING STUDENTS SURVEY	372
ANNEXURE III: EMPLOYER SURVEY	373
ANNEXURE IV: FACULTY RESUME	375
ANNEXURE V: FACULTY COURSE REVIEW REPORT	387

List of Tables

Table 1: Programs Objectives Assessment	6
Table 2: Program Outcomes and Their Relationship with Objectives	10
Table 3: Performance measures for research activities	344
Table 4: Quantitative assessment of the department	345
Table 5: Courses versus Outcomes	347
Table 5(a): Detail of Courses representing theoretical background, problem analysis and solution design	350(a)
Table 5(b): Credit hour division between major areas	350(d)
Table 5(c): General Education Courses	350(d)
Table 6: Laboratory Facility	351
Table 7: Student to Teacher Ratio at UIIT	353
Table 8: Full Time Faculty Members at UIIT	357
Table 9: Part Time Faculty Members at UIIT	357
Table 10: Result of Faculty Survey	359
Table 11: Number of students enrolled in BS-CS in last ten years	364
Table 12: Financial Information about the institution and the Program	365

List of Figures

Figure 1: Teacher Evaluation Graph	11
Figure 2: Course Evaluation Graph	69
Figure 3: Result of Alumni Survey	338
Figure 4: Knowledge	339
Figure 5: Communication Skills	340
Figure 6: Interpersonal Skills	341
Figure 7: Management and Leadership Skills	342
Figure 8: Survey of Graduating Students	343
Figure 9: Employer Survey for Determining the Student's Skill Level	346

Introduction

Computer Science (CS) and associated fields such as Information Technology have become a synonym for efficiency and quality of service. University Institute of Information Technology (UIIT) was established in 2001 to address this dire need. This year, UIIT is celebrating its 10th years of excellence in quality manpower production in the fields of CS and IT.

The challenging field of CS needs creative and knowledgeable professionals committed to quality. The aim of offering BS (CS) program is to provide an opportunity for the students to acquire up-to-date technical knowledge; marketable skills, professional competencies and valuable expertise in the rapidly advancing field of Information Technology to ensure a prosperous future. The program produces graduates who will be flexible, adaptable to change, and able to face the challenges of the technology driven employment market. Toward these ends the program offers a set of core courses, science courses, general education & supportive courses.

With the latest developments in the field of Computer Science, the institute regularly revises and updates its curriculum. More recently, emerging tools and technologies have been incorporated in the curriculum. The institute provides a variety of study programs such as Databases, Programming, Web Design and Development, Networking, Management, Marketing and Accounting to enhance students' professional training and career opportunities. Students are offered opportunities to interact with leading professionals of industry to hone their skills according to market requirements.

Criterion 1: Program Mission, Objectives and Outcomes

The self assessment is based on a number of criteria. To meet each criterion several standards must be satisfied. This section describes how the standards of the Criterion are met.

Standard 1-1: The program must have documented measurable objectives that support institution mission statements.

Mission Statement:

The mission of BSCS program is to prepare students as professionals by imparting high quality education in the field of computing. Graduates of the program will take appropriate CS professional positions in industry and organizations, or pursue higher education and research in related disciplines.

The main elements of strategic planning to achieve mission and objectives

The main elements which are present in the plan to achieve the mission and objective are listed below:

1. Development of a sound and a dynamic teaching system based on the experience and vision gathered from world reviews, literature, innovations, proceedings, symposia etc. for the award of degrees.
2. Designing and constantly updating the curriculum involving core subjects, elective subjects, specialized areas, internship programs and study tours.
3. Setting up of well equipped specialized laboratories depending on the available resources.
4. Implementation of research projects funded by the universities and other agencies.
5. Development of linkages with national and international research organizations to foster research.

The assessment of program objectives through different criteria is presented in Table 1

Table 1: Programs Objectives Assessment

S #	Objective	How Measured	When Measured	Improvement Identified	Improvement Made
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1	Development of a sound and dynamic teaching system..	Through quizzes, assignments and exams	It is a regular Process as per Requisite	Techniques for assessment required to be improved.	Exams are made more technical to assess the students.
2	Designing and constantly updating the curriculum.	Assessed through feedback from the market and leading institutes in the country.	At start of every semester.	Various specialized courses are Required to be Incorporated in the syllabus	Improvement of Courses as per Requisite
3	Equipped specialized laboratories. Resources.	Assessment is done through feedback from the students.	It is a continuous activity.	Resources need to be increased.	Available resources are scheduled in a way that maximum resources are available to the maximum students.
4	Implementation of research projects.	Through final degree project	At the end of final degree project.	The latest research and technology required project should be implemented.	It's achieved to some extent by giving students many projects from the research work which don't have implementation.
5	Development of	Through software	At end of	There should	An open house

	linkages with national and international research.	exhibitions	degree	be visits to the industry.	decided to be organized regularly every year.
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Program Learning Outcomes

At the successful completion of BS CS degree, the students will be equipped with the following

1. Be competent in theoretical and mathematical foundations of computer science and be able to

1. Apply fundamental concepts of discrete mathematics such as logic, proofs, set theory, relations, functions, and combinatorial to model computational problems.
2. Demonstrate the application of abstract structures such as graphs, finite state machines, and recurrence relations to the solution of computer science problems.
3. Analyze and evaluate comparative performance of algorithms and data structures appropriate for solving computer science problems.
4. Apply concepts related to data structures such as lists, stacks, queues, arrays, graphs, trees, heaps, and hashing to design and create algorithms.

2. Be proficient in one programming language and have a basic knowledge of several others and be able to

1. Write efficient solutions to specific problems using an object-oriented programming language.
2. Write programs in assembly language.
3. Write programs in a procedural programming language.

3. Understand the hardware and software architecture of computer systems and be able to

1. Explain the function and interaction of computer processing units, memories, and input/output devices.
2. Define and explain elements of operating systems such as memory management, process scheduling, synchronization and interaction, and input/output devices.
3. Distinguish computer network elements and understand issues related to computer security.
4. **Demonstrate the ability to participate in professional practices related to software engineering and be able to**
 1. Negotiate, clarify, and document customer requirements.
 2. Apply knowledge of fundamental algorithms, programming language concepts, and design patterns to determine an overall design for a software system.
 3. Implement a fully specified system,
 4. Test a fully specified system.
 5. Plan and monitor the progress of software projects to ensure on time delivery of a high-quality system.
5. **Be able to communicate effectively about computer science-related topics and be able to**
 1. Deliver an audience-sensitive oral technical presentation.
 2. Write an audience-sensitive technical document.
 3. Contribute effectively on software-based system development teams.
6. **Demonstrate the ability to be responsible practitioners of computer science and understand the social and ethical implications of computing and be able to**
 1. Demonstrate ways in which computers pose new ethical questions or pose new versions of standards, moral problems and dilemmas.

2. Recognize and, when appropriate, to resolve ethical problems or dilemmas related to the computing profession.

Standard 1-2: The program must have documented outcomes for graduating students. It must be documented that the outcomes support the program objectives and that graduating students are capable of performing these outcomes.

Table 2: Program Outcomes to Their Relationship with Objectives

		Objectives				
		1	2	3	4	5
Outcomes	1	+++	+++	+++	++	++
	2	++	++	++	+	+++
	3	++	++	+++	+++	++
	4	++	+	+++	++	+
	5	+++	+++	+++	+++	++
	6	+	+++	+++	+++	++

+ = Moderately Satisfactory

++ = Satisfactory

+++ = Highly Satisfactory

Program Assessment Results

This section contains the Teacher Assessment and Student Course Evaluation in summarizing form as well as in detail form.

Teacher Evaluation

There are more than fourteen faculty members in the institute, but all of them are not teaching courses in the BS CS degree program only. The summarized results of the teachers who are teaching courses in the BS CS degree program are given in the graph below. Dr. Sohail has scored 84%, Ms. Aisha Umair has scored 73%, Mr. Muhammad Nazir has scored 81%, Ms. Irum Rubab has scored 76%, Mr. Syed Mushhad Gillani has scored 79%, Ms. Bushra Hamid has scored 83%, Mr. Muhammad Amjad Iqbal has scored 80%, Mr. Yasir Hafeez has scored 75%, Mr. Nasir Mehmood Minhas has scored 75%, Ms. Fakhra Mushtaq has scored 80%, Mr. Muhammad Azeem Abbas has scored 77%, Dr. Nawazish Naveed has scored 82%, Ms. Rubina Ghazal has scored 72%, Mr. Sheeraz Akram has scored 83%, Mr. M. Shabbir Hassan has scored 81%, Mr. Shehzad Saqib has scored 80%, Dr. Muhammad Shaheen has scored 77% and Mr. Naeem ur Rehman has scored 74%. The comparison of their score is shown below.

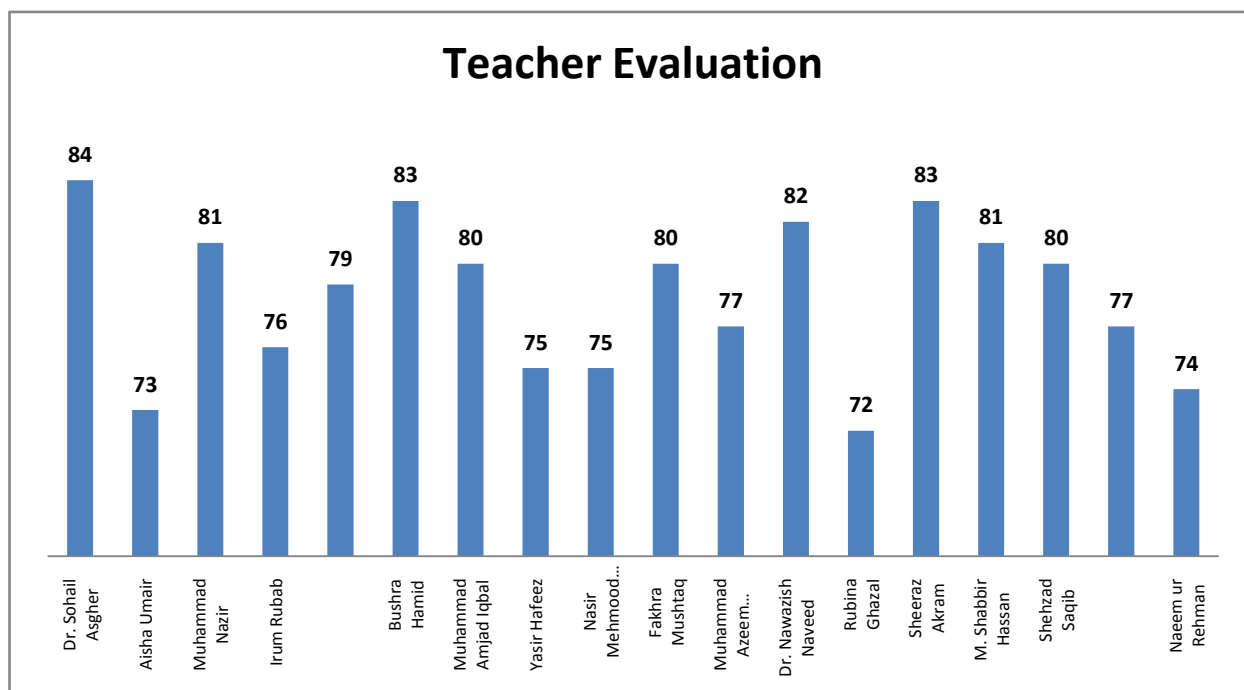
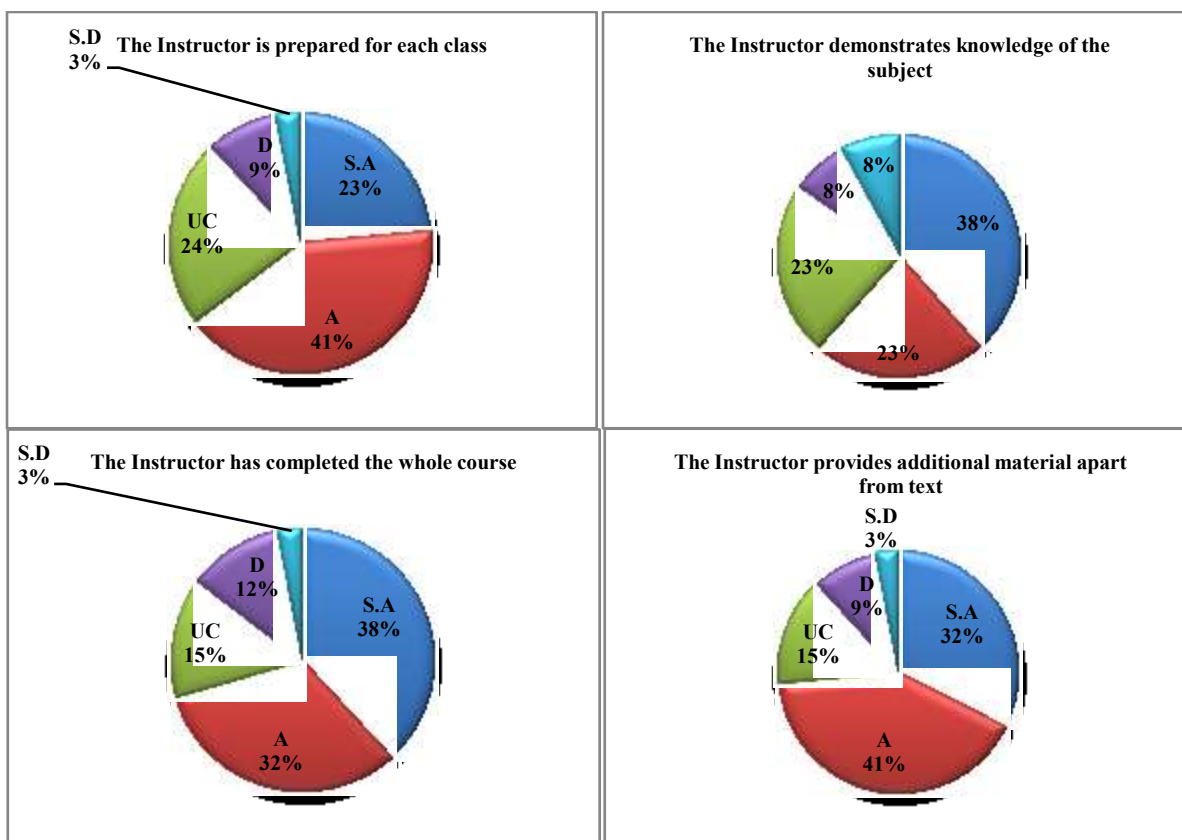


Figure 1: Teacher Evaluation Graph

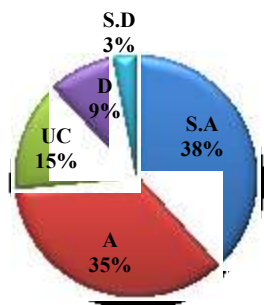
A detailed evaluation of teachers is given below.

Dr. Sohail Asghar (CS-400)

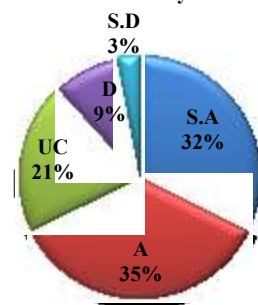
The graph shows the detail of evaluation. The graph for “The instructor is prepared for each class”, shows that 23% are strongly agreed, 41% are agreed, 24% are uncertain, 9% disagreed and 3% are strongly disagreed. The graph for “The instructor has completed the whole course”, shows that 38% are strongly agreed, 32% are agreed, 15% are uncertain, 12% disagreed and 3% are strongly disagreed. The graph for “The instructor shows respect towards students”, shows that 32% are strongly agreed, 38% are agreed, 18% are uncertain, 9% disagreed and 3% are strongly disagreed. The graph for “The instructor is fair in examination”, shows that 29% are strongly agreed, 38% are agreed, 21% are uncertain, 9% disagreed and 3% are strongly disagreed. The graph for “The instructor arrives on time”, shows that 38% are strongly agreed, 35% are agreed, 15% are uncertain, 9% disagreed and 3% are strongly disagreed. The graph for “The course material is modern and updated”, shows that 47% are strongly agreed, 29% are agreed, 12% are uncertain, 9% disagreed and 3% are strongly disagreed. The graph for “The teacher returns graded scripts in a reasonable amount of time”, shows that 32% are strongly agreed, 38% are agreed, 18% are uncertain, 9% disagreed and 3% are strongly disagreed.



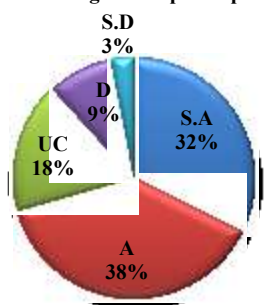
The Instructor gives citations regarding current situations With reference to Pakistani context



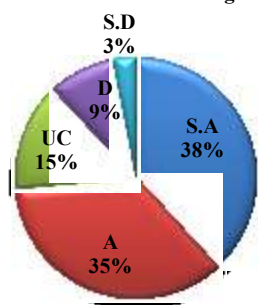
The Instructor communicates the subject matter effectively



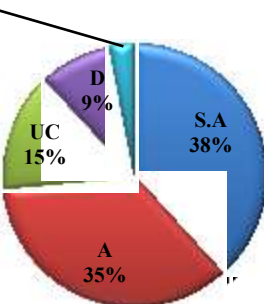
The Instructor shows respect towards students and encourages class participation.



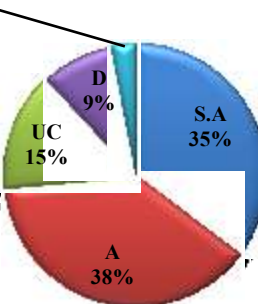
The Instructor maintains an environment that is conducive to learning.



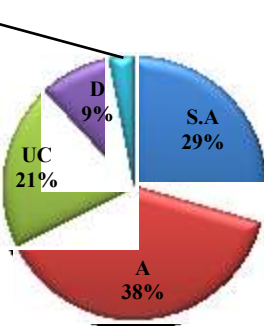
The Instructor arrives on time



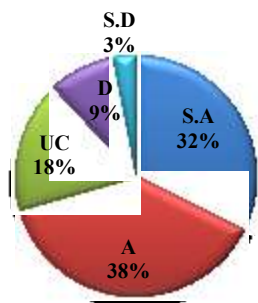
The Instructor leaves on time



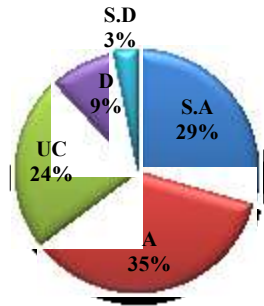
The Instructor is fair in examination



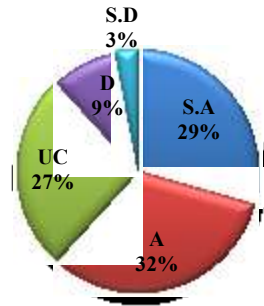
The Instructor returns the graded scripts, etc in a reasonable amount of time.



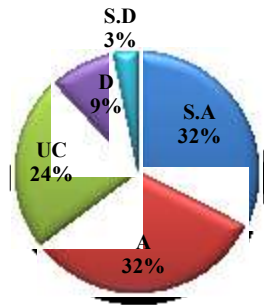
The Instructor was available during the specified officehours and for after class consultations.



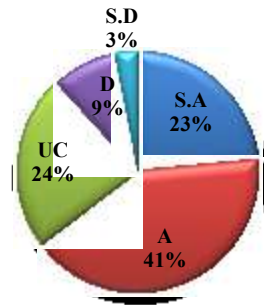
The subject matter presented in the course has increased your knowledge of the subject.



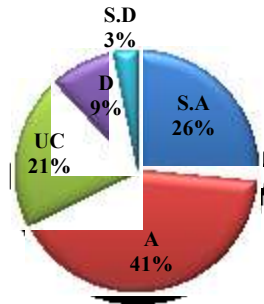
The syllabus clearly states course objectives requirements procedures and grading criteria.



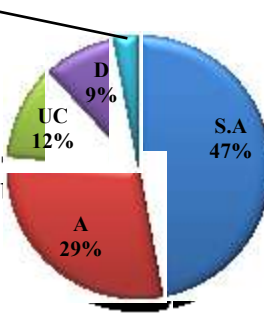
The course integrates theoretical course concepts with real-word applications.



The assignments and exams covered the materials presented in the course.



The course material is modern and updated



General Comments of the Students about this Teacher

Strengths:

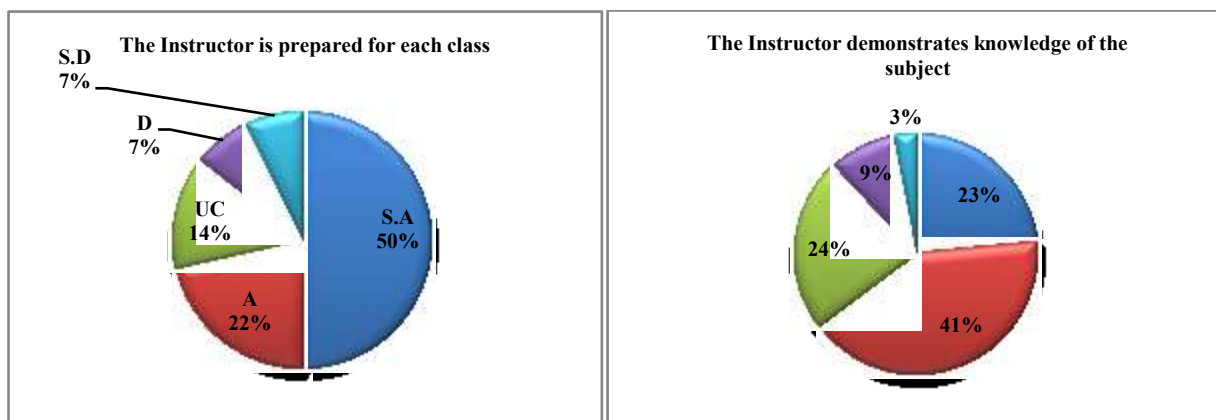
- The teacher is very punctual in classes
- The teacher is well prepared for the lecture
- The teacher has good communication.

Weaknesses:

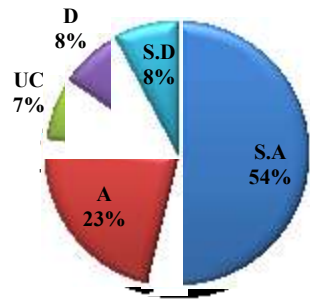
- More workload

Ms. Aisha Umair (CS-301)

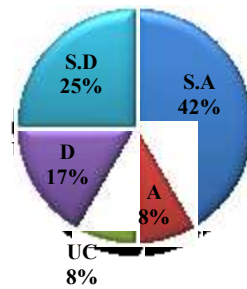
The graph for “The instructor is prepared for each class”, shows that 50% are strongly agreed, 22% are agreed, 14% are uncertain, 7% disagreed and 7% are strongly disagreed. The graph for “The Instructor provides additional material apart from text” , shows that 42% are strongly agreed, 8% are agreed, 8% are uncertain, 17% disagreed and 25% are strongly disagreed. The graph for “The Instructor maintains an environment that is conducive to learning.” , shows that 31% are strongly agreed, 23% are agreed, 16% are uncertain, 15% disagreed and 15% are strongly disagreed. The graph for “The subject matter presented in the course has increased your knowledge of the subject” shows that 50% are strongly agreed, 12% are agreed, 19% are uncertain, 6% disagreed and 13% are strongly disagreed.



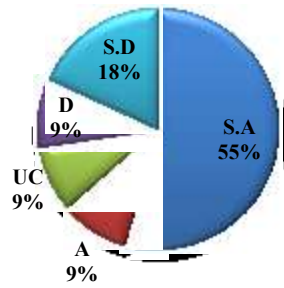
The Instructor has completed the whole course



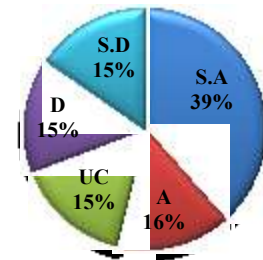
The Instructor provides additional material apart from text



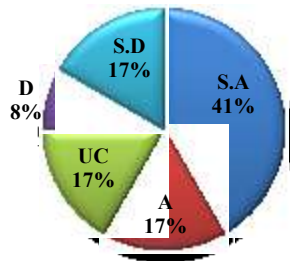
The Instructor gives citations regarding current situations With reference to Pakistani context



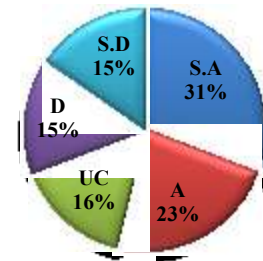
The Instructor communicates the subject matter effectively



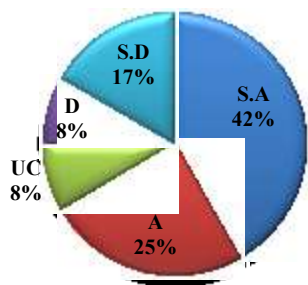
The Instructor shows respect towards students and encourages class participation.



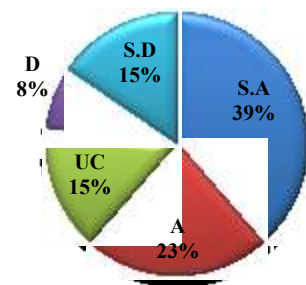
The Instructor maintains an environment that is conducive to learning.



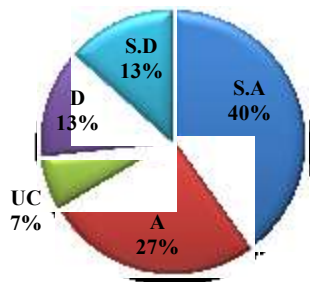
The Instructor arrives on time



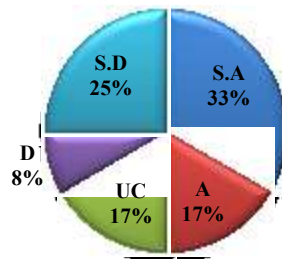
The Instructor leaves on time



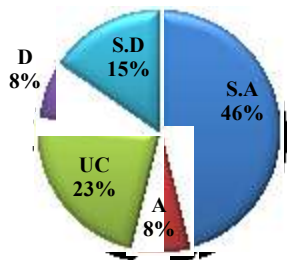
The Instructor is fair in examination



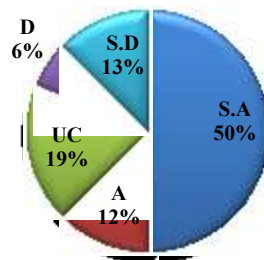
The Instructor returns the graded scripts. etc in a reasonable amount of time.



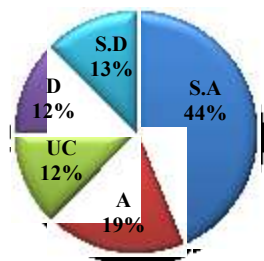
The Instructor was available during the specified officehours and for after class consultations.



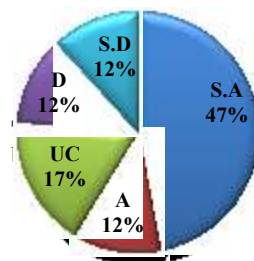
The subject matter presented in the course has increased your knowledge of the subject.



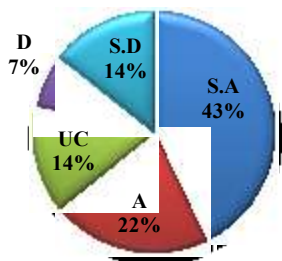
The syllabus clearly states course objectives requirements procedures and grading criteria.



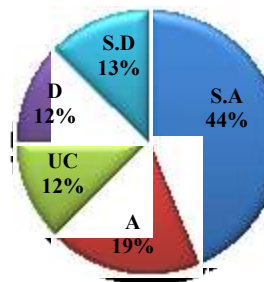
The course integrates theoretical course concepts with real-word applications.



The assignments and exams covered the materials presented in the course.



The course material is modern and updated



General Comments of the Students about the Teacher

Strengths:

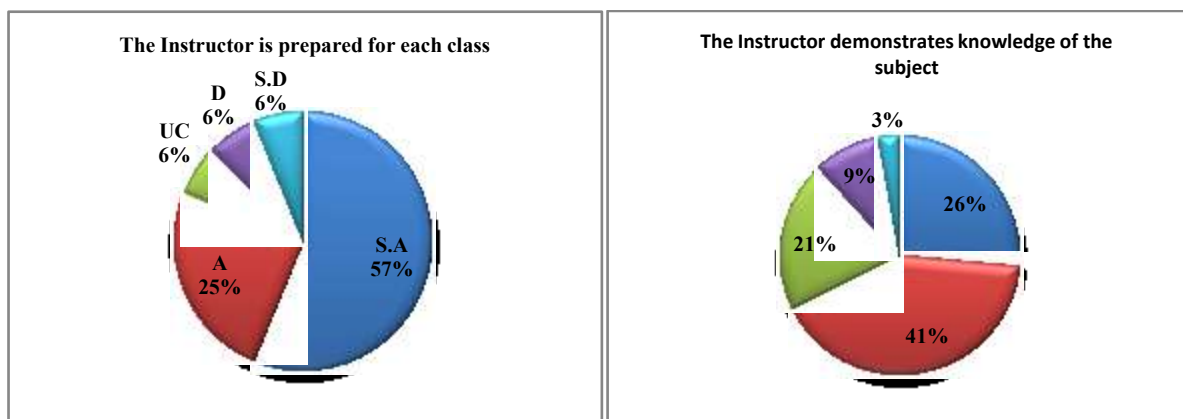
- Comprehensive course material
- Well presented
- Good Teaching method

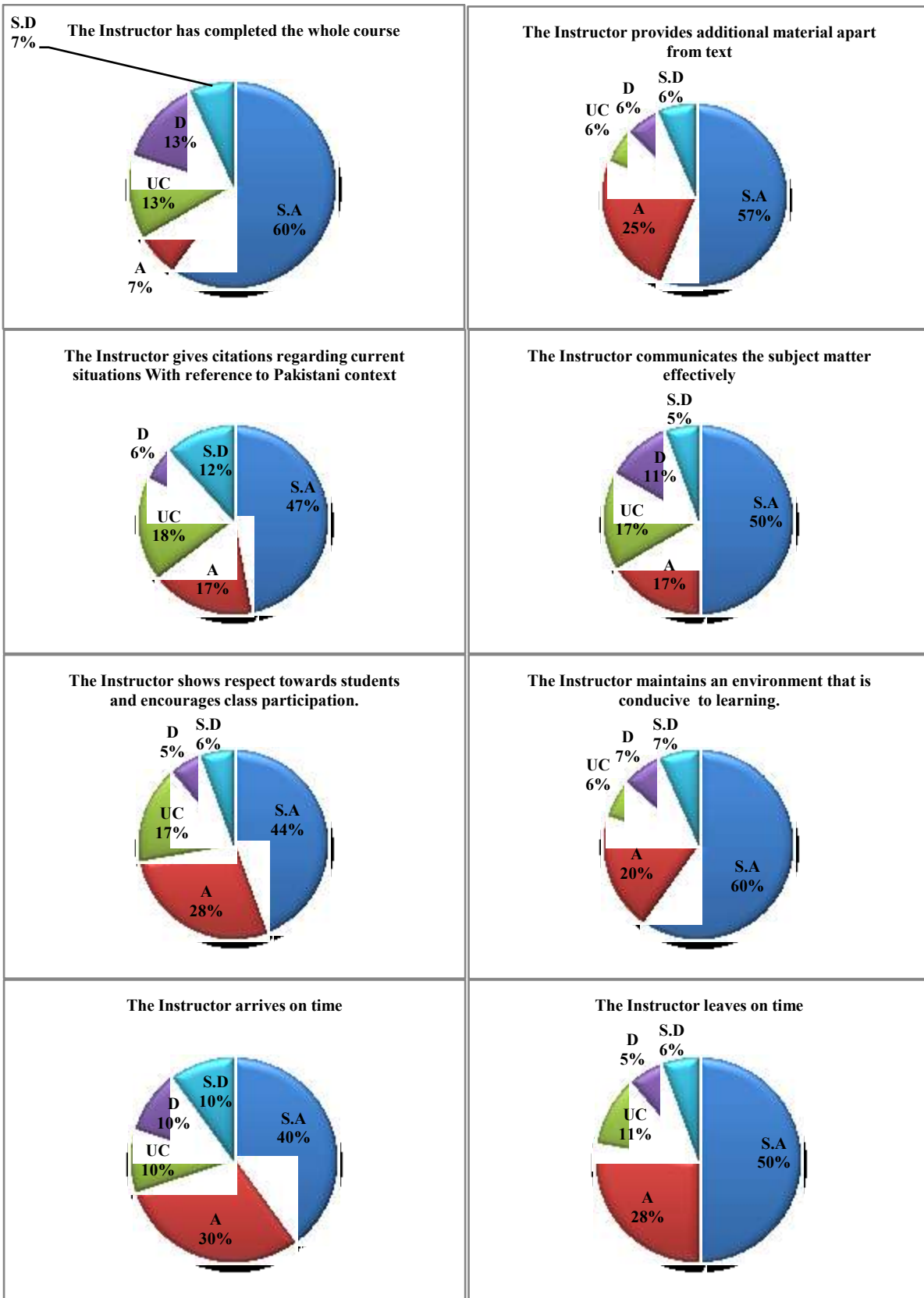
Weakness:

- The instructor should be more responsive to students

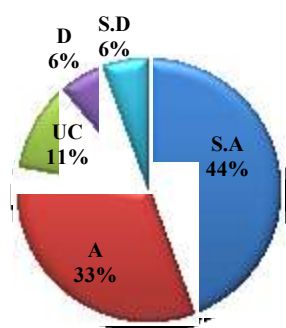
Mr. Muhammad Nazir (CS-335)

The graph for “The instructor is prepared for each class”, shows that 57% are strongly agreed, 25% are agreed, 6% are uncertain, 6% disagreed and 6% are strongly disagreed. The Instructor provides additional material apart from text” , shows that 57% are strongly agreed, 25% are agreed, 6% are uncertain, 6% disagreed and 6% are strongly disagreed. The graph for “The Instructor maintains an environment that is conducive to learning.” , shows that 60% are strongly agreed, 20% are agreed, 6% are uncertain, 7% disagreed and 7% are strongly disagreed. The graph for “The subject matter presented in the course has increased your knowledge of the subject” shows that 47% are strongly agreed, 23% are agreed, 12% are uncertain, 12% disagreed and 6% are strongly disagreed.

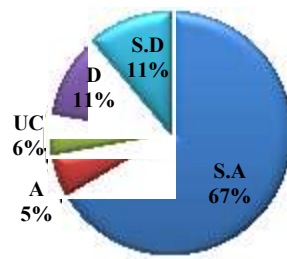




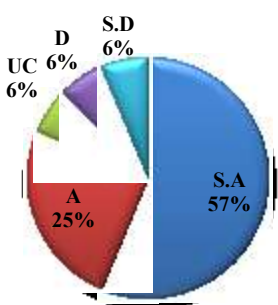
The Instructor is fair in examination



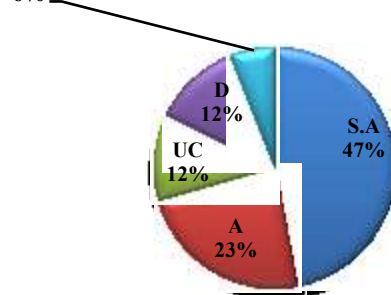
The Instructor returns the graded scripts. etc in a reasonable amount of time.



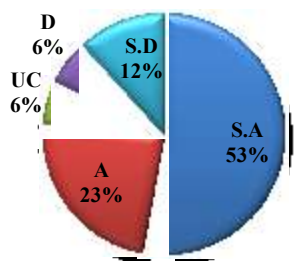
The Instructor was available during the specified officehours and for after class consultations.



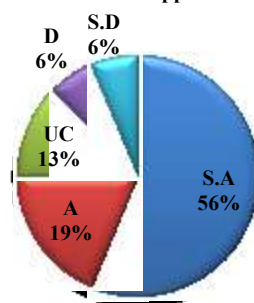
The subject matter presented in the course has increased your knowledge of the subject.



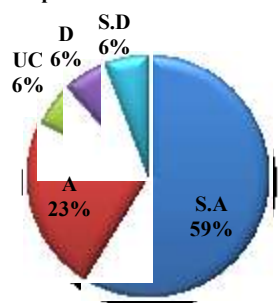
The syllabus clearly states course objectives requirements procedures and grading criteria.



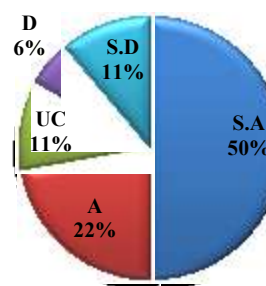
The course integrates theoretical course concepts with real-word applications.



The assignments and exams covered the materials presented in the course.



The course material is modern and updated



General Comments of the Students about the Teacher

Strengths:

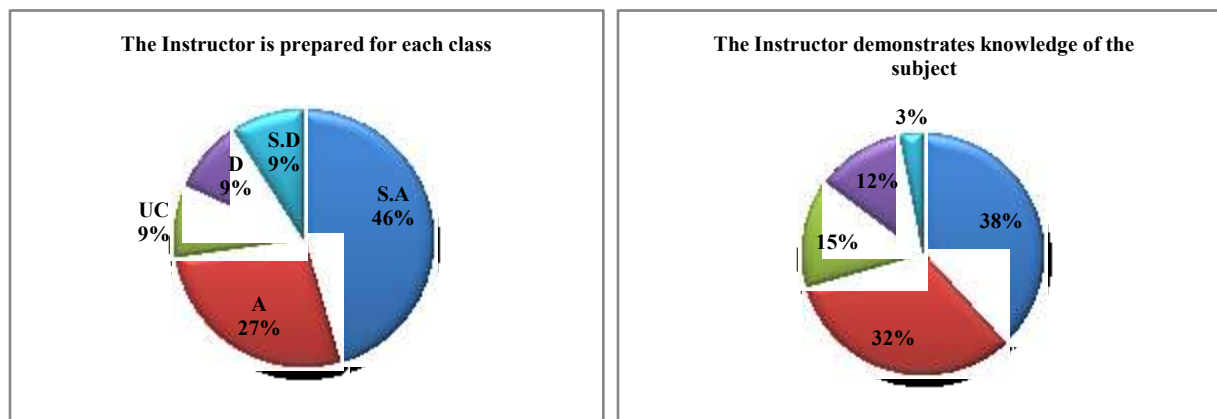
- Well prepared
- Punctual
- Fair in examinations

Weakness:

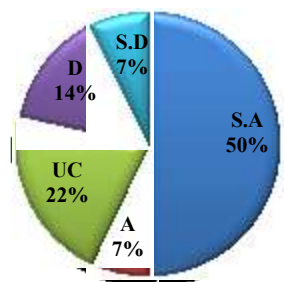
- The syllabus needs improvements

Ms. Irum Rubab (CS-552)

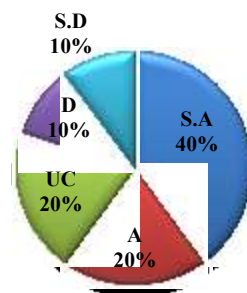
The graph shows the detail of evaluation. The graph for “The instructor is prepared for each class”, shows that 46% are strongly agreed, 27% are agreed, 9% are uncertain, 9% disagreed and 9% are strongly disagreed. The graph for ” The Instructor provides additional material apart from text” , shows that 40% are strongly agreed, 20% are agreed, 20% are uncertain, 10% disagreed and 10% are strongly disagreed. The graph for “The Instructor maintains an environment that is conducive to learning.” , shows that 54% are strongly agreed, 8% are agreed, 15% are uncertain, 15% disagreed and 8% are strongly disagreed. The graph for “The subject matter presented in the course has increased your knowledge of the subject” shows that 57% are strongly agreed, 15% are agreed, 7% are uncertain, 14% disagreed and 7% are strongly disagreed.



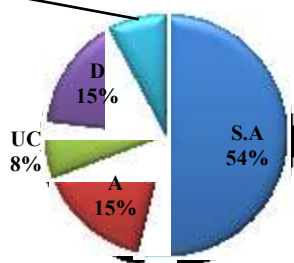
The Instructor has completed the whole course



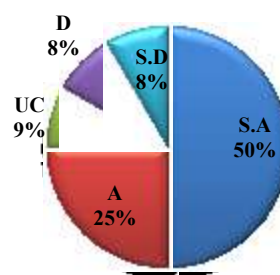
The Instructor provides additional material apart from text



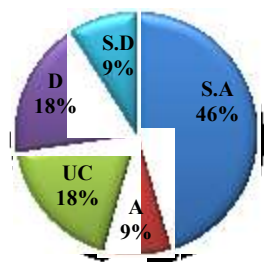
The Instructor gives citations regarding current situations With reference to Pakistani context
S.D 8%



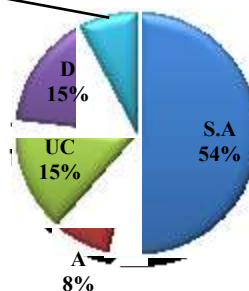
The Instructor communicates the subject matter effectively



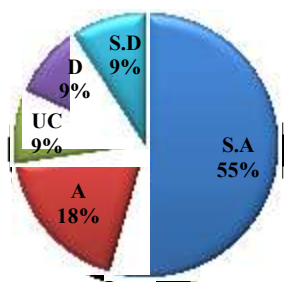
The Instructor shows respect towards students and encourages class participation.



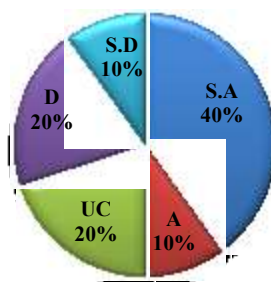
The Instructor maintains an environment that is conducive to learning.
S.D 8%

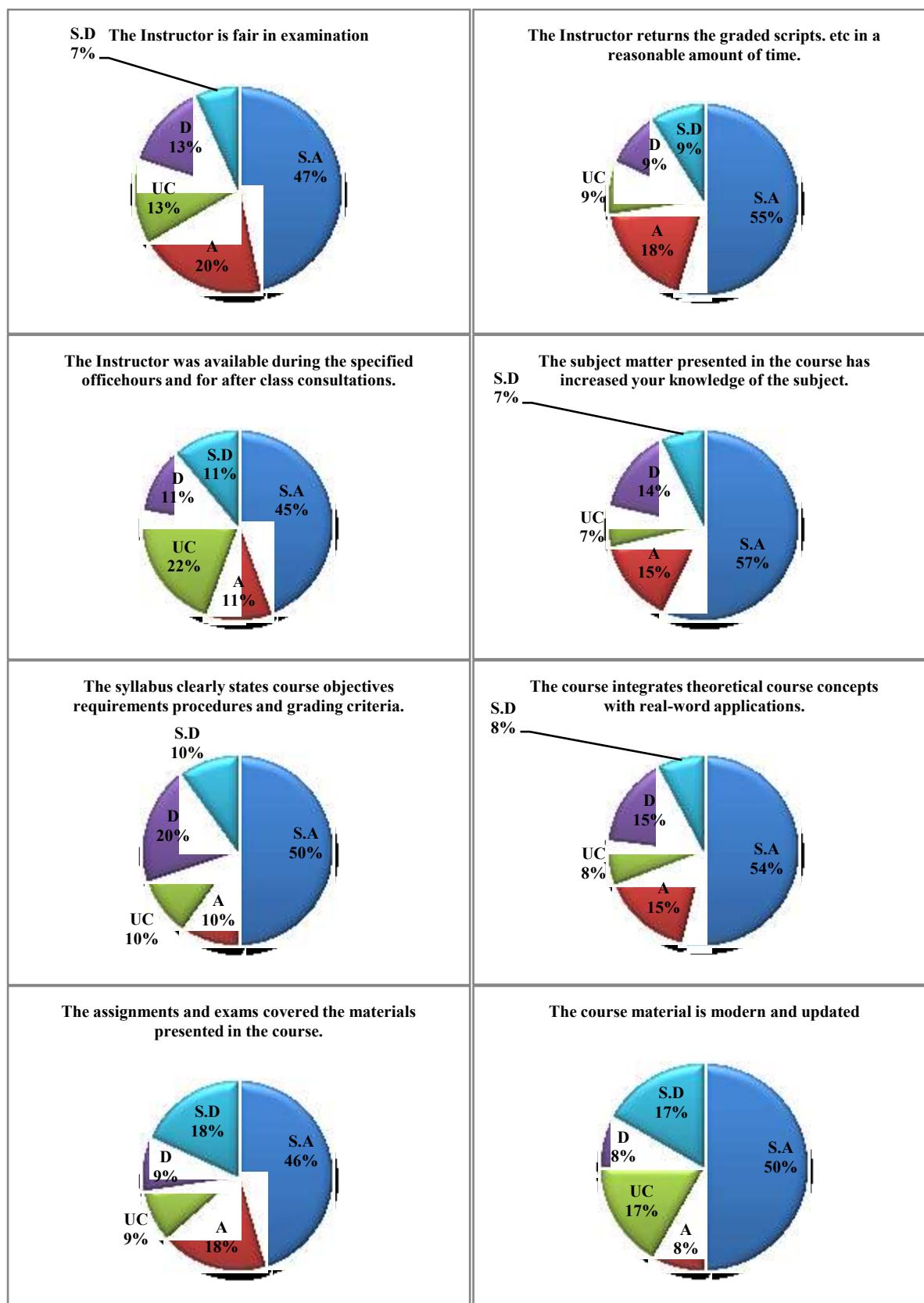


The Instructor arrives on time



The Instructor leaves on time





General Comments of the Students about the Teacher

Strengths:

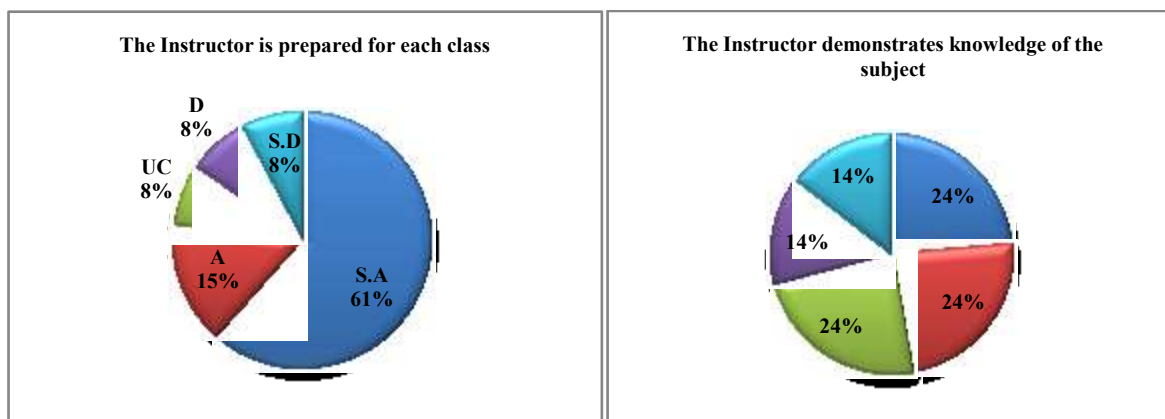
- Punctual in classes and fair in examination
- Well prepared and Good communication

Weaknesses:

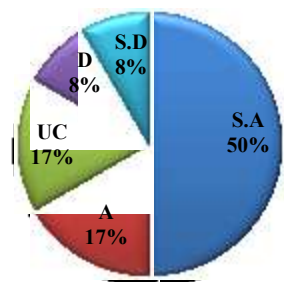
- Course material should be more updated
- The teacher should be available to students for extra help.

Mr. Syed Mushhad Gillani (CS-577)

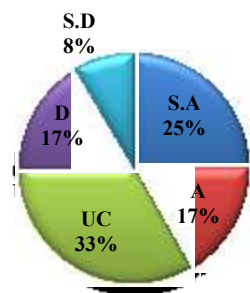
The graph for “The instructor is prepared for each class”, shows that 61% are strongly agreed, 15% are agreed, 8% are uncertain, 8% disagreed and 8% are strongly disagreed. The Instructor provides additional material apart from text” , shows that 25% are strongly agreed, 17% are agreed, 33% are uncertain, 17% disagreed and 8% are strongly disagreed. The graph for “The Instructor maintains an environment that is conducive to learning.” , shows that 61% are strongly agreed, 15% are agreed, 8% are uncertain, 8% disagreed and 8% are strongly disagreed. The graph for “The subject matter presented in the course has increased your knowledge of the subject” shows that 46% are strongly agreed, 31% are agreed, 7% are uncertain, 8% disagreed and 8% are strongly disagreed.



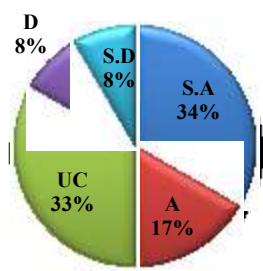
The Instructor has completed the whole course



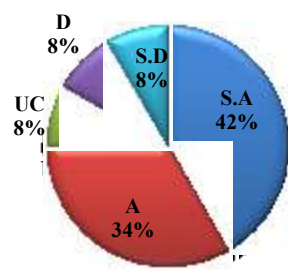
The Instructor provides additional material apart from text



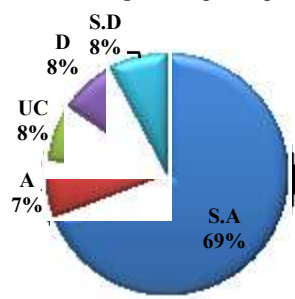
The Instructor gives citations regarding current situations With reference to Pakistani context



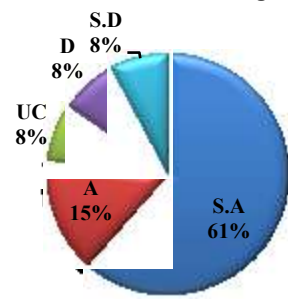
The Instructor communicates the subject matter effectively



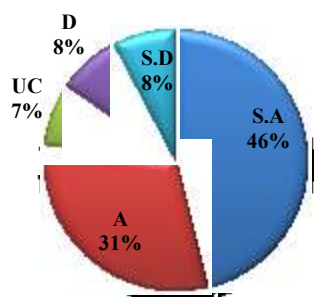
The Instructor shows respect towards students and encourages class participation.



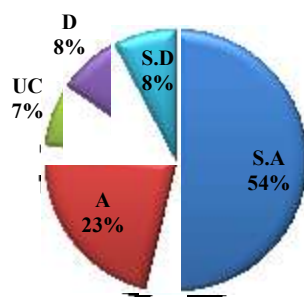
The Instructor maintains an environment that is conducive to learning.



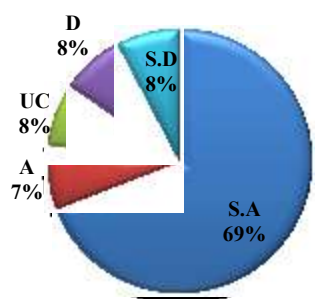
The Instructor arrives on time



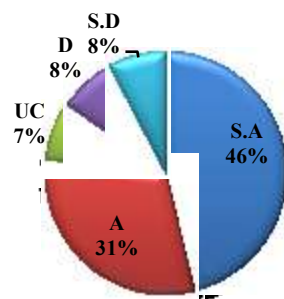
The Instructor leaves on time



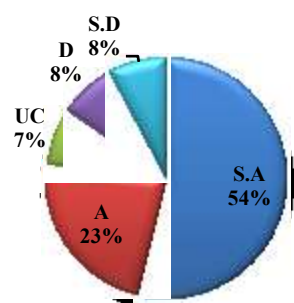
The Instructor is fair in examination



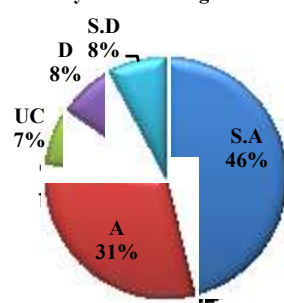
The Instructor returns the graded scripts. etc in a reasonable amount of time.



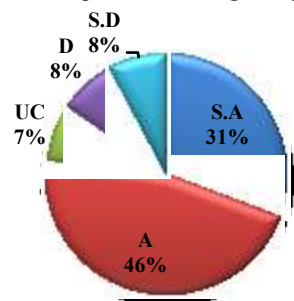
The Instructor was available during the specified officehours and for after class consultations.



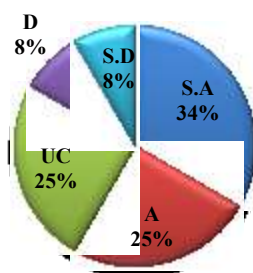
The subject matter presented in the course has increased your knowledge of the subject.



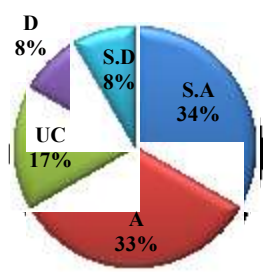
The syllabus clearly states course objectives requirements procedures and grading criteria.



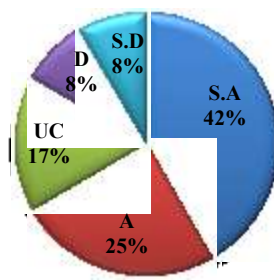
The course integrates theoretical course concepts with real-word applications.



The assignments and exams covered the materials presented in the course.



The course material is modern and updated



General Comments of the Students about the Teacher

Strengths:

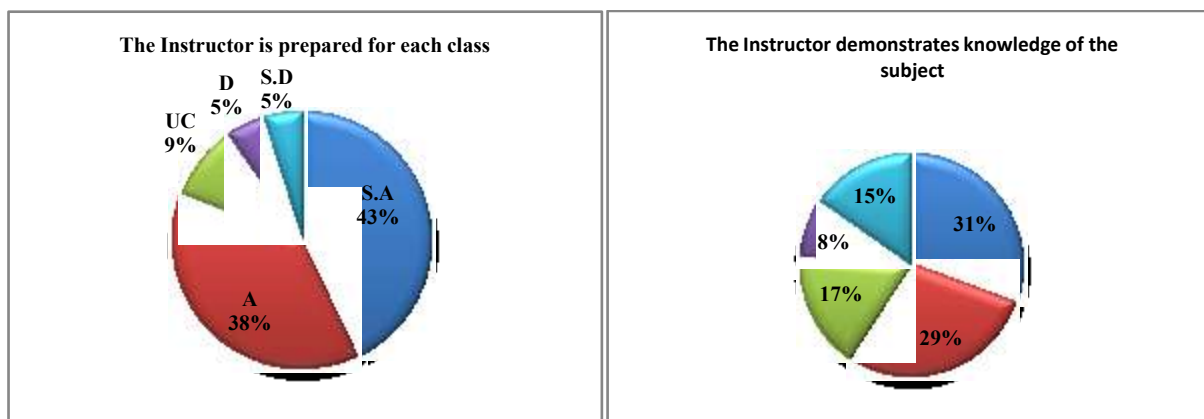
- Well prepared and fair in examination
- Punctual and respects the students

Strengths:

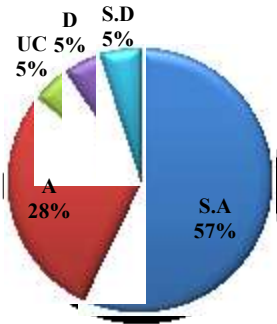
- The syllabus needs improvement
- More practical assignments required

Ms. Bushra Hamid (CS-582)

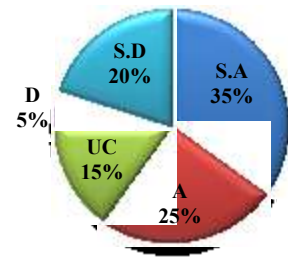
The graph for “The instructor is prepared for each class”, shows that 43% are strongly agreed, 38% are agreed, 9% are uncertain, 5% disagreed and 5% are strongly disagreed. The Instructor provides additional material apart from text” , shows that 35% are strongly agreed, 25% are agreed, 15% are uncertain, 5% disagreed and 20% are strongly disagreed. The graph for “The Instructor maintains an environment that is conducive to learning.” , shows that 52% are strongly agreed, 29% are agreed, 5% are uncertain, 9% disagreed and 5% are strongly disagreed. The graph for “The subject matter presented in the course has increased your knowledge of the subject” shows that 40% are strongly agreed, 30% are agreed, 10% are uncertain, 5% disagreed and 15% are strongly disagreed.



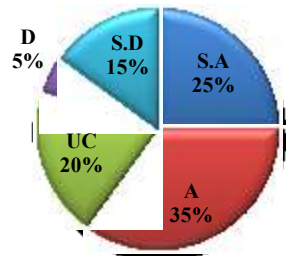
The Instructor has completed the whole course



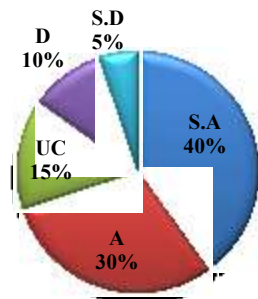
The Instructor provides additional material apart from text



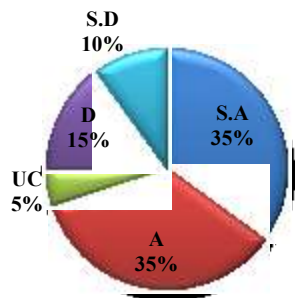
The Instructor gives citations regarding current situations With reference to Pakistani context



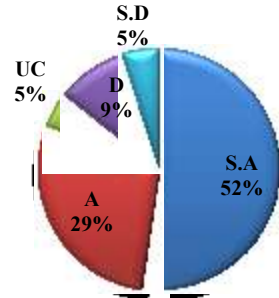
The Instructor communicates the subject matter effectively



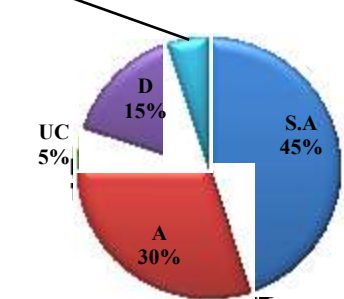
The Instructor shows respect towards students and encourages class participation.



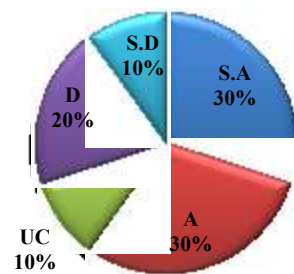
The Instructor maintains an environment that is conducive to learning.

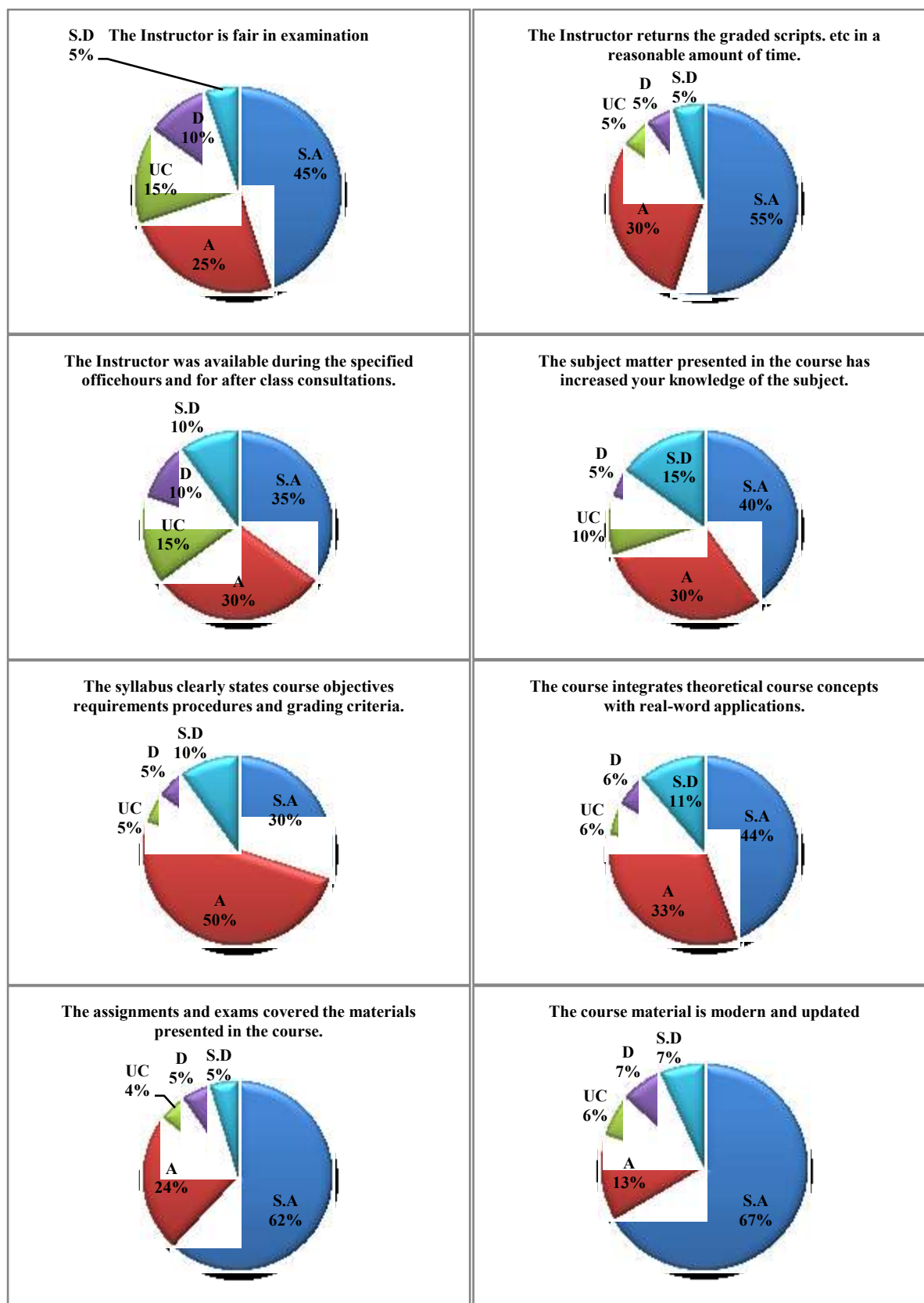


The Instructor arrives on time



The Instructor leaves on time





General Comments of the Students about the Teacher

Strengths:

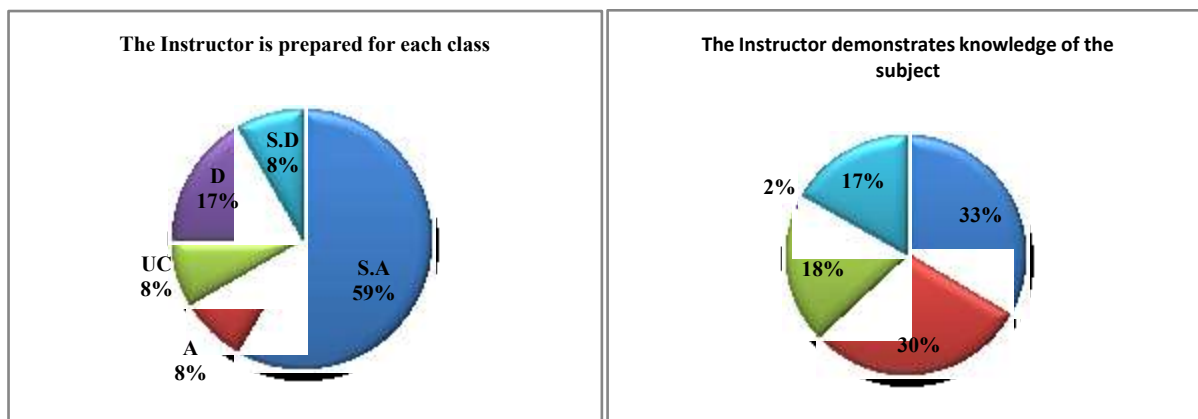
- Good Course objectives
- Well delivered
- Problem solving is good

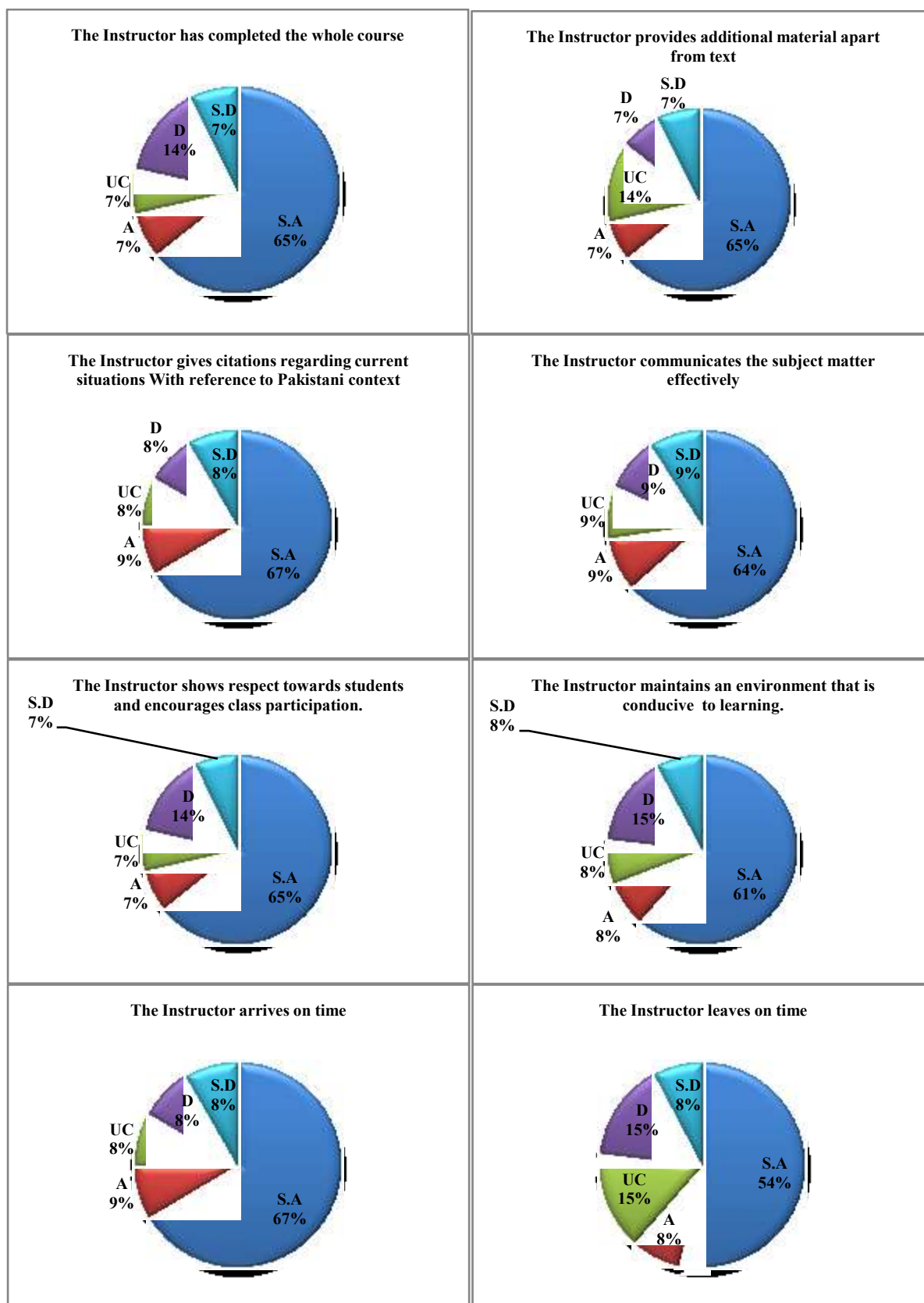
Weaknesses:

- Need timely feedback

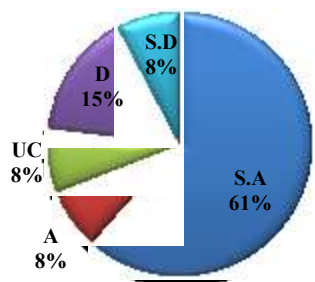
Mr. Muhammad Amjad Iqbal (CS-443)

The graph for “The instructor is prepared for each class”, shows that 59% are strongly agreed, 8% are agreed, 8% are uncertain, 17% disagreed and 8% are strongly disagreed. “The Instructor provides additional material apart from text” , shows that 65% are strongly agreed, 7% are agreed, 14% are uncertain, 7% disagreed and 7% are strongly disagreed. The graph for “The Instructor maintains an environment that is conducive to learning.” , shows that 61% are strongly agreed, 8% are agreed, 8% are uncertain, 15% disagreed and 8% are strongly disagreed. The graph for “The subject matter presented in the course has increased your knowledge of the subject” shows that 54% are strongly agreed, 13% are agreed, 7% are uncertain, 13% disagreed and 13% are strongly disagreed.

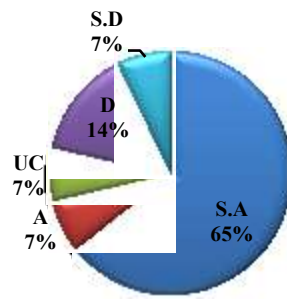




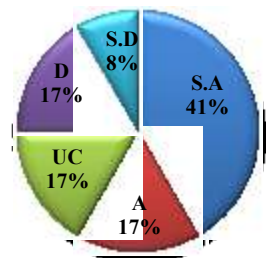
The Instructor is fair in examination



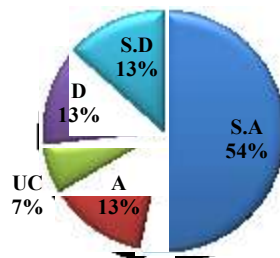
The Instructor returns the graded scripts. etc in a reasonable amount of time.



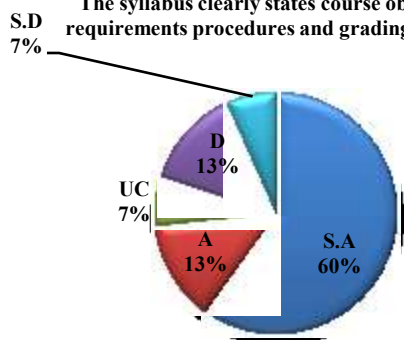
The Instructor was available during the specified officehours and for after class consultations.



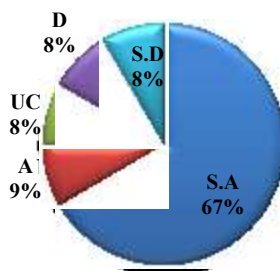
The subject matter presented in the course has increased your knowledge of the subject.



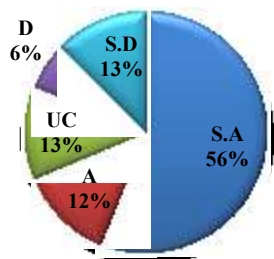
The syllabus clearly states course objectives requirements procedures and grading criteria.



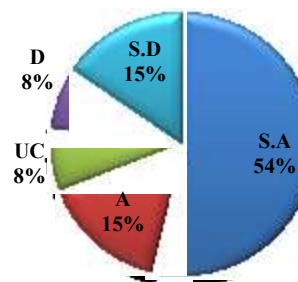
The course integrates theoretical course concepts with real-word applications.



The assignments and exams covered the materials presented in the course.



The course material is modern and updated



General Comments of the Students about the Teacher

Strengths:

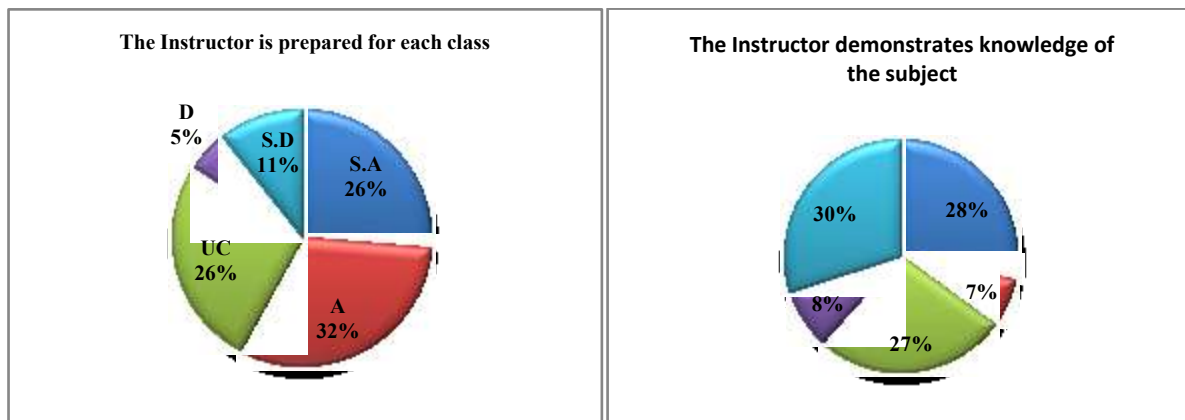
- Comprehensive course material
- Well presented
- Good Teaching method
- Take Quiz Weekly

Weakness:

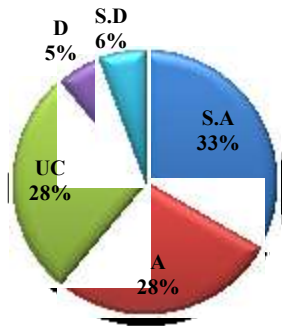
- The instructor should be more responsive to students
- More workload
- Slides should be provided

Mr. Yasir Hafeez (CS-552)

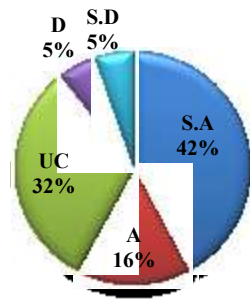
The graph for “The instructor is prepared for each class”, shows that 26% are strongly agreed, 32% are agreed, 26% are uncertain, 5% disagreed and 11% are strongly disagreed. The graph for “The Instructor provides additional material apart from text” , shows that 42% are strongly agreed, 16% are agreed, 32% are uncertain, 5% disagreed and 5% are strongly disagreed. The graph for “The Instructor maintains an environment that is conducive to learning.” , shows that 38% are strongly agreed, 24% are agreed, 28% are uncertain, 5% disagreed and 5% are strongly disagreed. The graph for “The subject matter presented in the course has increased your knowledge of the subject” shows that 28% are strongly agreed, 28% are agreed, 33% are uncertain, 5% disagreed and 6% are strongly disagreed.



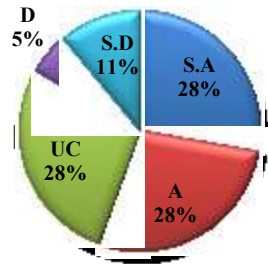
The Instructor has completed the whole course



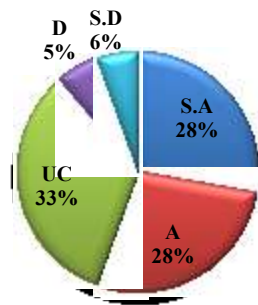
The Instructor provides additional material apart from text



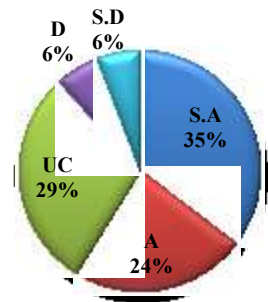
The Instructor gives citations regarding current situations With reference to Pakistani context



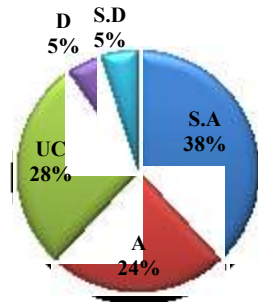
The Instructor communicates the subject matter effectively



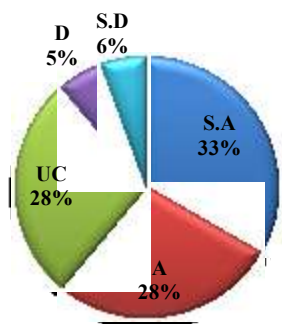
The Instructor shows respect towards students and encourages class participation.



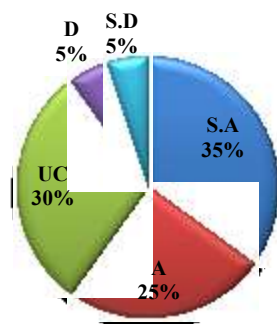
The Instructor maintains an environment that is conducive to learning.



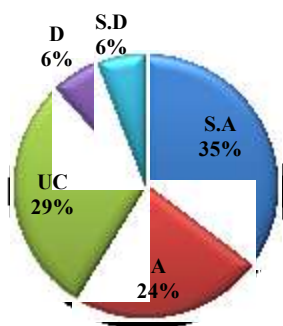
The Instructor arrives on time



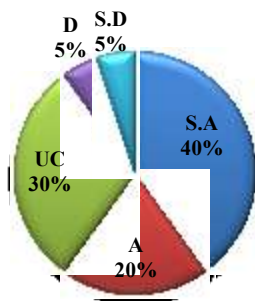
The Instructor leaves on time



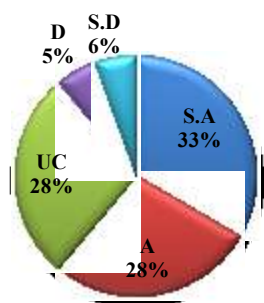
The Instructor is fair in examination



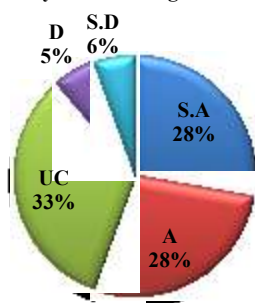
The Instructor returns the graded scripts, etc in a reasonable amount of time.



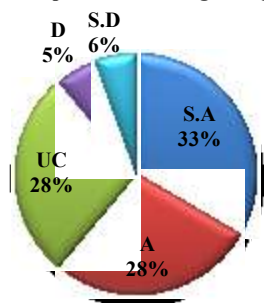
The Instructor was available during the specified officehours and for after class consultations.



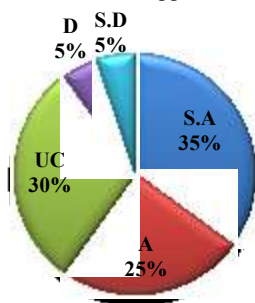
The subject matter presented in the course has increased your knowledge of the subject.



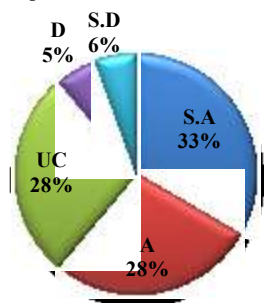
The syllabus clearly states course objectives requirements procedures and grading criteria.



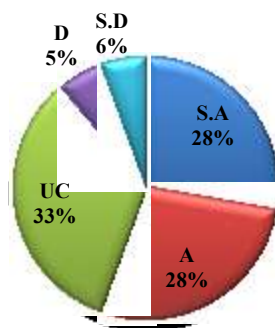
The course integrates theoretical course concepts with real-word applications.



The assignments and exams covered the materials presented in the course.



The course material is modern and updated



General Comments of the Students about the Teacher

Strengths:

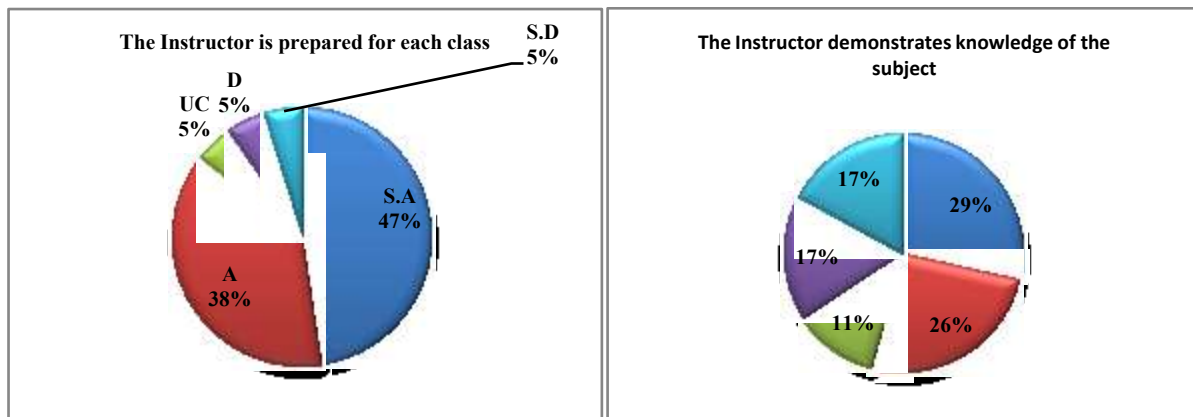
- Comprehensive course material
- Well presented
- Good Teaching method

Weakness:

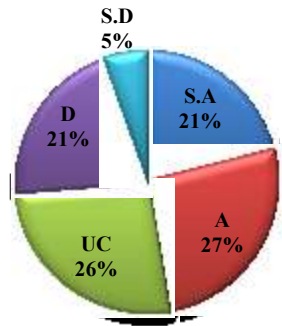
- More workload
- Should add real world examples

Mr. Nasir Mehmood Minhas (CS-582)

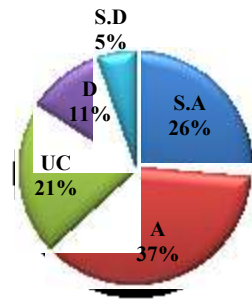
The graph for “The instructor is prepared for each class”, shows that 47% are strongly agreed, 38% are agreed, 5% are uncertain, 5% disagreed and 5% are strongly disagreed. The graph for “The Instructor provides additional material apart from text” , shows that 26% are strongly agreed, 37% are agreed, 21% are uncertain, 11% disagreed and 5% are strongly disagreed. The graph for “The Instructor maintains an environment that is conducive to learning.” , shows that 28% are strongly agreed, 33% are agreed, 28% are uncertain, 5% disagreed and 6% are strongly disagreed. The graph for “The subject matter presented in the course has increased your knowledge of the subject” shows that 50% are strongly agreed, 12% are agreed, 19% are uncertain, 6% disagreed and 13% are strongly disagreed.



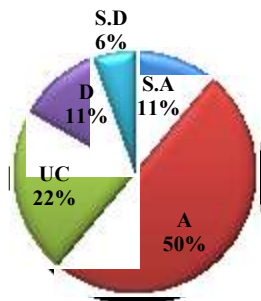
The Instructor has completed the whole course



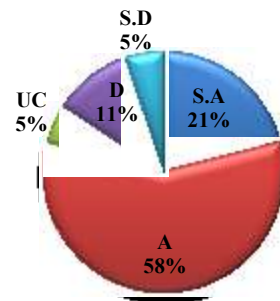
The Instructor provides additional material apart from text



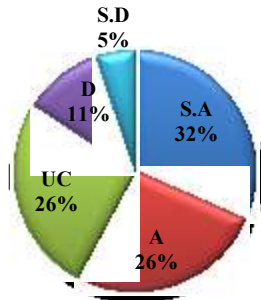
The Instructor gives citations regarding current situations With reference to Pakistani context



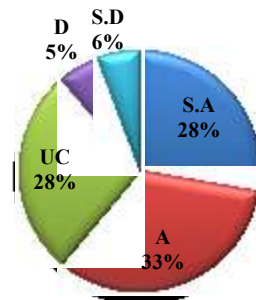
The Instructor communicates the subject matter effectively



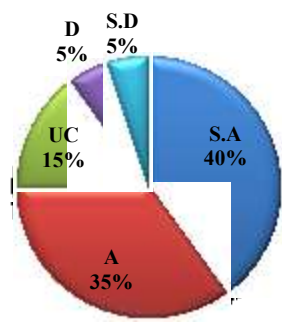
The Instructor shows respect towards students and encourages class participation.



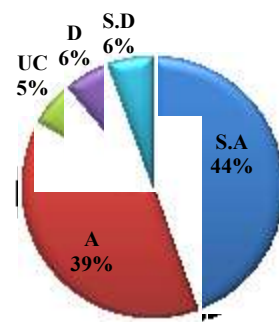
The Instructor maintains an environment that is conducive to learning.

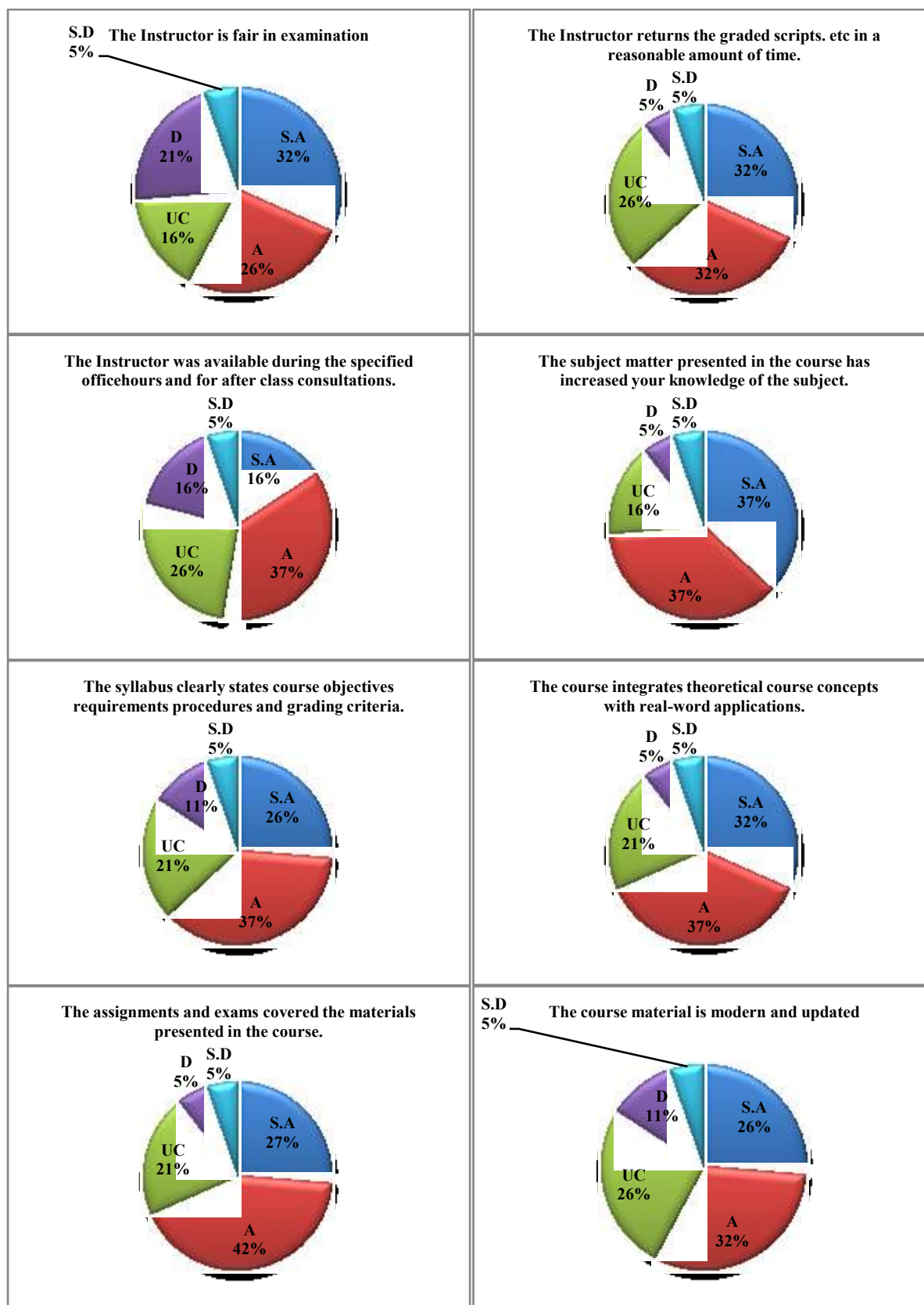


The Instructor arrives on time



The Instructor leaves on time





General Comments of the Students about the Teacher

Strengths:

- Course material available
- Good pace

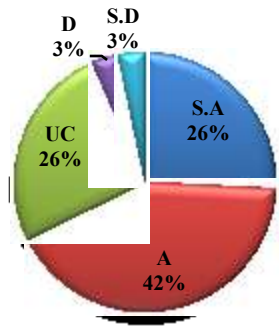
Weakness:

- Relevant material should be provided

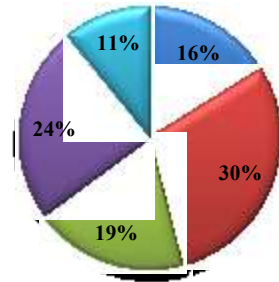
Ms. Fakhra Mushtaq (MGT-511)

The graph shows the detail of evaluation. The graph for “The instructor is prepared for each class”, shows that 26% are strongly agreed, 42% are agreed, 26% are uncertain, 3% disagreed and 3% are strongly disagreed. The graph for “The instructor has completed the whole course”, shows that 42% are strongly agreed, 36% are agreed, 16% are uncertain, 3% disagreed and 3% are strongly disagreed. The graph for “The instructor shows respect towards students”, shows that 36% are strongly agreed, 36% are agreed, 19% are uncertain, 6% disagreed and 3% are strongly disagreed. The graph for “The instructor is fair in examination”, shows that 32% are strongly agreed, 39% are agreed, 23% are uncertain, 3% disagreed and 3% are strongly disagreed. The graph for “The instructor arrives on time”, shows that 42% are strongly agreed, 36% are agreed, 16% are uncertain, 3% disagreed and 3% are strongly disagreed. The graph for “The course material is modern and updated”, shows that 52% are strongly agreed, 29% are agreed, 30% are uncertain, 3% disagreed and 3% are strongly disagreed. The graph for “The teacher returns graded scripts in a reasonable amount of time”, shows that 36% are strongly agreed, 39% are agreed, 19% are uncertain, 3% disagreed and 3% are strongly disagreed.

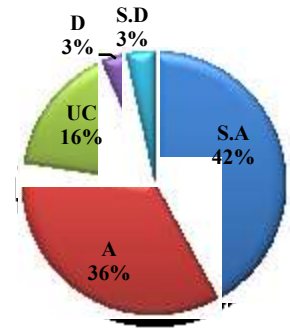
The Instructor is prepared for each class



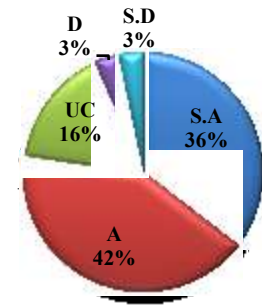
The Instructor demonstrates knowledge of the subject



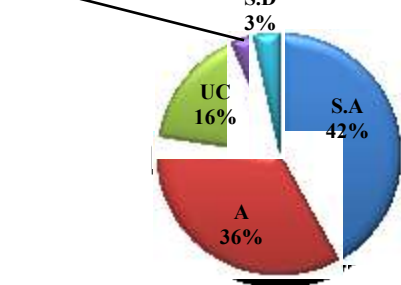
The Instructor has completed the whole course



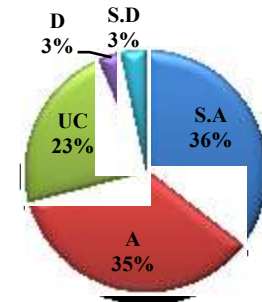
The Instructor provides additional material apart from text



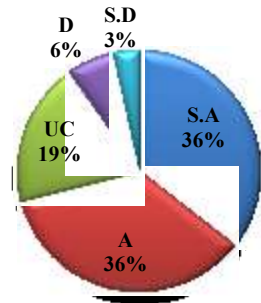
The Instructor gives citations regarding current situations With reference to Pakistani context



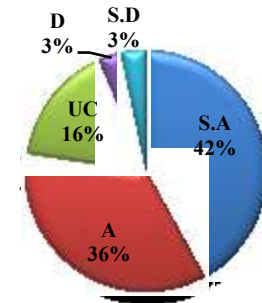
The Instructor communicates the subject matter effectively

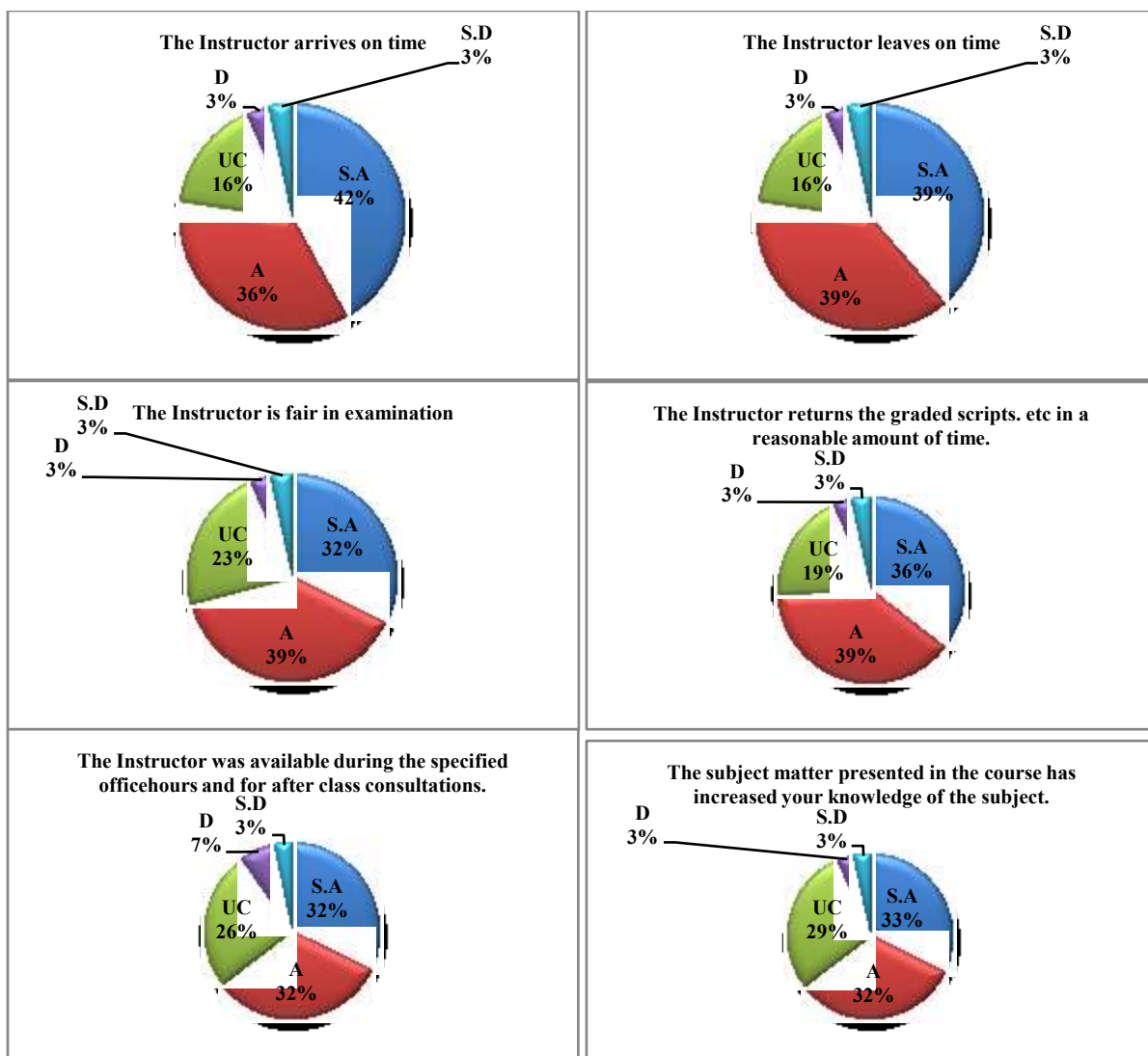


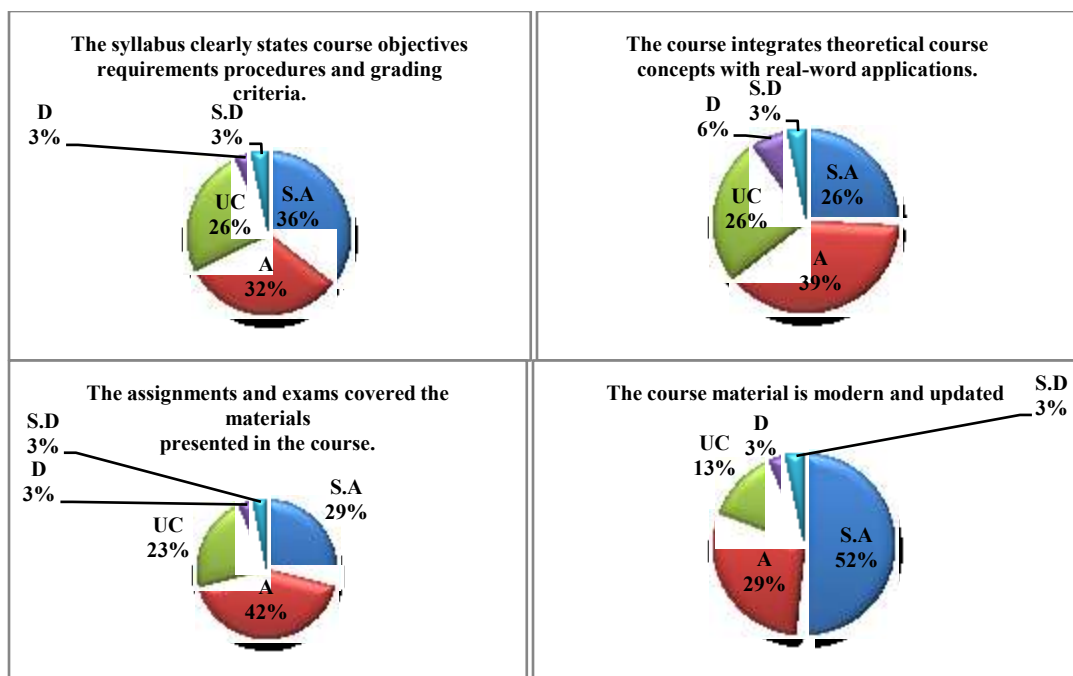
The Instructor shows respect towards students and encourages class participation.



The Instructor maintains an environment that is conducive to learning.







General Comments of the Students about this Teacher

Strengths:

- The teacher encourages students' participation.
- The teacher is able to teach this course.
- The teacher is fair in marking.

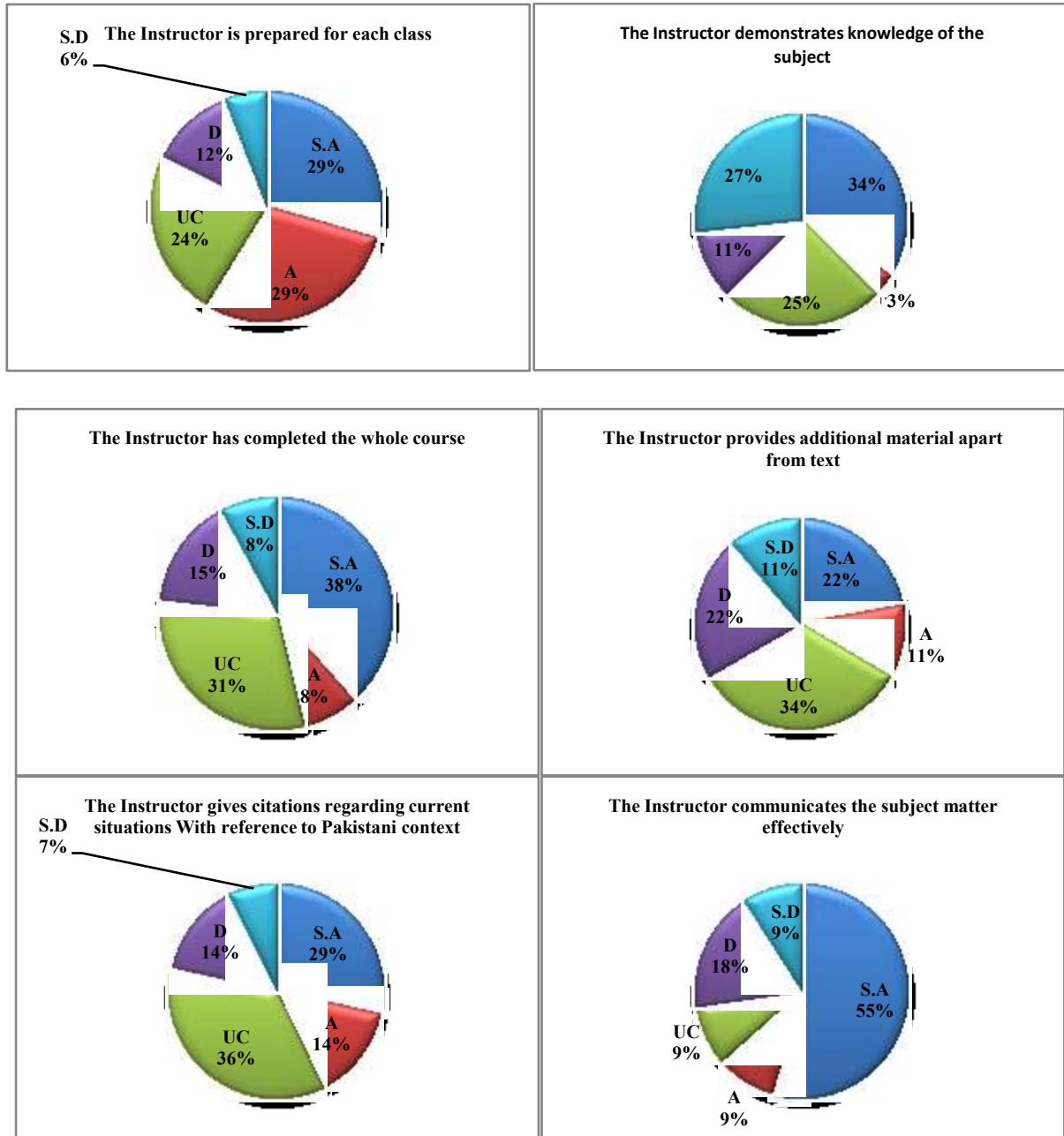
Weaknesses:

- The teacher should include modern concepts in her lectures to increase student knowledge.

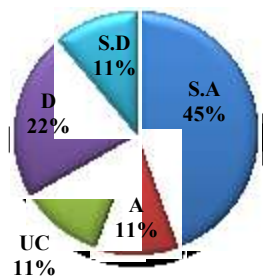
Muhammad Azeem Abbas (CS-565)

The graph shows the detail of evaluation. The graph for “The instructor is prepared for each class”, shows that 29% are strongly agreed, 29% are agreed, 24% are uncertain, 12% disagreed and 6% are strongly disagreed. The graph for “The instructor has completed the whole course”, shows that 38% are strongly agreed, 8% are agreed, 31% are uncertain, 15% disagreed and 8% are strongly disagreed. The graph for “The instructor shows respect towards students”, shows that 45% are strongly agreed, 11% are agreed, 11% are uncertain, 22% disagreed and 11% are strongly disagreed. The graph for “The instructor is fair in examination”, shows that 55% are strongly agreed, 0% are agreed, 9% are uncertain, 18% disagreed and 18% are strongly disagreed. The graph for “The instructor arrives on time”, shows that 56% are strongly agreed, 0% are agreed, 11% are uncertain, 22% disagreed and 11% are strongly disagreed. The graph for

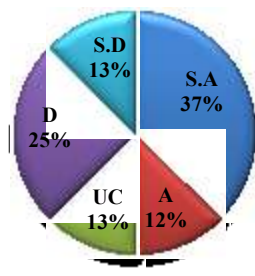
“The course material is modern and updated”, shows that 59% are strongly agreed, 8% are agreed, 8% are uncertain, 17% disagreed and 8% are strongly disagreed. The graph for “The teacher returns graded scripts in a reasonable amount of time”, shows that 29% are strongly agreed, 14% are agreed, 14% are uncertain, 29% disagreed and 14% are strongly disagreed.



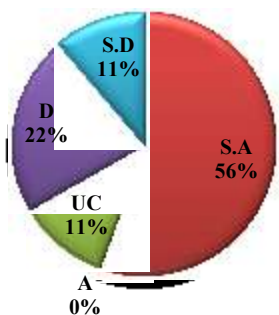
The Instructor shows respect towards students and encourages class participation.



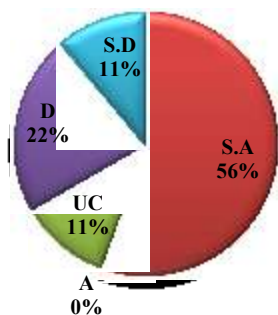
The Instructor maintains an environment that is conducive to learning.



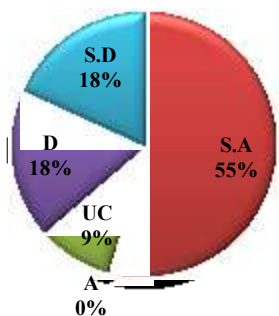
The Instructor arrives on time



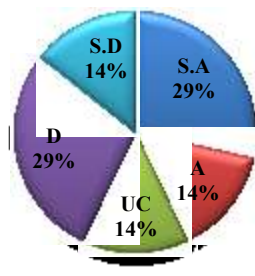
The Instructor leaves on time



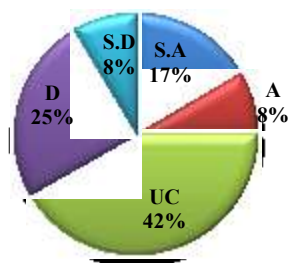
The Instructor is fair in examination



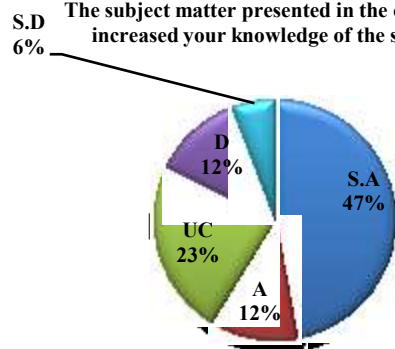
The Instructor returns the graded scripts. etc in a reasonable amount of time.

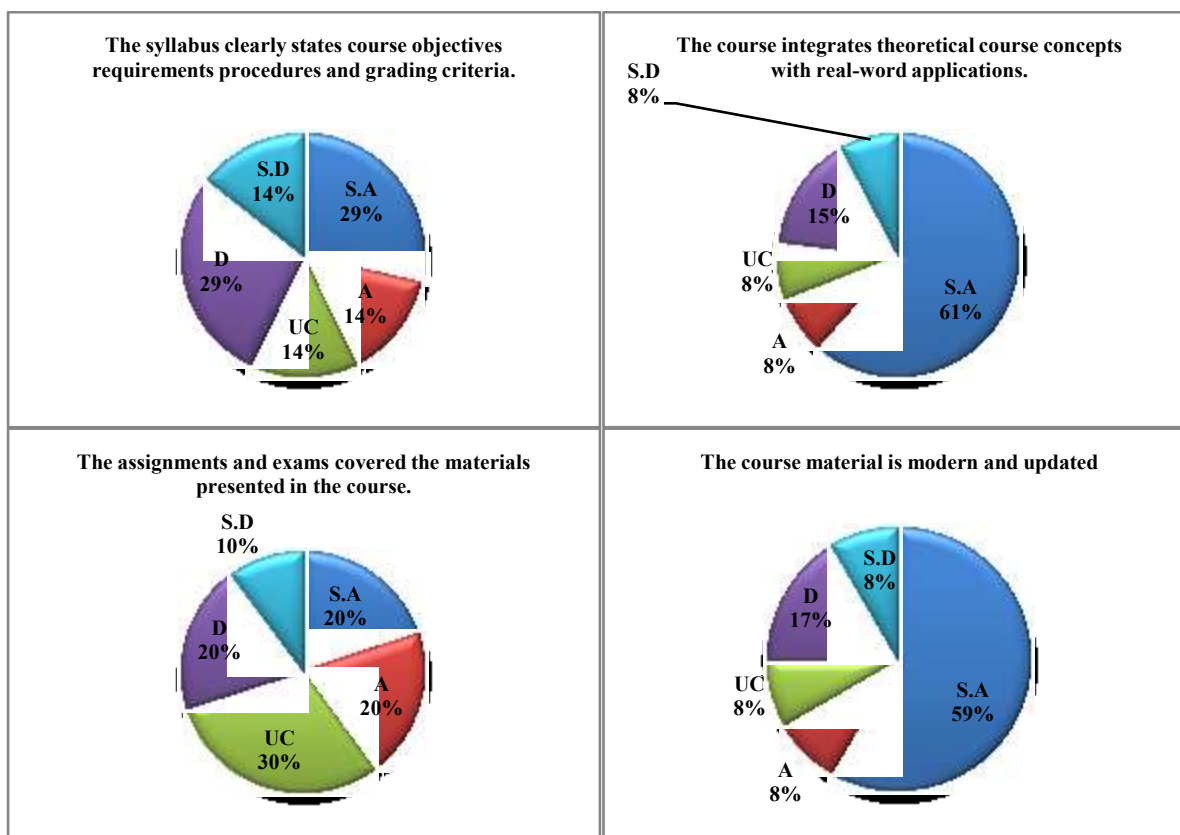


The Instructor was available during the specified officehours and for after class consultations.



The subject matter presented in the course has increased your knowledge of the subject.





General Comments of the Students about this Teacher

Strengths:

- The teacher encourages students' participation.
- The teacher is prepared before delivering the lecture.
- The teacher completes the course.

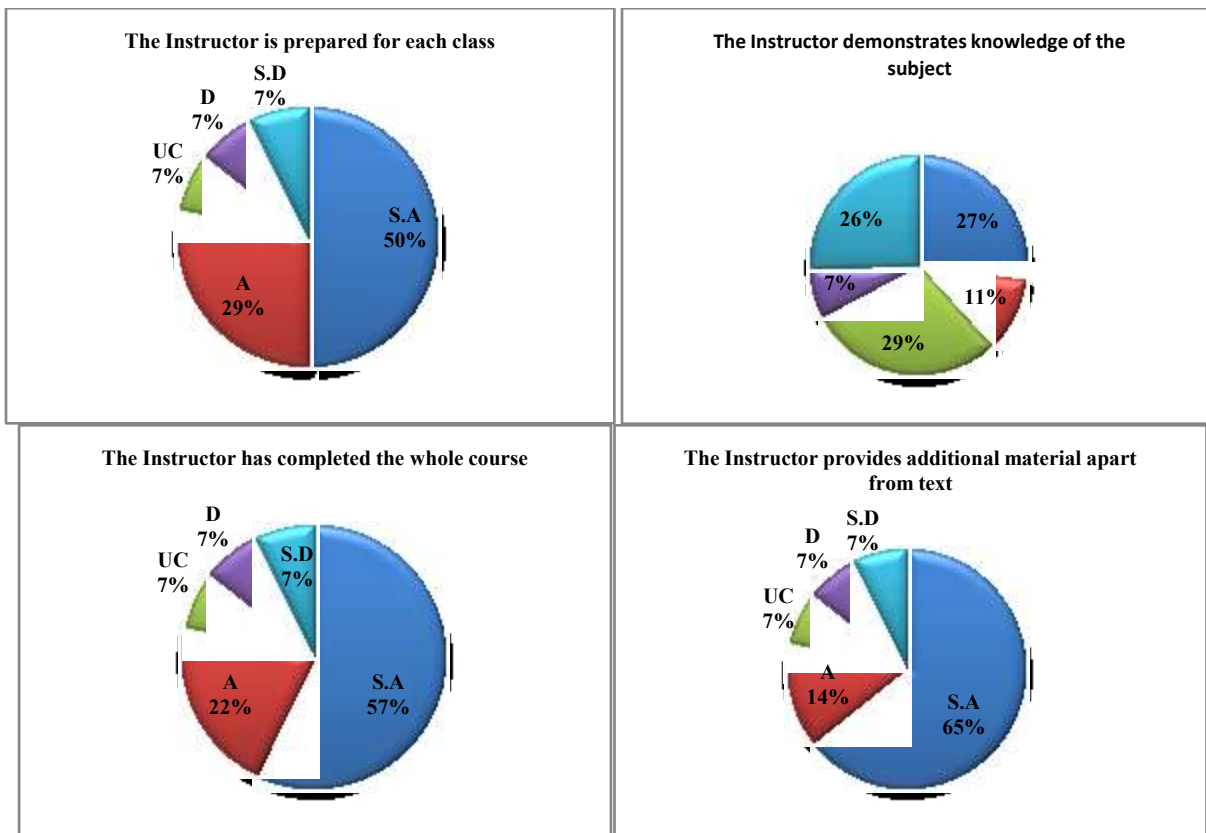
Weaknesses:

- The teacher should follow class timings
- The teacher should be more responsive to the students

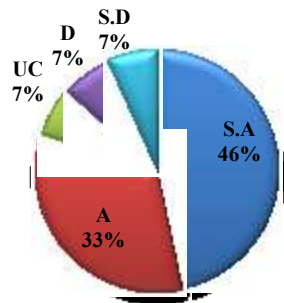
Dr. Nawazish Naveed (CS-542)

The graph shows the detail of evaluation. The graph for “The instructor is prepared for each class”, shows that 50% are strongly agreed, 29% are agreed, 7% are uncertain, 7% disagreed and 7% are strongly disagreed. The graph for “The instructor has completed the whole course”,

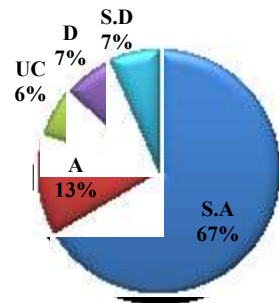
shows that 57% are strongly agreed, 22% are agreed, 7% are uncertain, 7% disagreed and 7% are strongly disagreed. The graph for “The instructor shows respect towards students”, shows that 50% are strongly agreed, 29% are agreed, 7% are uncertain, 7% disagreed and 7% are strongly disagreed. The graph for “The instructor is fair in examination”, shows that 50% are strongly agreed, 29% are agreed, 7% are uncertain, 7% disagreed and 7% are strongly disagreed. The graph for “The instructor arrives on time”, shows that 50% are strongly agreed, 20% are agreed, 10% are uncertain, 10% disagreed and 10% are strongly disagreed. The graph for “The course material is modern and updated”, shows that 57% are strongly agreed, 22% are agreed, 7% are uncertain, 7% disagreed and 7% are strongly disagreed. The graph for “The teacher returns graded scripts in a reasonable amount of time”, shows that 43% are strongly agreed, 36% are agreed, 7% are uncertain, 7% disagreed and 7% are strongly disagreed.



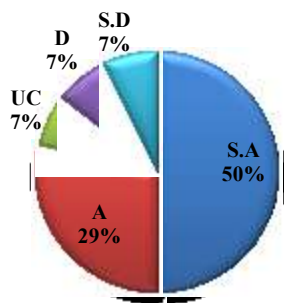
The Instructor gives citations regarding current situations With reference to Pakistani context



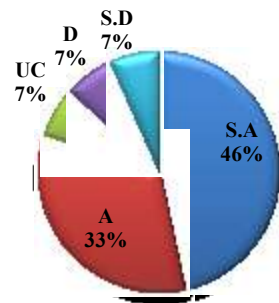
The Instructor communicates the subject matter effectively



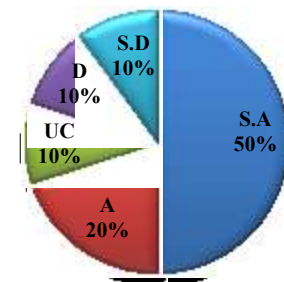
The Instructor shows respect towards students and encourages class participation.



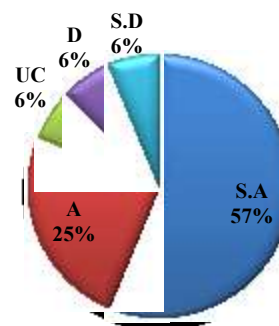
The Instructor maintains an environment that is conducive to learning.



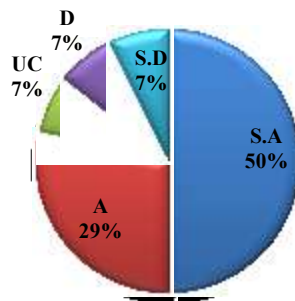
The Instructor arrives on time



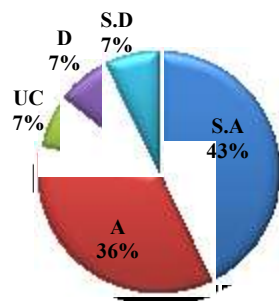
The Instructor leaves on time

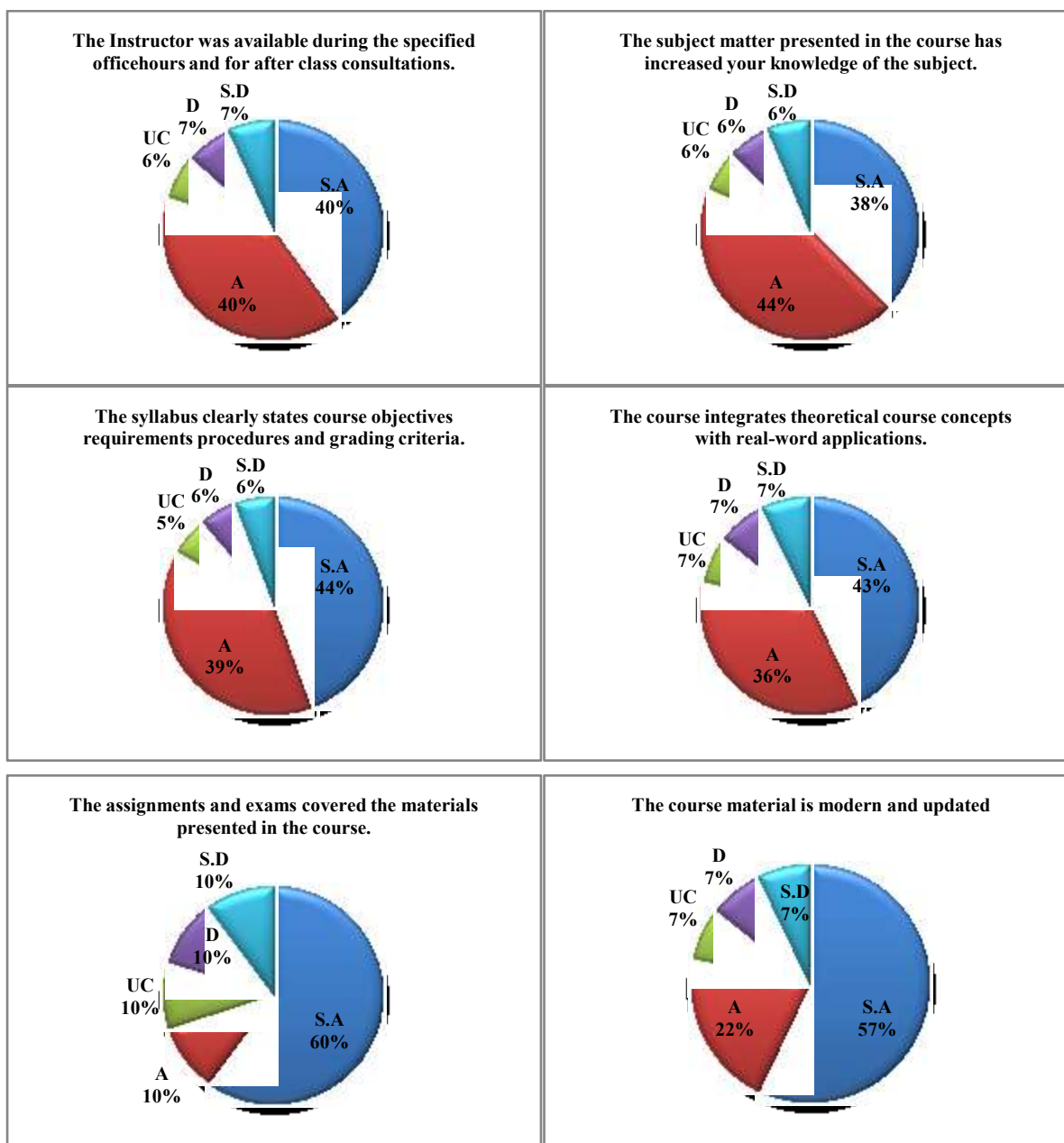


The Instructor is fair in examination



The Instructor returns the graded scripts. etc in a reasonable amount of time.





General Comments of the Students about this Teacher

Strengths:

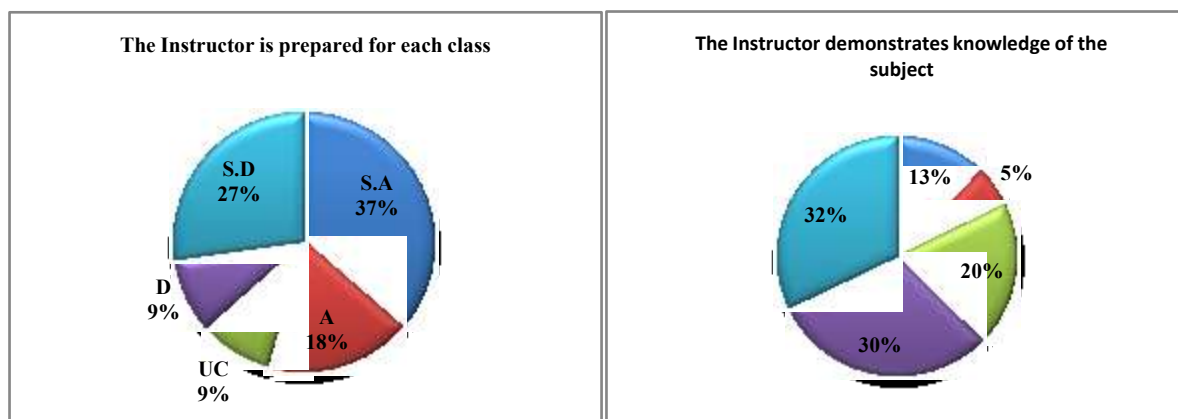
- The teacher is well prepared for lectures.
- The teacher is very punctual
- The teacher is fair in the examination
- The teacher shows Respect towards students

Weaknesses:

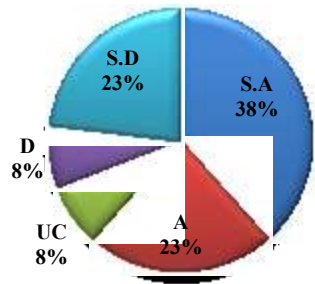
- The teacher should include modern concepts in her lectures to increase student knowledge.
- Assignments and exams should cover the material presented in the course.

Rubina Ghazal (CS-452)

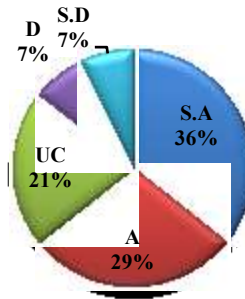
The graph shows the detail of evaluation. The graph for “The instructor is prepared for each class”, shows that 37% are strongly agreed, 18% are agreed, 9% are uncertain, 9% disagreed and 27% are strongly disagreed. The graph for “The instructor has completed the whole course”, shows that 38% are strongly agreed, 23% are agreed, 8% are uncertain, 8% disagreed and 23% are strongly disagreed. The graph for “The instructor shows respect towards students”, shows that 42% are strongly agreed, 34% are agreed, 8% are uncertain, 8% disagreed and 8% are strongly disagreed. The graph for “The instructor is fair in examination”, shows that 38% are strongly agreed, 31% are agreed, 8% are uncertain, 8% disagreed and 15% are strongly disagreed. The graph for “The instructor arrives on time”, shows that 45% are strongly agreed, 22% are agreed, 11% are uncertain, 11% disagreed and 11% are strongly disagreed. The graph for “The course material is modern and updated”, shows that 37% are strongly agreed, 36% are agreed, 9% are uncertain, 9% disagreed and 9% are strongly disagreed. The graph for “The teacher returns graded scripts in a reasonable amount of time”, shows that 18% are strongly agreed, 46% are agreed, 18% are uncertain, 9% disagreed and 9% are strongly disagreed.



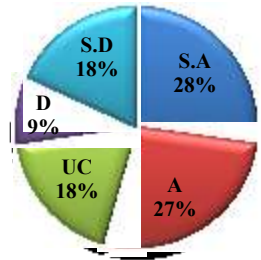
The Instructor has completed the whole course



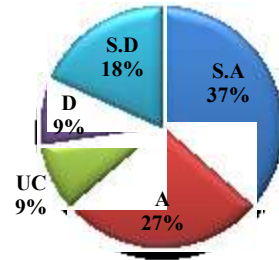
The Instructor provides additional material apart from text



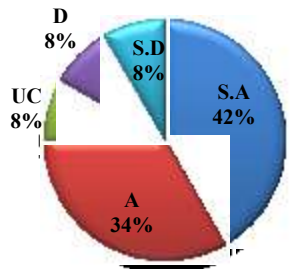
The Instructor gives citations regarding current situations With reference to Pakistani context



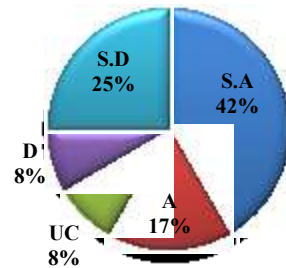
The Instructor communicates the subject matter effectively



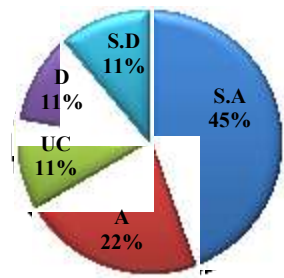
The Instructor shows respect towards students and encourages class participation.



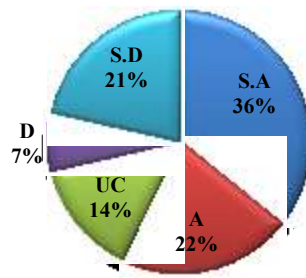
The Instructor maintains an environment that is conducive to learning.



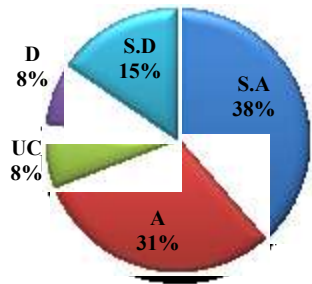
The Instructor arrives on time



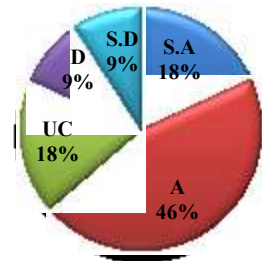
The Instructor leaves on time



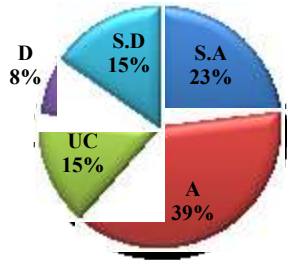
The Instructor is fair in examination



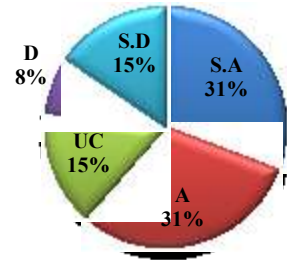
The Instructor returns the graded scripts, etc in a reasonable amount of time.



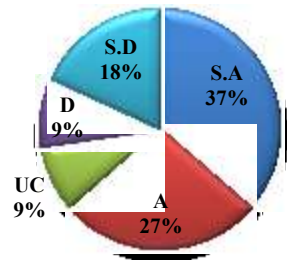
The Instructor was available during the specified officehours and for after class consultations.



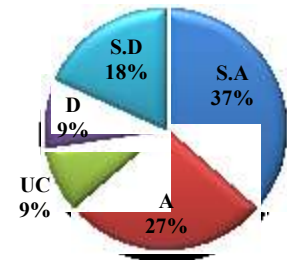
The subject matter presented in the course has increased your knowledge of the subject.



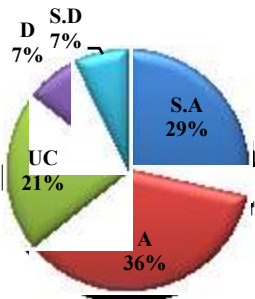
The syllabus clearly states course objectives requirements procedures and grading criteria.



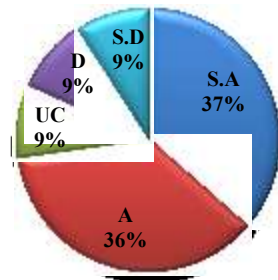
The course integrates theoretical course concepts with real-word applications.



The assignments and exams covered the materials presented in the course.



The course material is modern and updated



General Comments of the Students about this Teacher

Strengths:

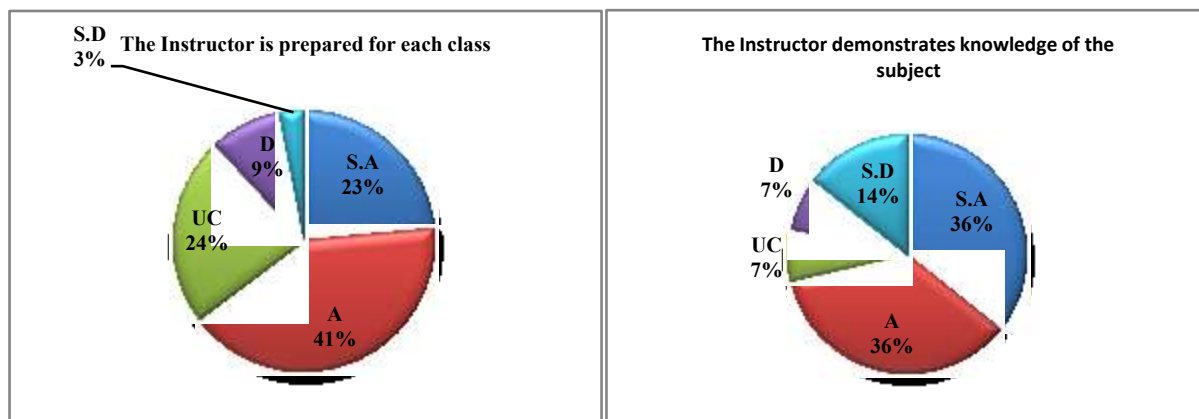
- The teacher encourages students' participation.
- The teacher is prepared before delivering the lecture.

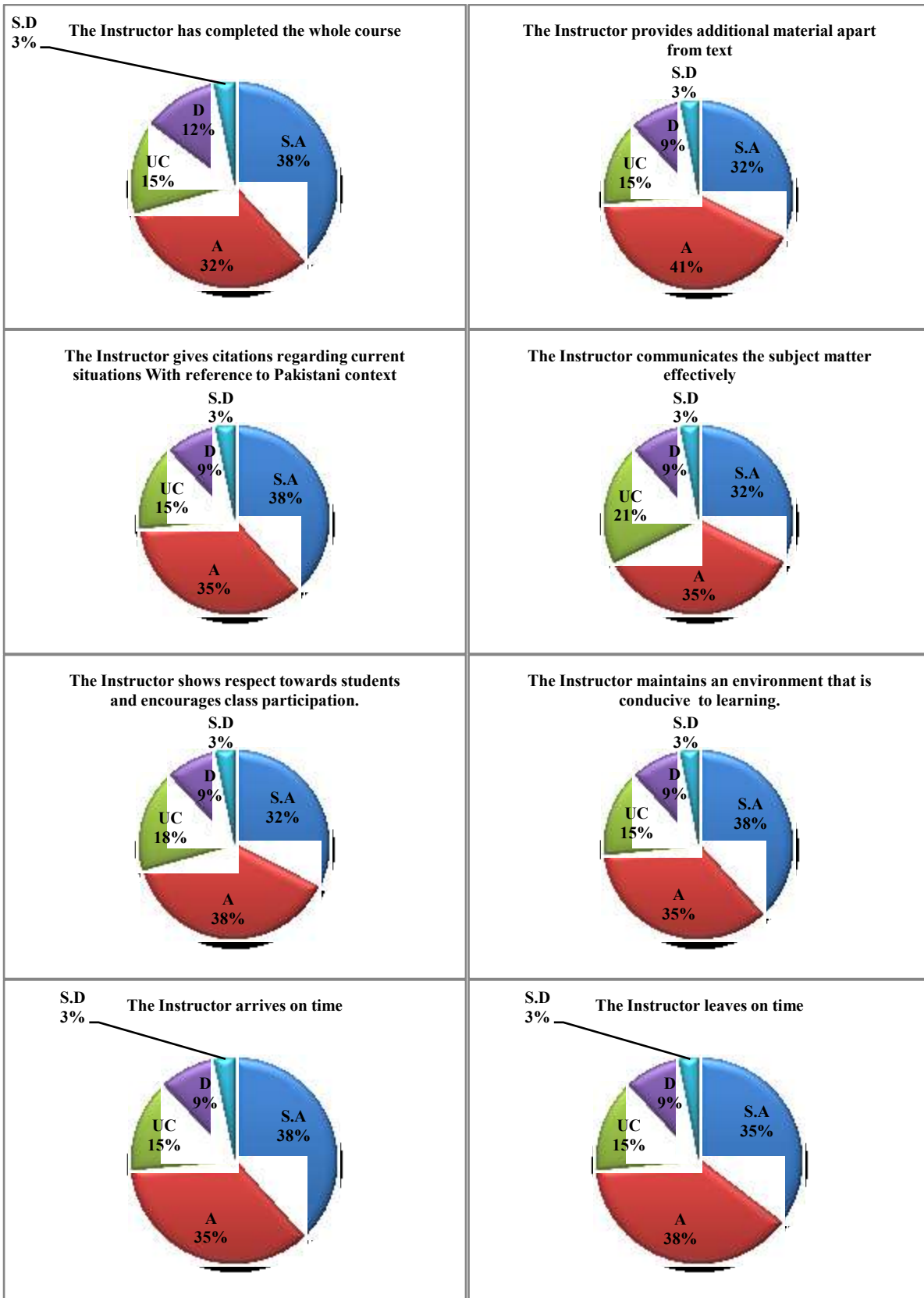
Weaknesses:

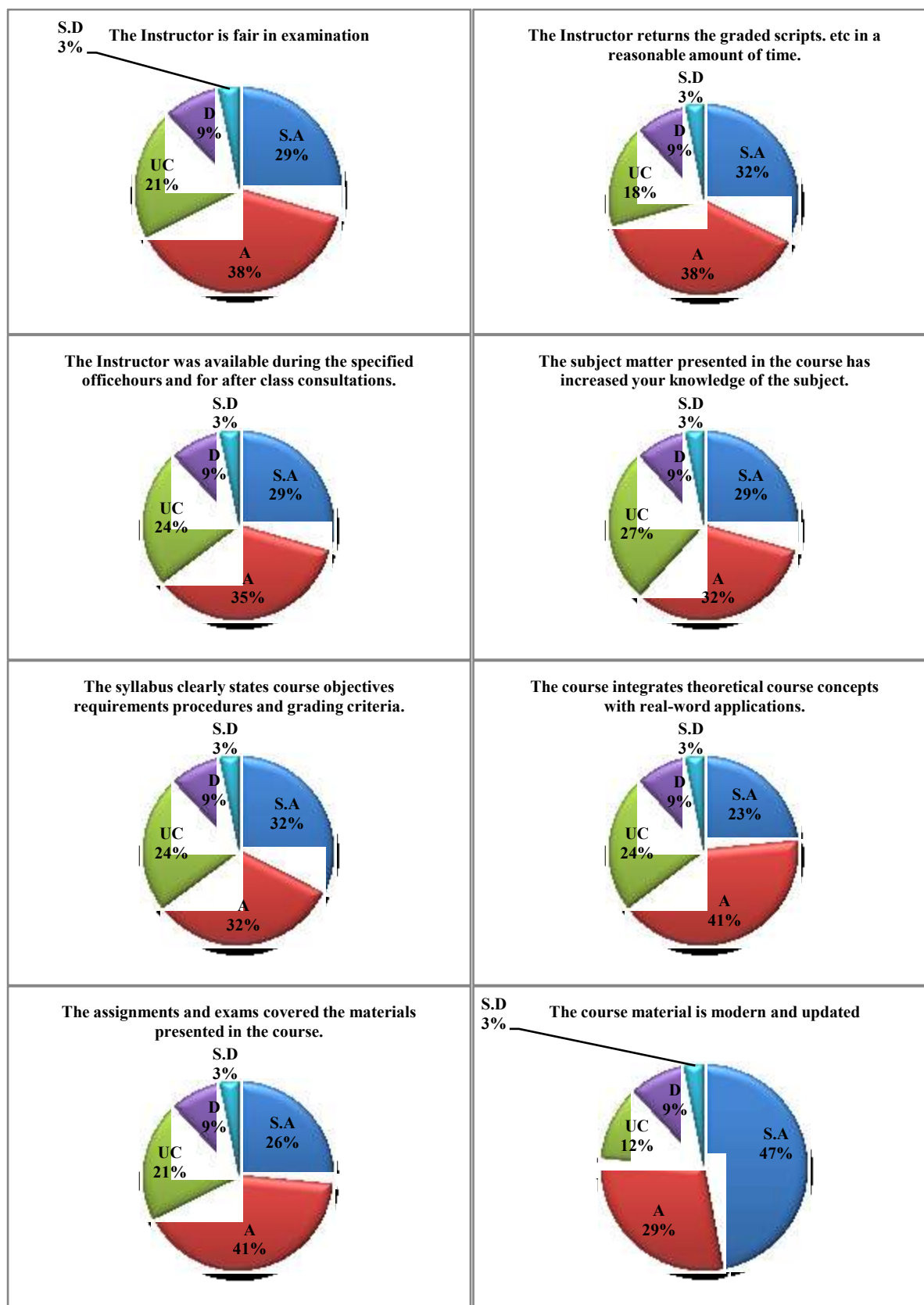
- The teacher does not follow class timings.
- The teacher should include modern concepts in her lectures to increase student knowledge.
- Assignments and exams should cover the material presented in the course.

Mr. Sheeraz Akram (CS-542)

The graph shows the detail of evaluation. The graph for “The instructor is prepared for each class”, shows that 23% are strongly agreed, 41% are agreed, 24% are uncertain, 9% disagreed and 3% are strongly disagreed. The graph for “The instructor has completed the whole course”, shows that 38% are strongly agreed, 32% are agreed, 15% are uncertain, 12% disagreed and 3% are strongly disagreed. The graph for “The instructor shows respect towards students”, shows that 32% are strongly agreed, 38% are agreed, 18% are uncertain, 9% disagreed and 3% are strongly disagreed. The graph for “The instructor is fair in examination”, shows that 29% are strongly agreed, 38% are agreed, 21% are uncertain, 9% disagreed and 3% are strongly disagreed. The graph for “The instructor arrives on time”, shows that 38% are strongly agreed, 35% are agreed, 15% are uncertain, 9% disagreed and 3% are strongly disagreed. The graph for “The course material is modern and updated”, shows that 47% are strongly agreed, 29% are agreed, 12% are uncertain, 9% disagreed and 3% are strongly disagreed.







General Comments of the Students about this Teacher

Strengths:

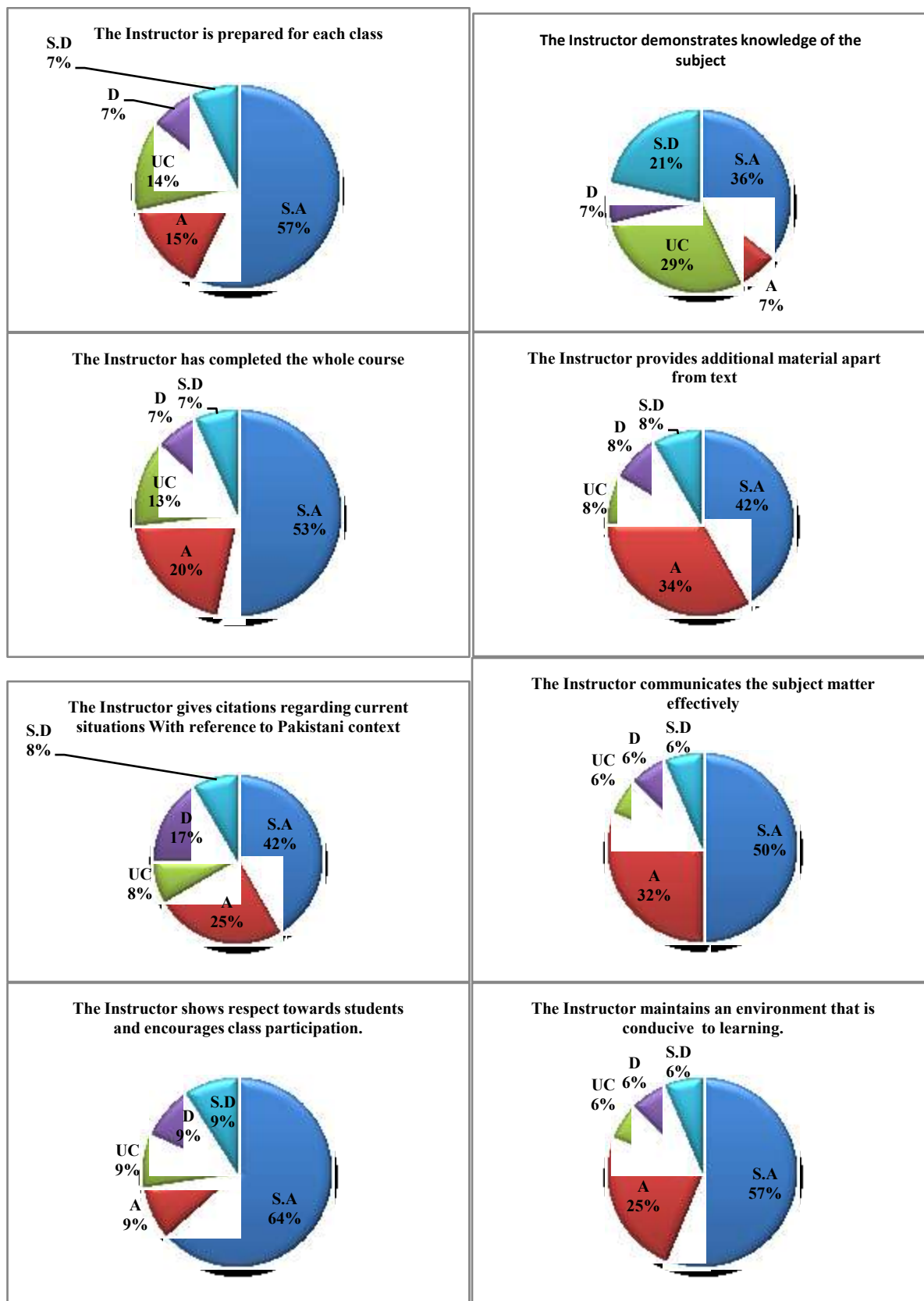
- The teacher is very punctual in classes
- The teacher is fair in examinations
- The teacher is well prepared for the lecture
- The teacher has good communication.

.Weaknesses:

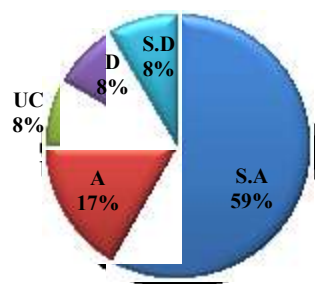
- The teacher should be available to students for extra help.
- Course material should be more updated

Muhamamd Shabbir Hassan (CS-323)

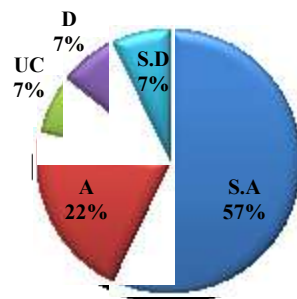
The graph shows the detail of evaluation. The graph for “The instructor is prepared for each class”, shows that 57% are strongly agreed, 15% are agreed, 14% are uncertain, 7% disagreed and 7% are strongly disagreed. The graph for “The instructor has completed the whole course”, shows that 53% are strongly agreed, 20% are agreed, 13% are uncertain, 7% disagreed and 7% are strongly disagreed. The graph for “The instructor shows respect towards students”, shows that 64% are strongly agreed, 9% are agreed, 9% are uncertain, 9% disagreed and 9% are strongly disagreed. The graph for “The instructor is fair in examination”, shows that 65% are strongly agreed, 14% are agreed, 7% are uncertain, 7% disagreed and 7% are strongly disagreed. The graph for “The instructor arrives on time”, shows that 59% are strongly agreed, 17% are agreed, 8% are uncertain, 8% disagreed and 8% are strongly disagreed. The graph for “The course material is modern and updated”, shows that 50% are strongly agreed, 22% are agreed, 14% are uncertain, 7% disagreed and 7% are strongly disagreed. The graph for “The teacher returns graded scripts in a reasonable amount of time”, shows that 54% are strongly agreed, 23% are agreed, 7% are uncertain, 8% disagreed and 8% are strongly disagreed.



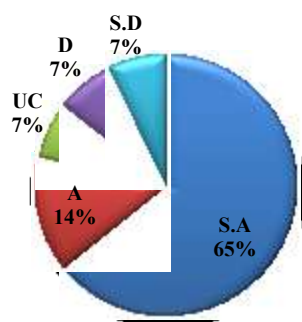
The Instructor arrives on time



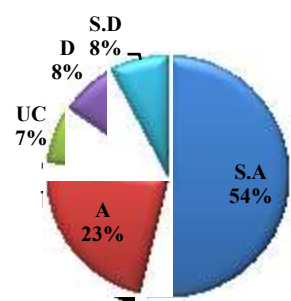
The Instructor leaves on time



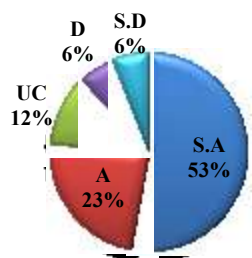
The Instructor is fair in examination



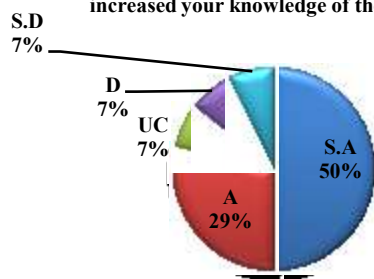
The Instructor returns the graded scripts, etc in a reasonable amount of time.



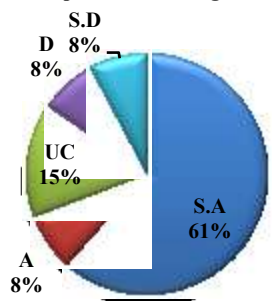
The Instructor was available during the specified officehours and for after class consultations.



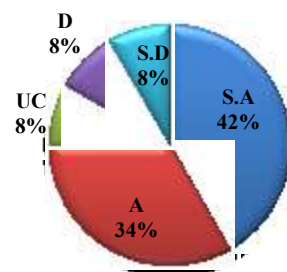
The subject matter presented in the course has increased your knowledge of the subject.

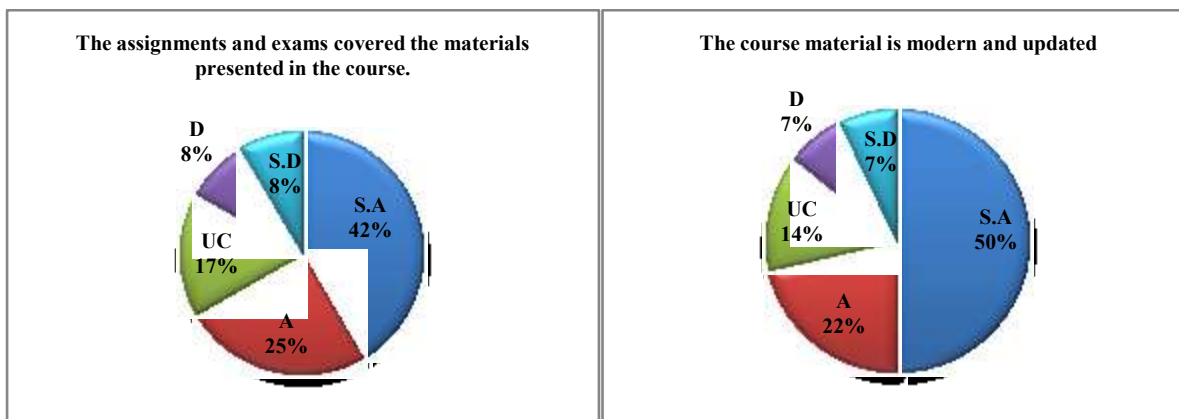


The syllabus clearly states course objectives requirements procedures and grading criteria.



The course integrates theoretical course concepts with real-word applications.





General Comments of the Students about this Teacher

Strengths:

- The teacher is very punctual
- The teacher is prepared before delivering the lecture.
- The teacher is fair in marking.

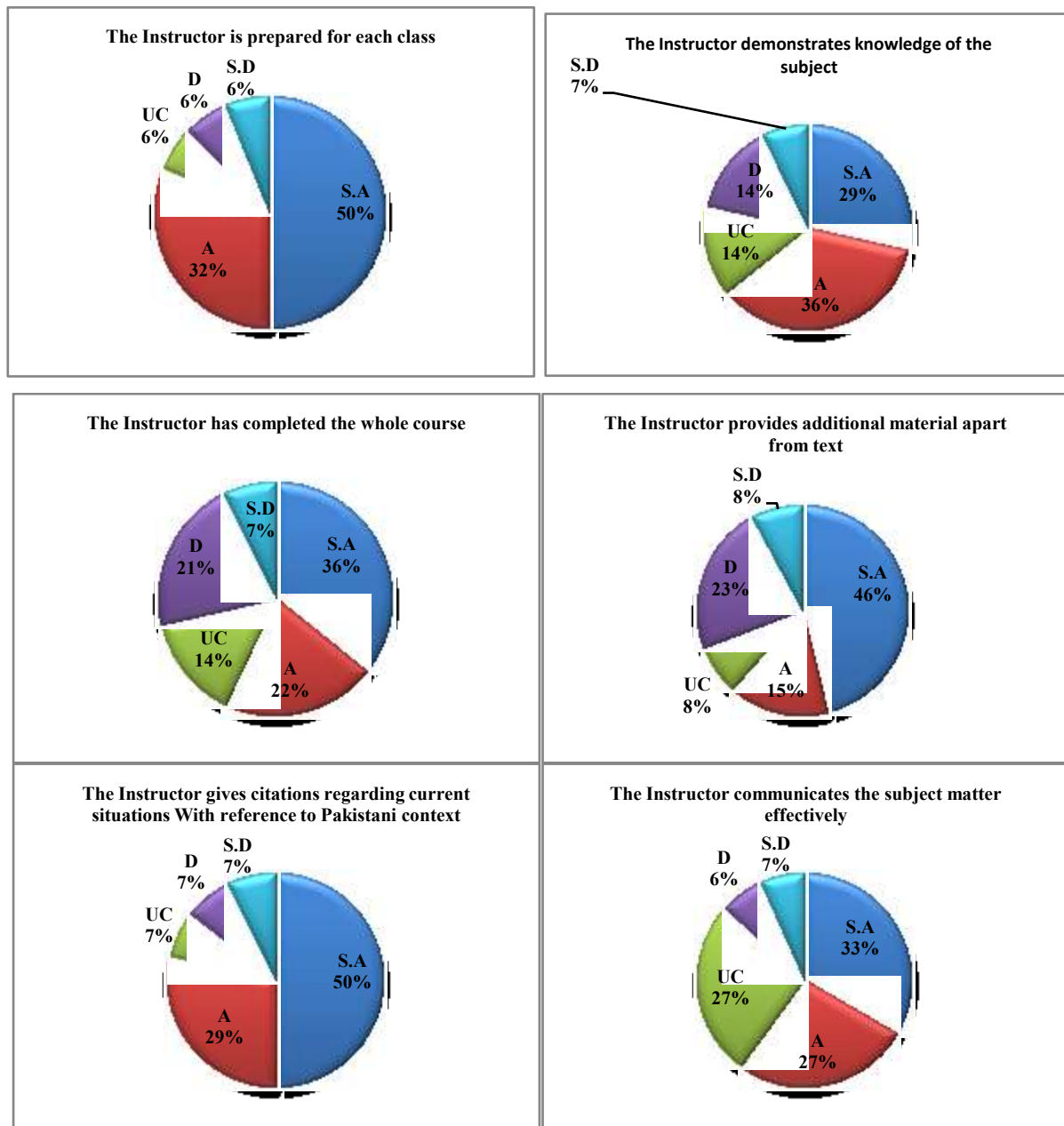
Weaknesses:

- The teacher should include modern concepts in his lectures to increase student knowledge.
- Assignments and exams should be relevant to the course.

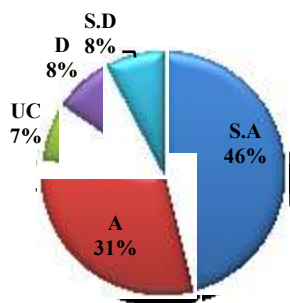
Shahzad Saqib (CS-430)

The graph shows the detail of evaluation. The graph for “The instructor is prepared for each class”, shows that 50% are strongly agreed, 32% are agreed, 6% are uncertain, 6% disagreed and 6% are strongly disagreed. The graph for “The instructor has completed the whole course”, shows that 36% are strongly agreed, 22% are agreed, 14% are uncertain, 21% disagreed and 7% are strongly disagreed. The graph for “The instructor shows respect towards students”, shows that 46% are strongly agreed, 31% are agreed, 7% are uncertain, 8% disagreed and 8% are strongly disagreed. The graph for “The instructor is fair in examination”, shows that 42% are strongly agreed, 34% are agreed, 8% are uncertain, 8% disagreed and 8% are strongly disagreed.

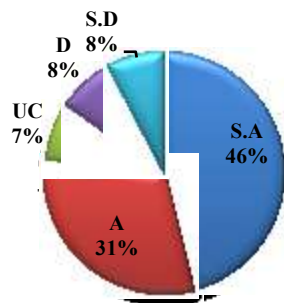
The graph for “The instructor arrives on time”, shows that 53% are strongly agreed, 29% are agreed, 6% are uncertain, 6% disagreed and 6% are strongly disagreed. The graph for “The course material is modern and updated”, shows that 50% are strongly agreed, 25% are agreed, 9% are uncertain, 8% disagreed and 8% are strongly disagreed. The graph for “The teacher returns graded scripts in a reasonable amount of time”, shows that 57% are strongly agreed, 22% are agreed, 7% are uncertain, 7% disagreed and 7% are strongly disagreed.



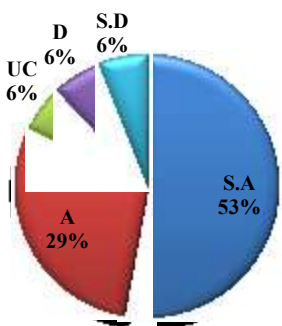
The Instructor shows respect towards students and encourages class participation.



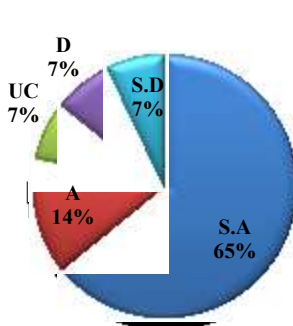
The Instructor maintains an environment that is conducive to learning.



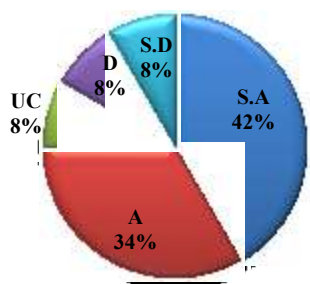
The Instructor arrives on time



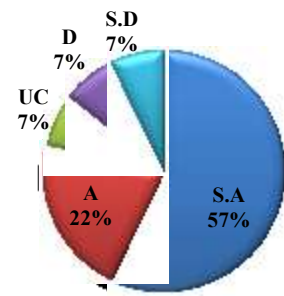
The Instructor leaves on time



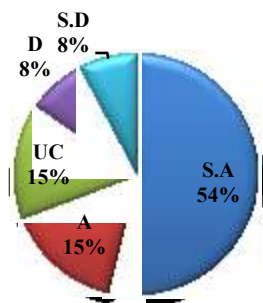
The Instructor is fair in examination



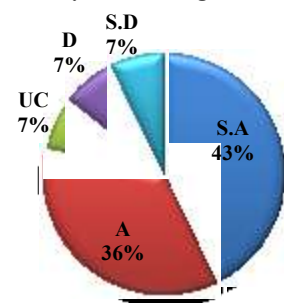
The Instructor returns the graded scripts. etc in a reasonable amount of time.

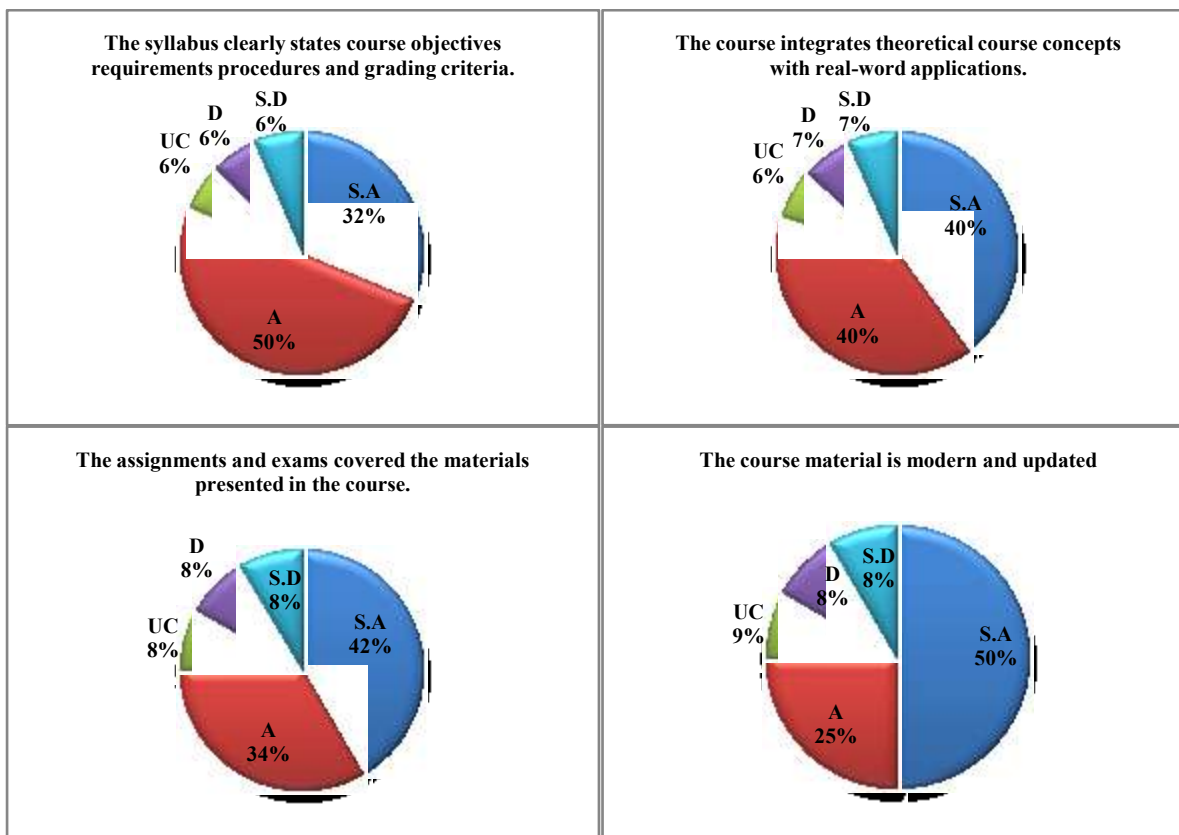


The Instructor was available during the specified officehours and for after class consultations.



The subject matter presented in the course has increased your knowledge of the subject.





General Comments of the Students about this Teacher

Strengths:

- The teacher encourages students' participation and gives respect to students.
- The teacher is punctual
- The teacher is fair in marking.

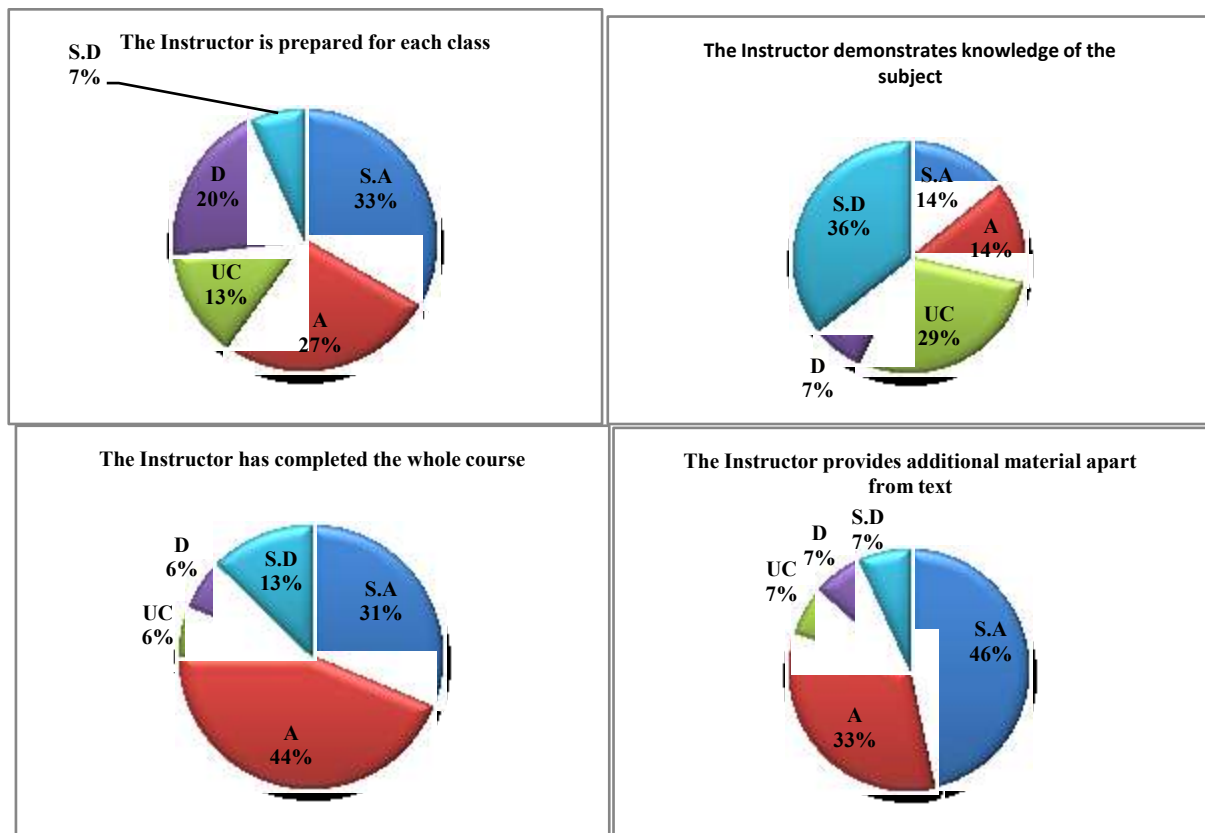
Weaknesses:

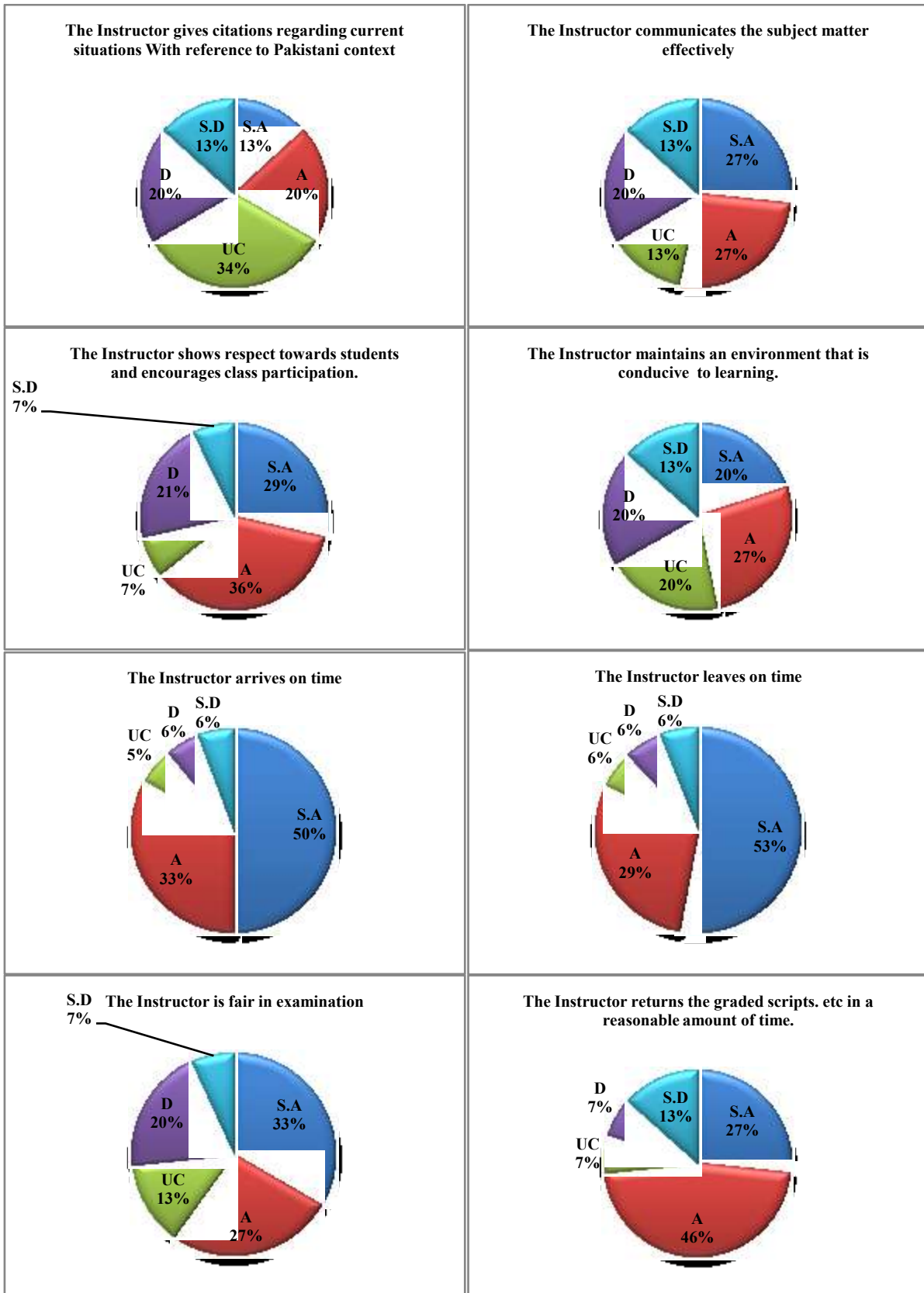
- The teacher should include modern concepts in his lectures to increase student knowledge.
- The teacher has not covered the syllabus completely.

Dr. Muhammad Shaheen (CS-582)

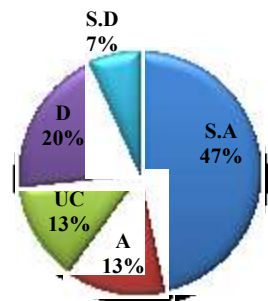
The graph shows the details of the evaluation. The instructor has completed the whole course. The graph "The instructor has completed the whole course" indicates this. (31% strongly agreed, 44% agreed, 6% are uncertain, 6% disagreed and 13% strongly disagree). The instructor is punctual as reflected in the graph "The instructor arrives on time" (50% strongly agreed, 33%

agreed, 6% are uncertain, 6% disagree and 6% strongly disagree) and the graph “ The instructor leaves on time” (53% strongly agreed, 29% agreed, 6% are uncertain, 6% disagree and 6% strongly disagree). The instructor returns graded material on time. The graph “The instructor returns graded scripts in a reasonable amount of time” shows this. (27% strongly agreed, 46% agreed, 7% are uncertain, 7% disagreed and 13% strongly disagree). The instructor also provides additional study material apart from the text to students. The graph “The instructor provides additional material apart from text reflects this. (46% strongly agreed, 33% agreed, 7% are uncertain, 7% disagreed and 7% strongly disagree). The instructor show respects towards the students as shown in the graph “The instructor shows respect towards students and encourages class participation”. (29% strongly agreed, 36% agreed, 7% are uncertain, 21% disagreed and 7% strongly disagree).

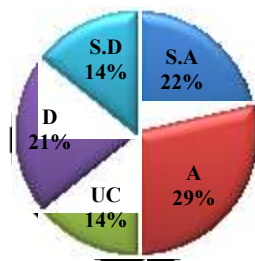




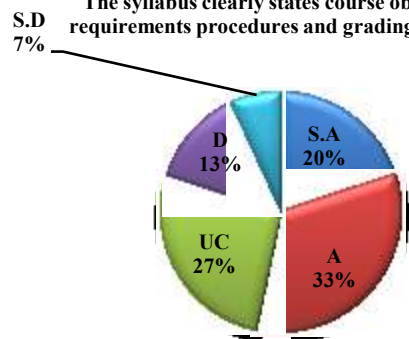
The Instructor was available during the specified officehours and for after class consultations.



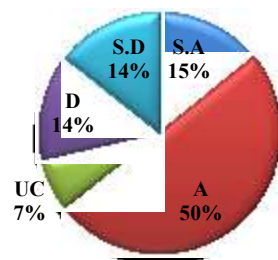
The subject matter presented in the course has increased your knowledge of the subject.



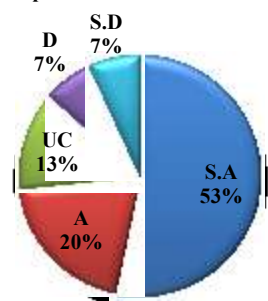
The syllabus clearly states course objectives requirements procedures and grading criteria.



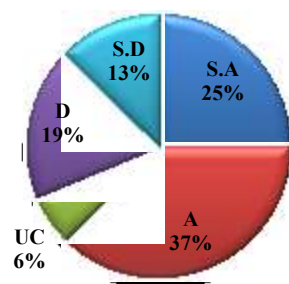
The course integrates theoretical course concepts with real-word applications.



The assignments and exams covered the materials presented in the course.



The course material is modern and updated



General Comments of the Students about the Teacher

Strengths:

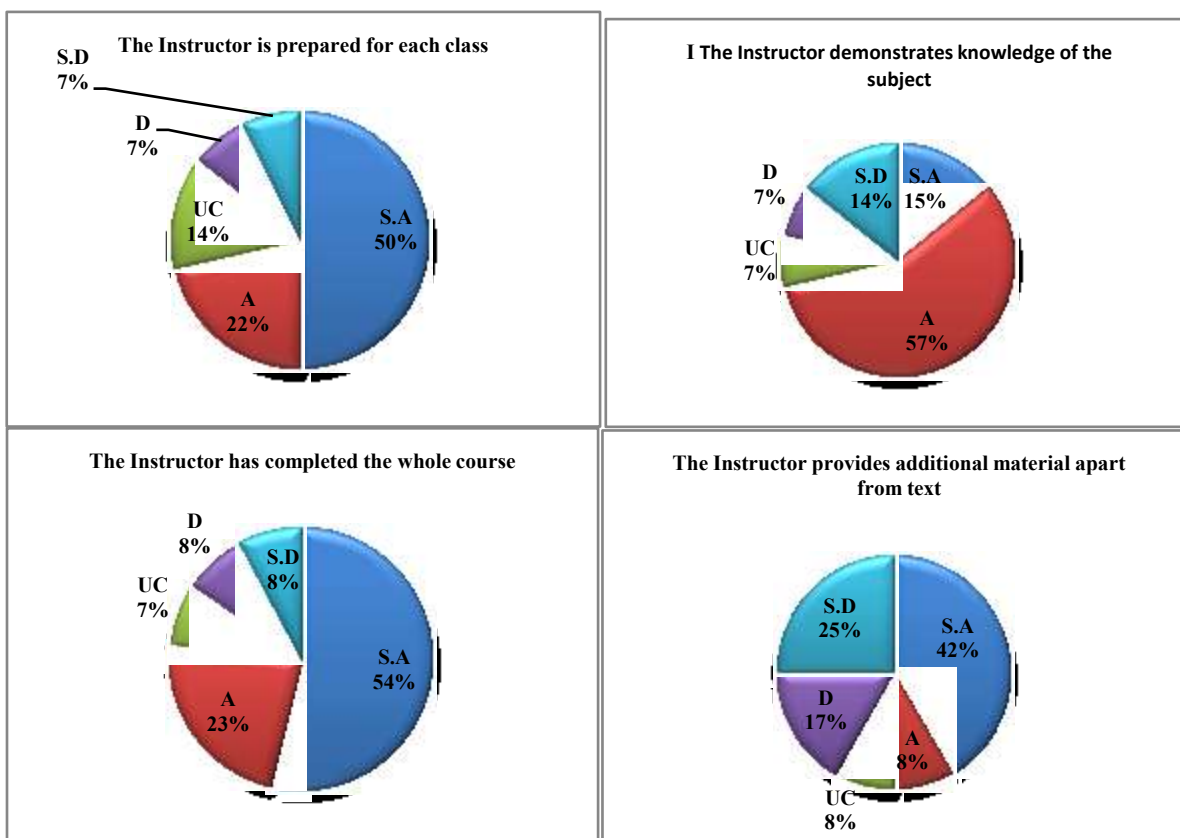
- Punctual in class and returns graded material on time
- Provides additional material apart from text
- Respects students

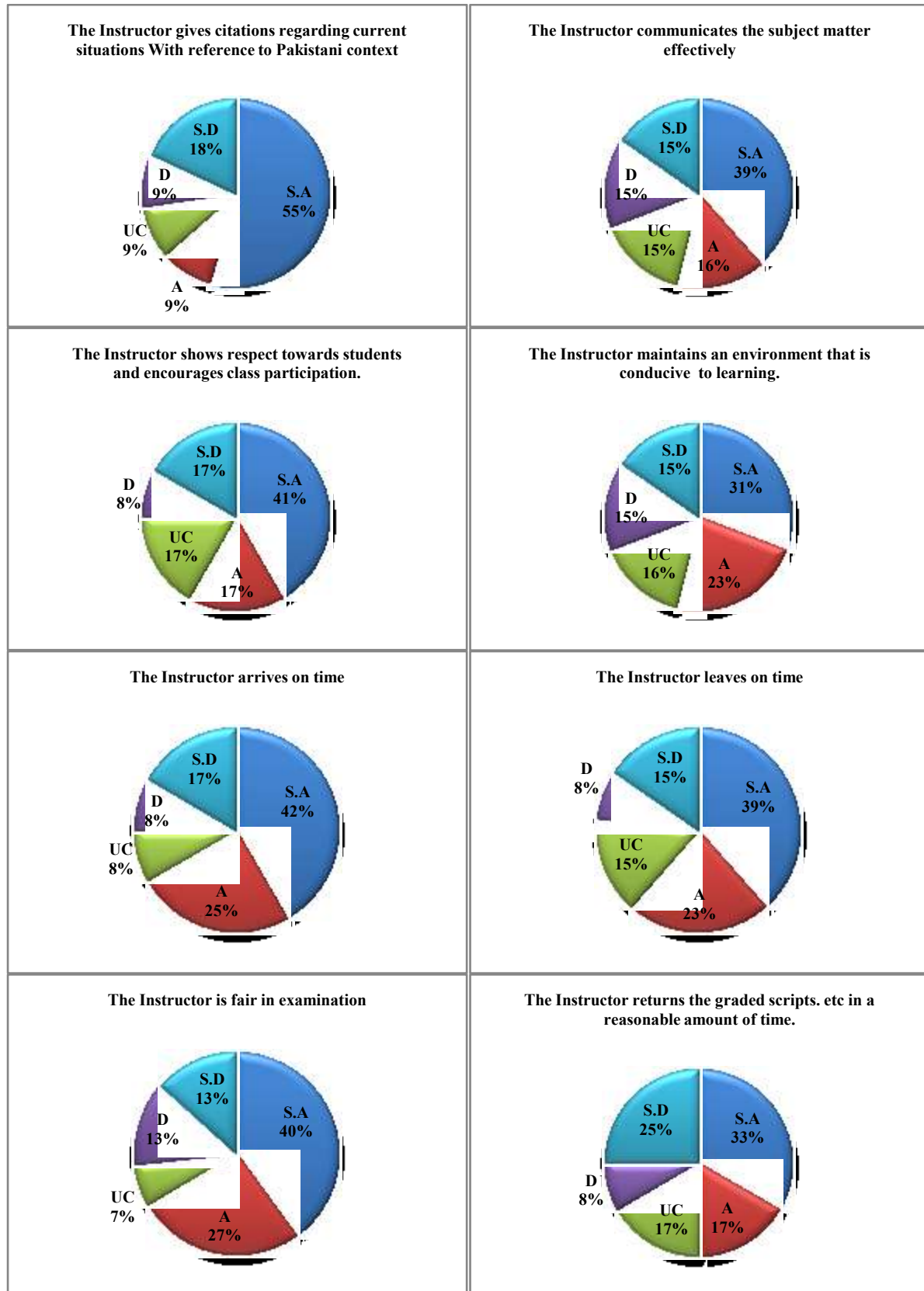
Weaknesses:

- The syllabus needs improvement
- More practical assignments required

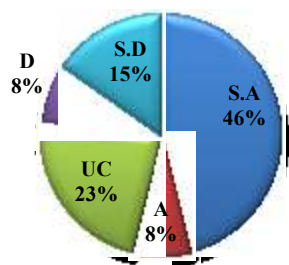
Naeem ur Rehman (CS-432)

The graph for “The instructor is prepared for each class”, shows that 50% are strongly agreed, 23% are agreed, 14% are uncertain, 7% disagreed and 7% are strongly disagreed. The graph for “The Instructor provides additional material apart from text” , shows that 42% are strongly agreed, 8% are agreed, 15% are uncertain, 15% disagreed and 15% are strongly disagreed. The graph for “The Instructor maintains an environment that is conducive to learning.” , shows that 31% are strongly agreed, 23% are agreed, 15% are uncertain, 15% disagreed and 8% are strongly disagreed. The graph for “The subject matter presented in the course has increased your knowledge of the subject” shows that 50% are strongly agreed, 12% are agreed, 19% are uncertain, 6% disagreed and 13% are strongly disagreed.

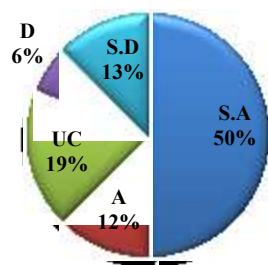




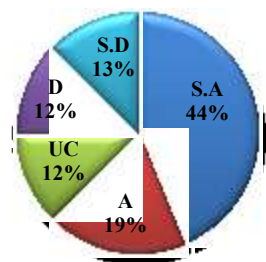
The Instructor was available during the specified officehours and for after class consultations.



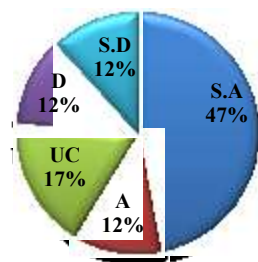
The subject matter presented in the course has increased your knowledge of the subject.



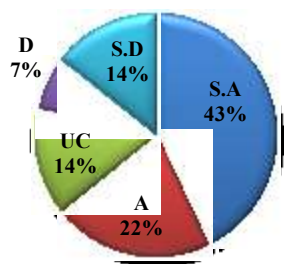
The syllabus clearly states course objectives requirements procedures and grading criteria.



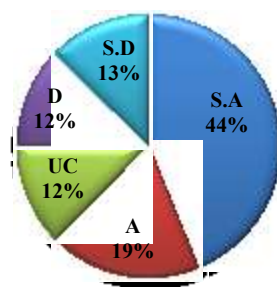
The course integrates theoretical course concepts with real-word applications.



The assignments and exams covered the materials presented in the course.



The course material is modern and updated



General Comments of the Students about the Teacher

Strengths:

- Comprehensive course material
- Well presented
- Good Teaching methods

Weakness:

- The instructor should be more responsive to students for effectiveness.

Student Course Evaluation

The results of course evaluations of BS (CS) degree program are also summarized. The teacher who taught CS-400 has scored 83%, the teacher for course CS-323 has scored 76%, the teacher for CS-301 has scored 80%, the teacher for CS-301 has scored 74%, the teacher for CS-552 has scored 77%, the teacher for CS-335 has scored 78%, the teacher for CS-335 has scored 78%, the teacher for CS-443 has scored 78%, the teacher who taught CS-335 has scored 80%, the teacher for course CS-577 has scored 79%, the teacher for CS-323 has scored 79%, the teacher for CS-582 has scored 76%, the teacher for CS-443 has scored 80%, the teacher for CS-552 has scored 76%, the teacher for CS-582 has scored 74%, the teacher for CS-542 has scored 77%, the teacher for CS-575 has scored 78%, the teacher who taught MGT-511 has scored 78%, the teacher for course CS-565 has scored 80%, the teacher for CS-323 has scored 79%, the teacher for CS-565 has scored 79%, the teacher for CS-335 has scored 76%, the teacher for CS-443 has scored 78%, the teacher for CS-335 has scored 79%, the teacher for CS-443 has scored 70%, the teacher for CS-452 has scored 74%, the teacher for CS-542 has scored 74%, the teacher who taught CS-452 has scored 72%, the teacher for course CS-542 has scored 84%, the teacher for CS-600 has scored 70%, the teacher for CS-323 has scored 75%, the teacher for CS-423 has scored 78%, the teacher for CS-699 has scored 72%, the teacher for CS-400 has scored 73%, the teacher for CS-400 has scored 83%, the teacher for CS-582 has scored 81%, the teacher for CS-421 has scored 70%, the teacher who taught MGT-520 has scored 73%, the teacher for course CS-582 has scored 70%, the teacher for CS-430 has scored 75%, the teacher for CS-575 has scored 76%, the teacher for CS-632 has scored 77%, the teacher for CS-400 has scored 78%, the teacher for CS-632 has scored 78%, the teacher for CS-400 has scored 76%, the teacher for CS-582 has scored 83%, the teacher for CS-552 has scored 77%, the teacher who taught CS-575 has scored 76%, the teacher for course CS-536 has scored 74%, the teacher for CS-432 has scored 75%, the teacher for CS-452 has scored 76%, the teacher for CS-543 has scored 79%, the teacher for CS-536 has scored 73%, the teacher for CS-423 has scored 79%, the teacher for CS-582 has scored 78%, the teacher for CS-432 has scored 77%, the teacher for CS-423 has scored 72%, and then teacher for CS-632 has scored 77%.

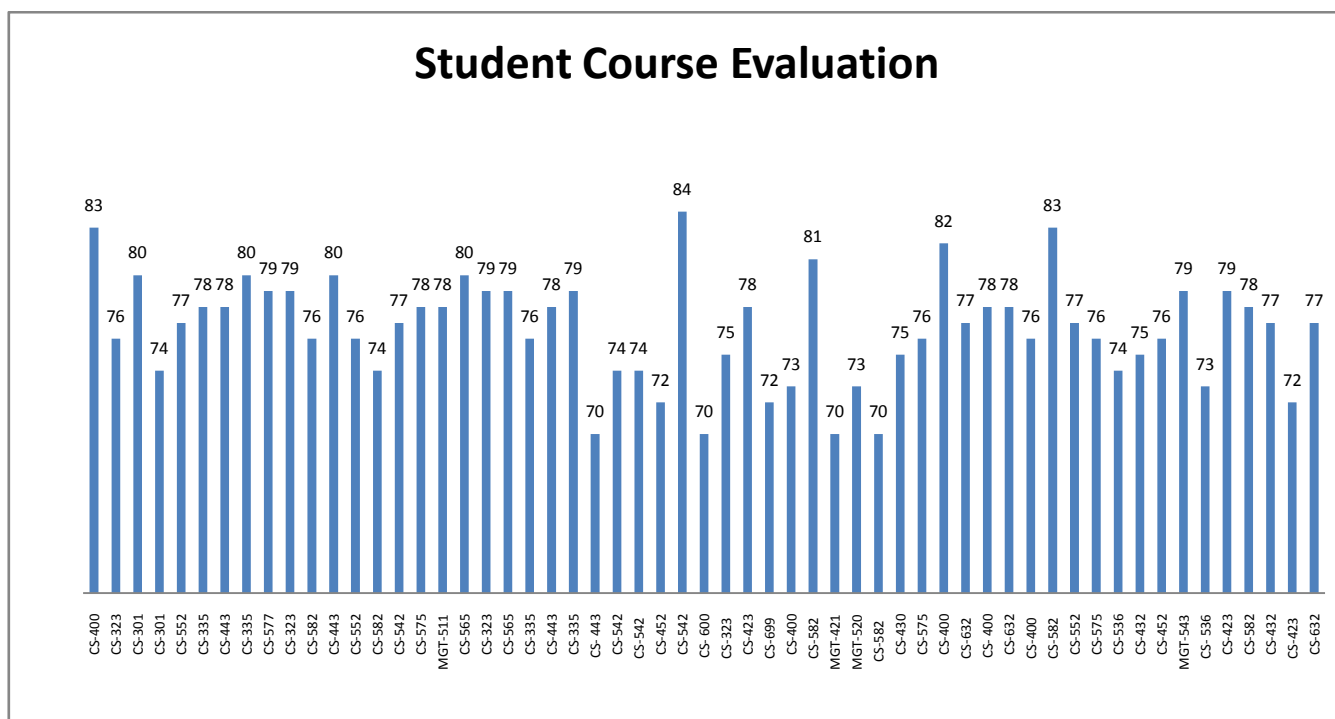
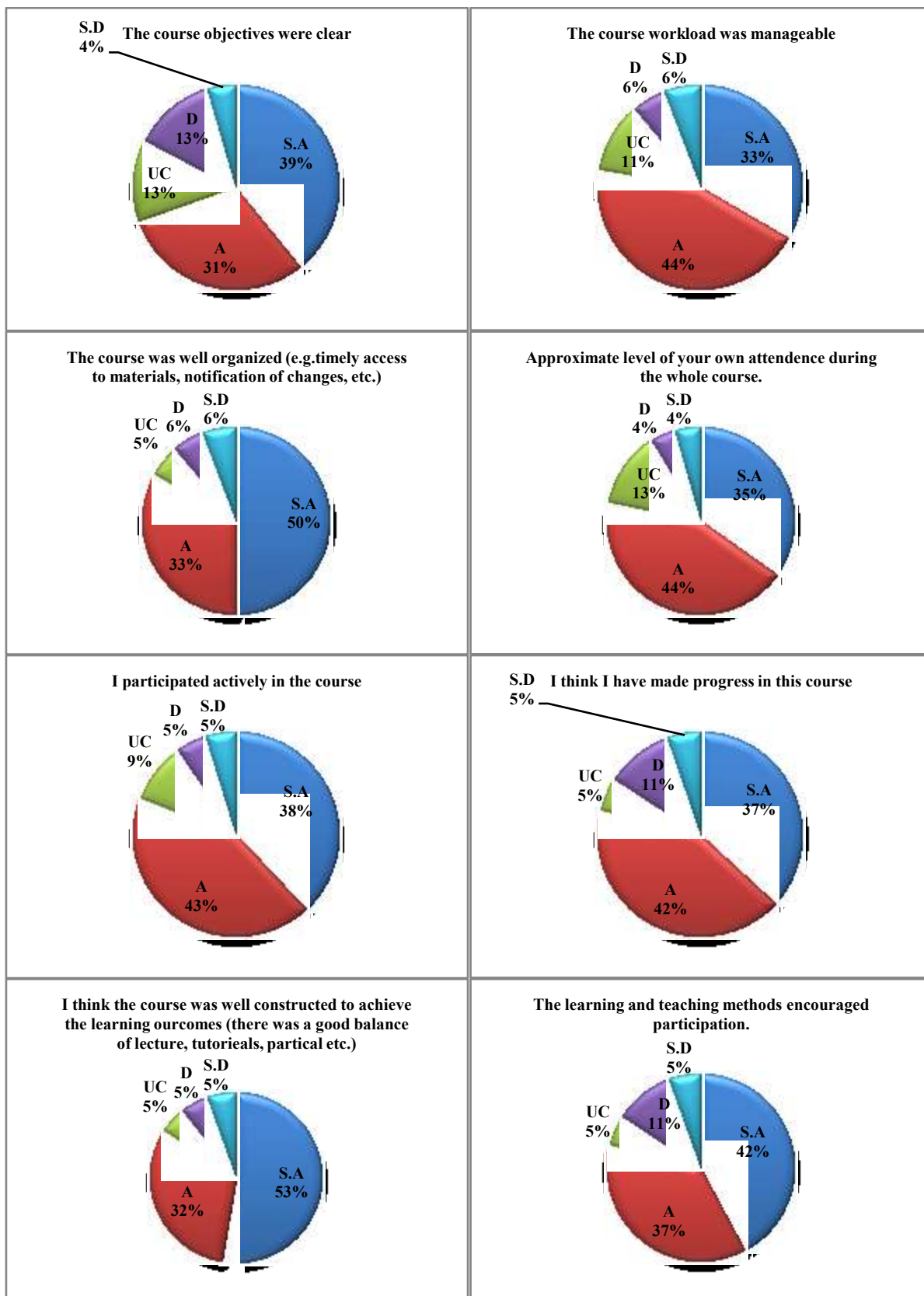


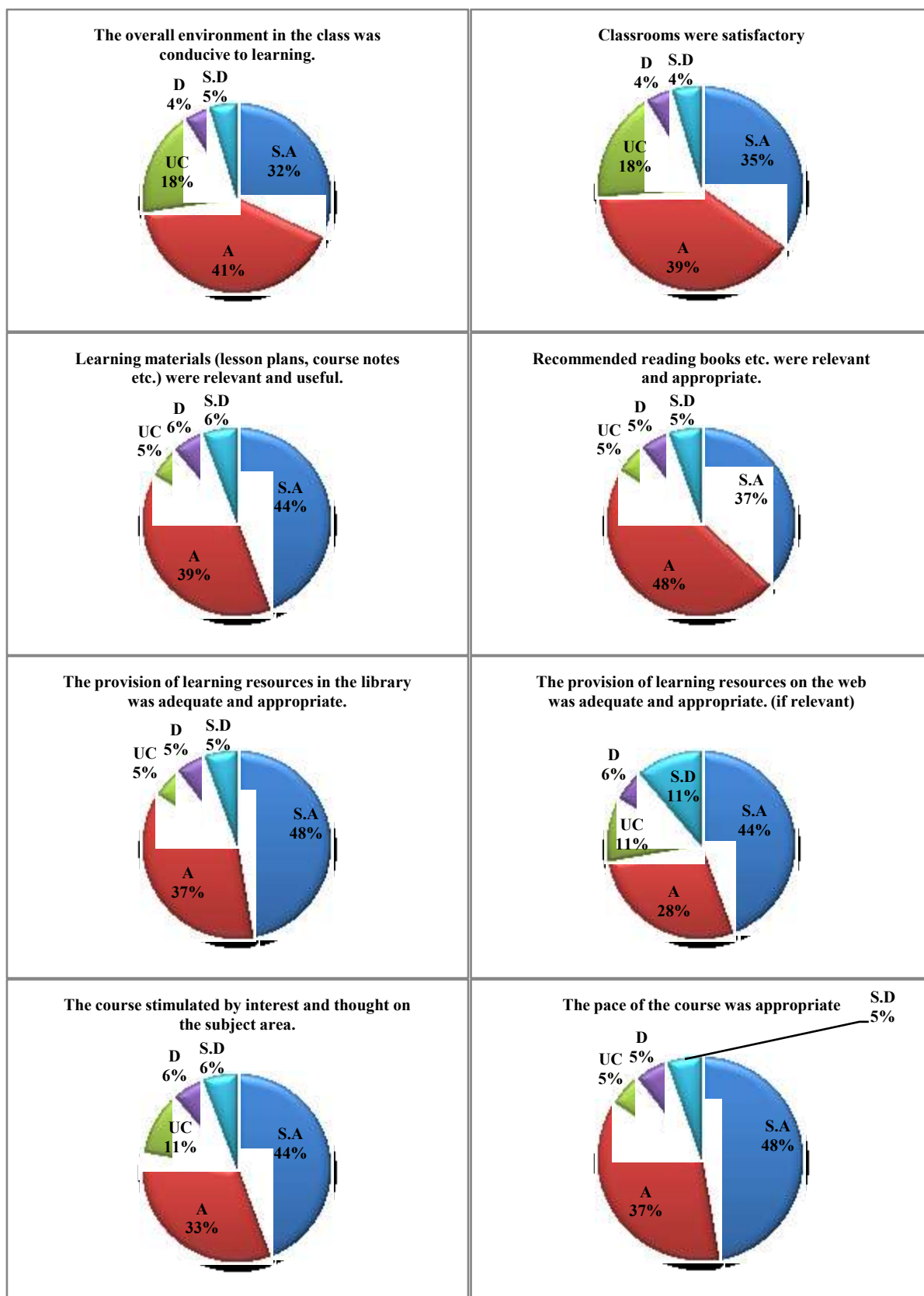
Figure 2: Course Evaluation Graph

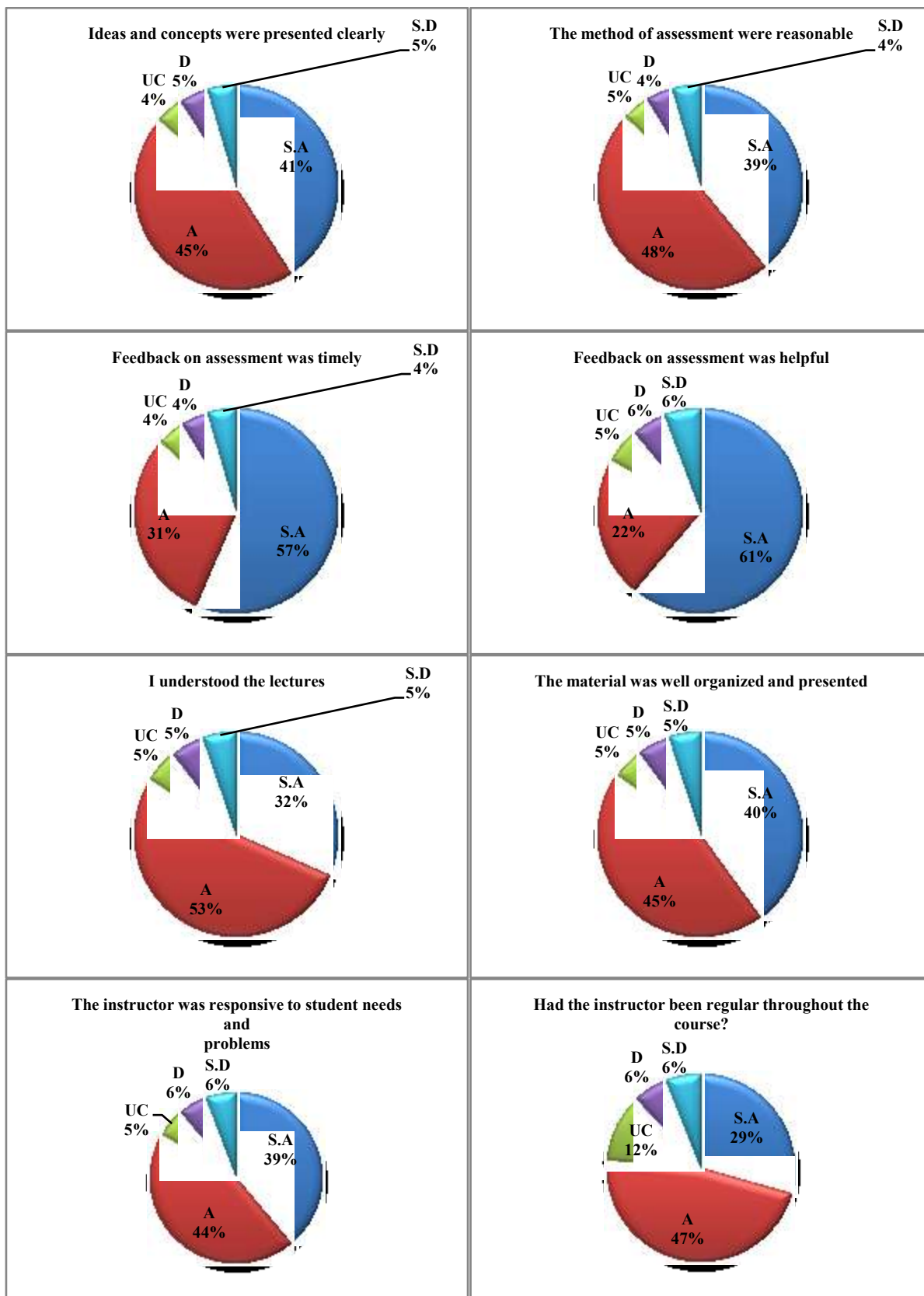
Each course evaluation is presented graphically below.

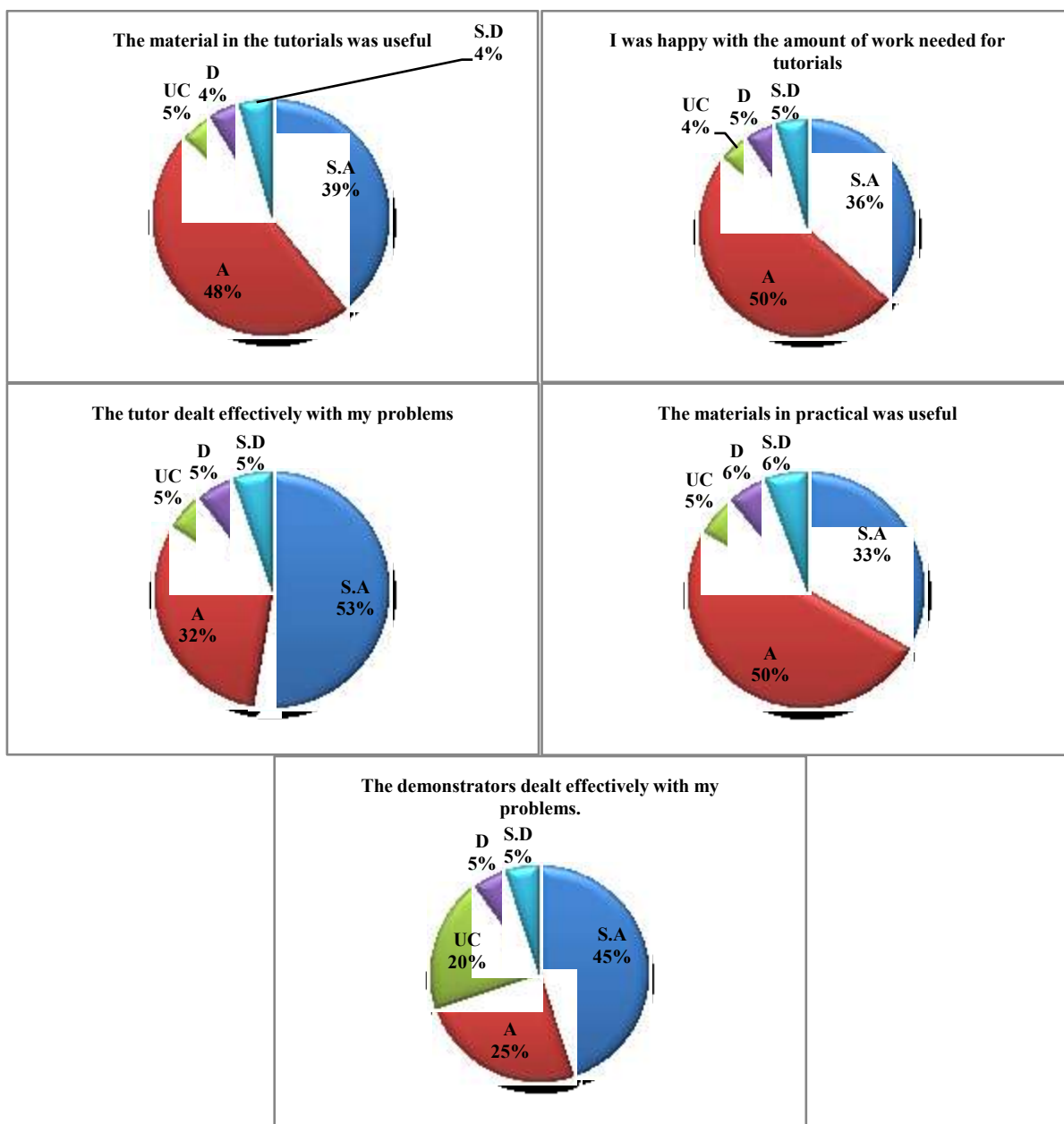
CS- 400 (Dr. Sohail Asghar)

The graph shows the details of the evaluation. The course objectives were clear and course proceeded according to the way of achieving this. The graph “The Course Objectives were clear” indicates this, 39% strongly agreed, 31% agreed, 13% are uncertain, 13% disagreed and 4% strongly disagree. The teacher has managed the course workload very well. The graph “The Course workload was manageable ” show this, 33% strongly agreed, 44% agreed, 11% are uncertain, 6% disagreed and 6% strongly disagree. The instructor recommended relevant and appropriate study material for this course. The graph “Learning materials (lesson plans, course notes etc.) were relevant and useful” reflects this, 44% strongly agreed, 39% agreed, 5% are uncertain, 6% disagreed and 6% strongly disagree. The course was very well organized. This can be seen in the graph “The course was well organized” , 55% strongly agreed, 26% agreed, 11% are uncertain, 4% disagreed and 4% strongly disagree.









General Comments by Students about this course

Strengths:

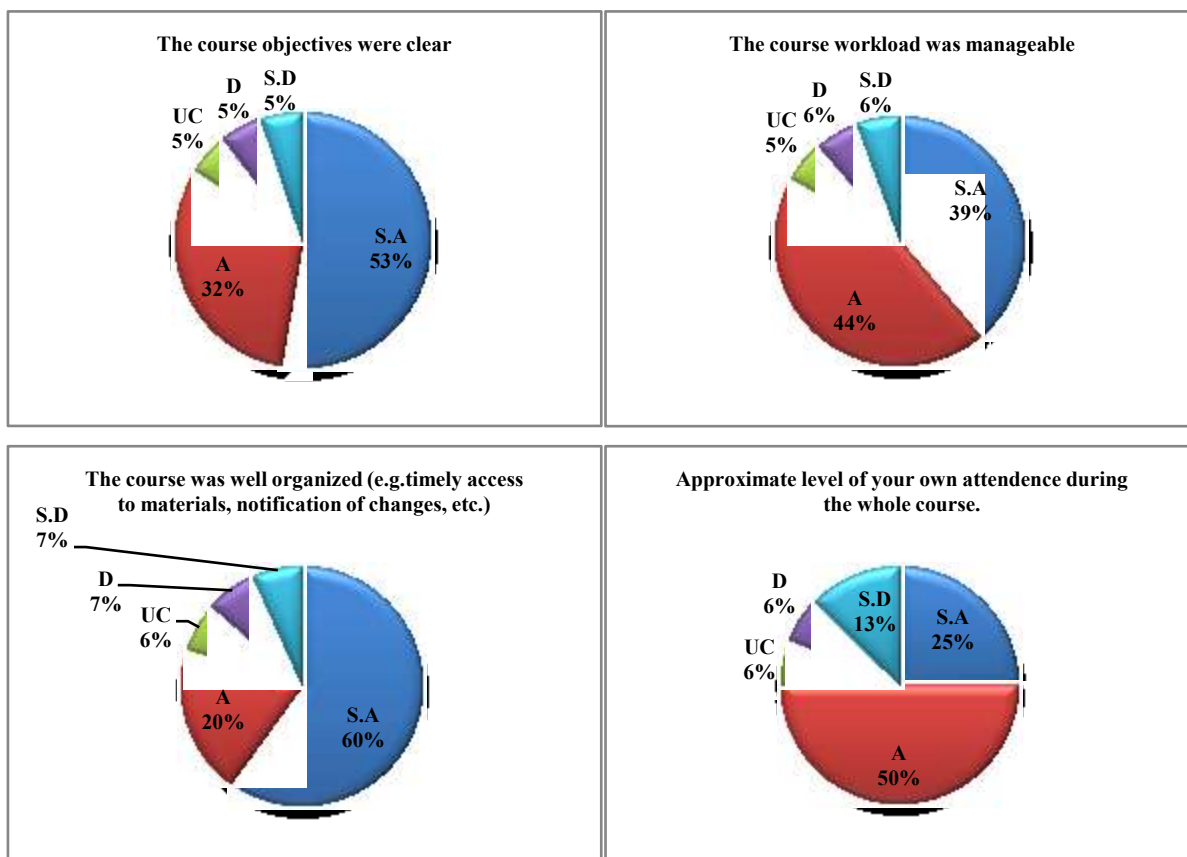
- Objectives were clear
- Good teaching method
- More practical work

Weaknesses:

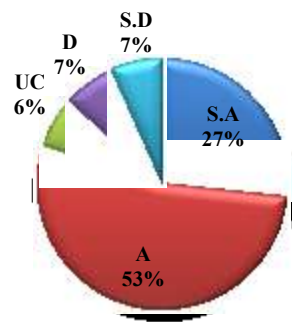
- Tutorials should be added

CS- 323 (Ms. Aisha Umair)

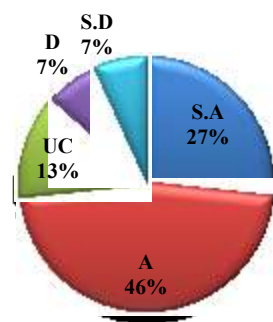
The graph shows that 53% of the students strongly agreed that course objectives are clear. The 32% agreed with the notion while 5% are uncertain, 5% do not agree and 5% strongly disagree. The course load was manageable as 39% of the students strongly agreed, 44% of the students agreed, 5% of students are uncertain, 6% of the students do not agree and 6% strongly disagree. The course material was well organized this is strongly agreed with 60% of the students and 20% of the students agreed while, 6% are uncertain, 7% of the students do not agree and 7% strongly disagreed. The approximate level of attendance of the teacher during the course was good, it is agreed with 50% of the students and 25% strongly agreed while, 6% are uncertain, 6% of the students do not agree and 13% strongly disagreed. The learning and teaching method of the teacher encouraged the participants; this is agreed by 60% of the students and strongly agreed by 20% of the students while, 6% are uncertain, 7% of the students do not agree and 7% strongly disagreed with the concept.



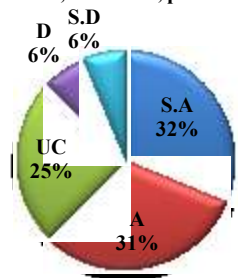
I participated actively in the course



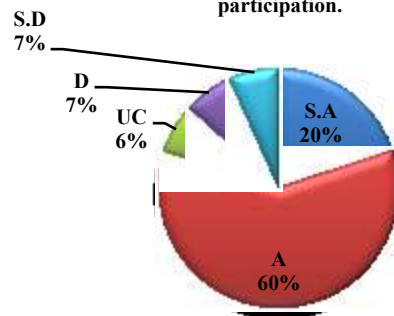
I think I have made progress in this course



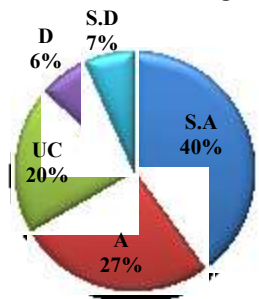
I think the course was well constructed to achieve the learning outcomes (there was a good balance of lecture, tutorials, practical etc.)



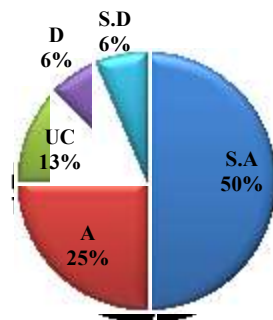
The learning and teaching methods encouraged participation.



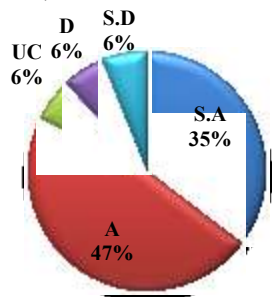
The overall environment in the class was conducive to learning.



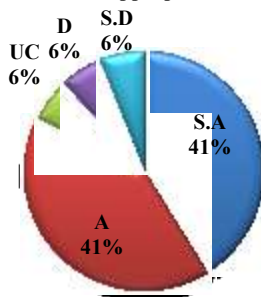
Classrooms were satisfactory



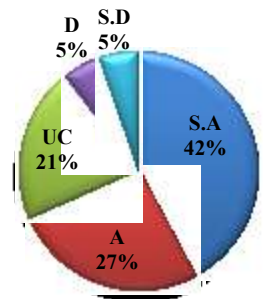
Learning materials (lesson plans, course notes etc.) were relevant and useful.



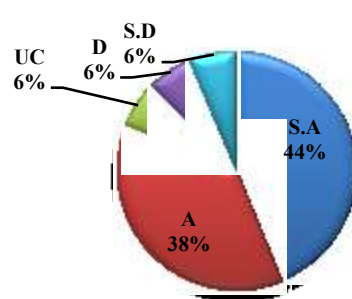
Recommended reading books etc. were relevant and appropriate.



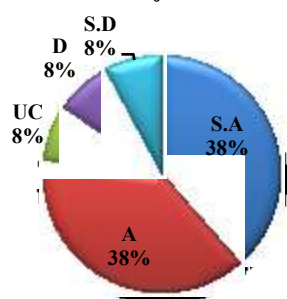
The provision of learning resources in the library was adequate and appropriate.



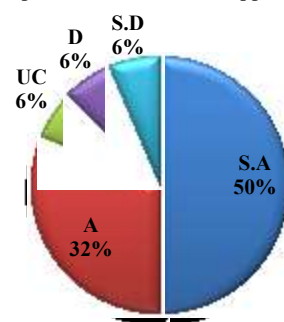
The provision of learning resources on the web was adequate and appropriate. (if relevant)



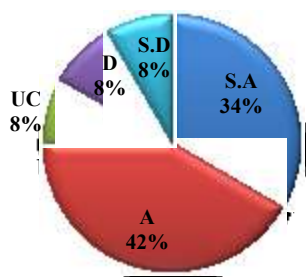
The course stimulated by interest and thought on the subject area.



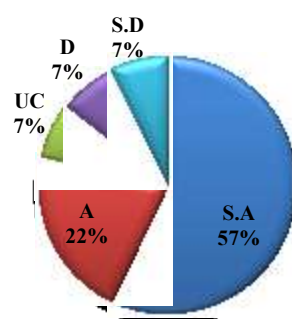
The pace of the course was appropriate



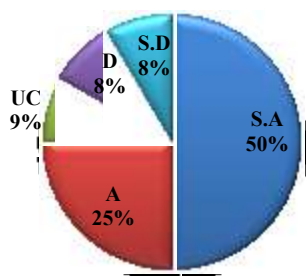
Ideas and concepts were presented clearly



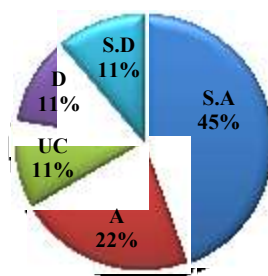
The method of assessment were reasonable



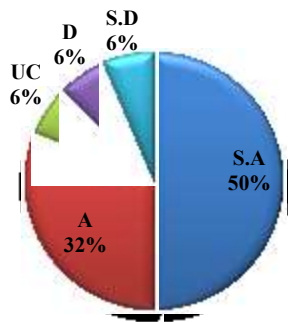
Feedback on assessment was timely



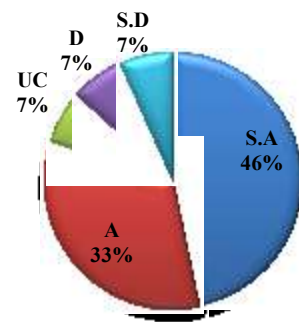
Feedback on assessment was helpful



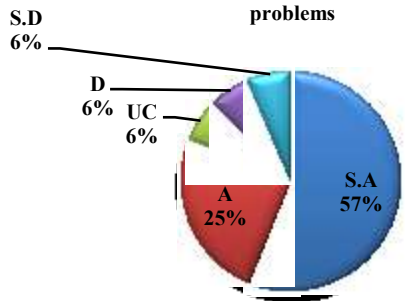
I understood the lectures



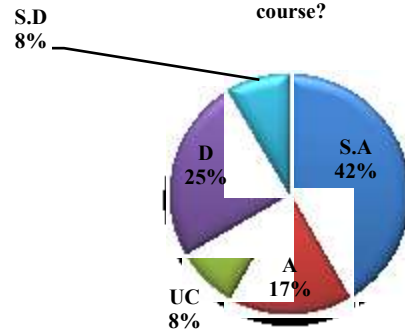
The material was well organized and presented



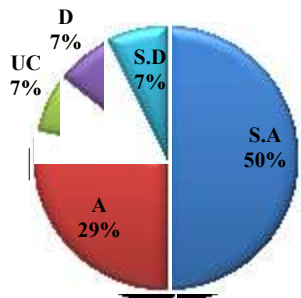
The instructor was responsive to student needs and problems



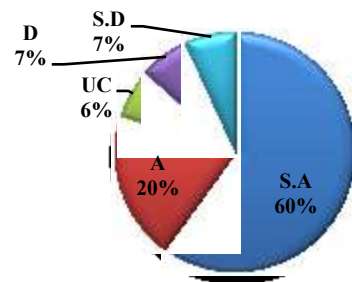
Had the instructor been regular throughout the course?

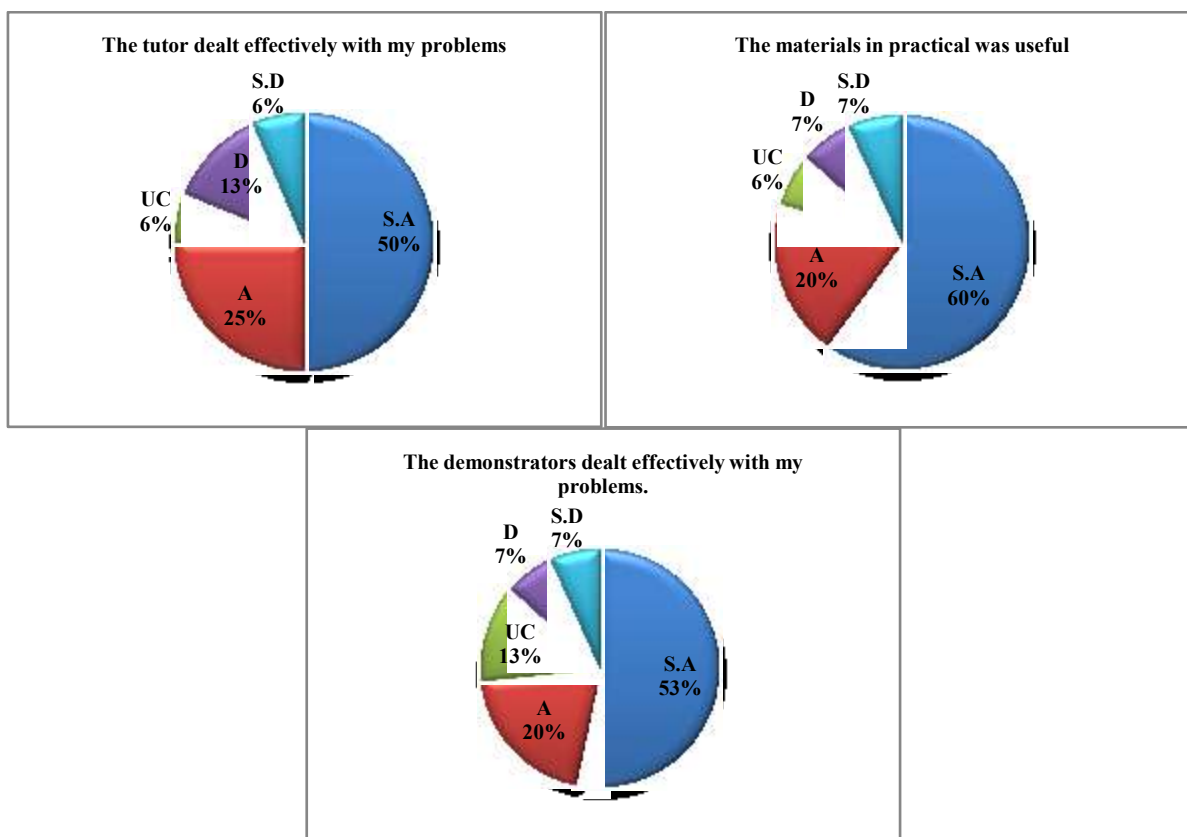


The material in the tutorials was useful



I was happy with the amount of work needed for tutorials





General Comments by Students about this course:

Strengths :

- Understanding of the course
- Clear Objectives
- Well organized material

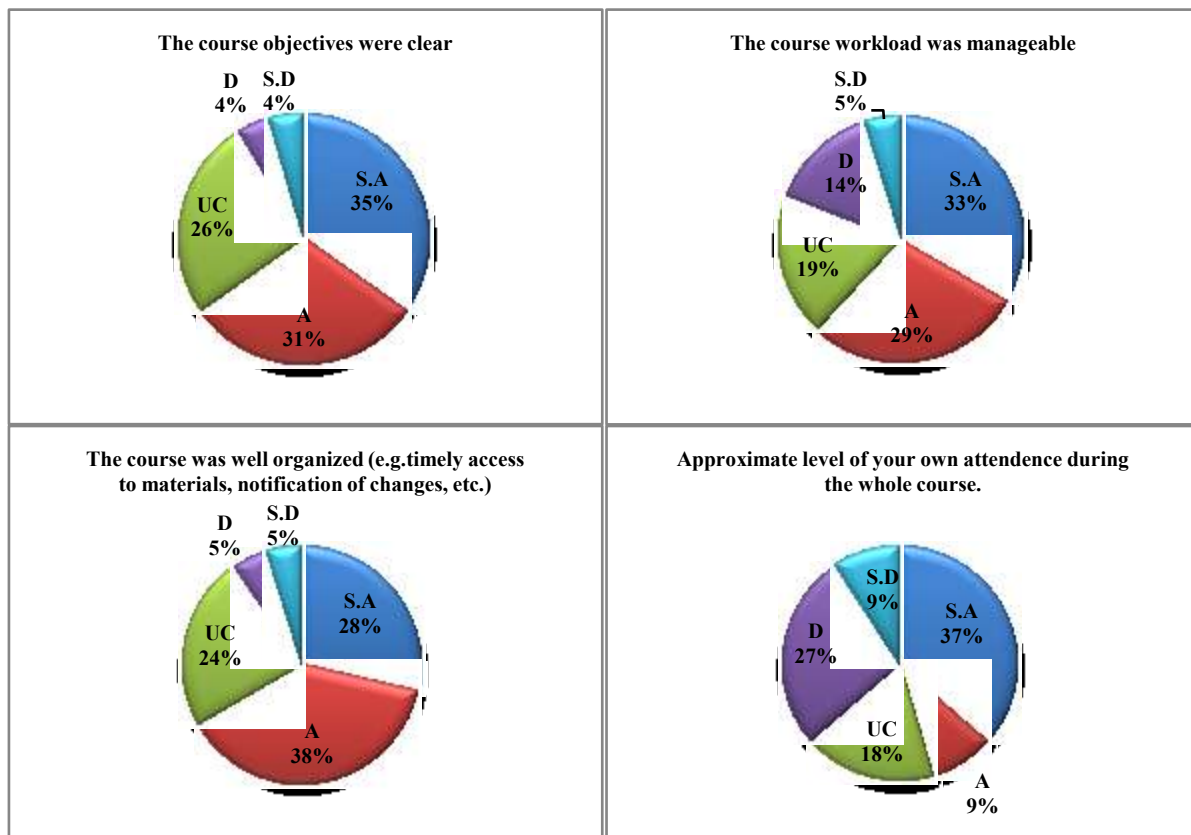
Weaknesses:

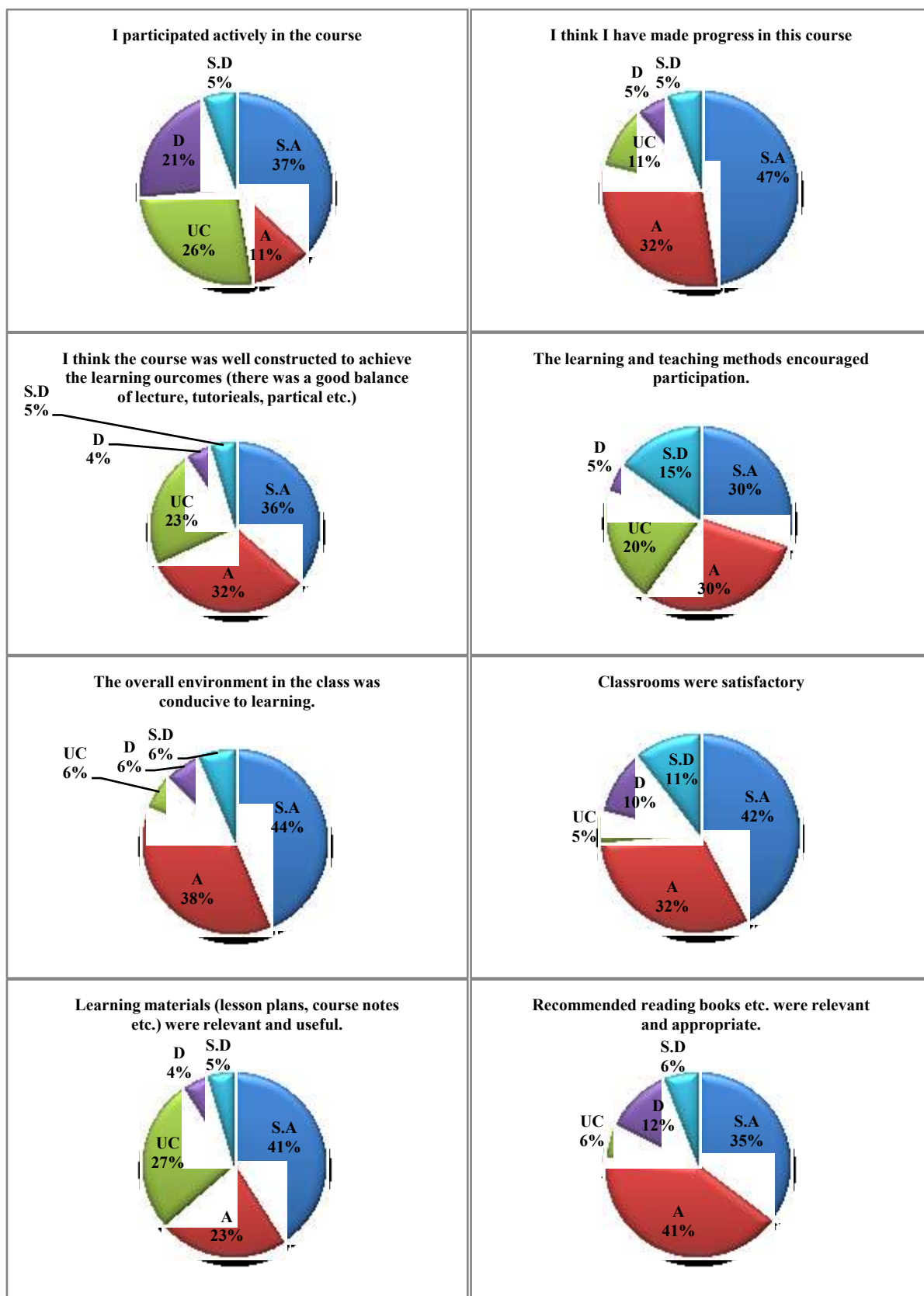
- More practical material should be added

CS-301 (Ms. Aisha Umair)

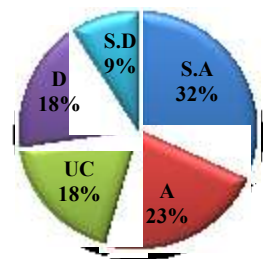
The graph shows that 35% of the students strongly agreed that course objectives are clear. The 31% agreed with the notion while, 26% are uncertain, 4% of the students do not agree and 4% strongly disagreed. The course load was manageable as 33% of the students strongly agreed and

29% of the students agreed, 19% are uncertain, 14% of the students do not agree and 5% strongly disagree. The course material was well organized this is strongly agreed by 28% of the students and 38% of the students agreed while, 24% are uncertain, 5% of the students do not agree and 5% strongly disagreed. The approximate level of attendance of the teacher during the course was good, it is agreed by 9% of the students and 37% strongly agreed while, 18% are uncertain, 27% of the students do not agree and 9% strongly disagreed. The learning and teaching method of the teacher encouraged the participants; this is agreed by 30% of the students and strongly agreed by 30% of the students while, 20% are uncertain, 5% of the students do not agree and 15% strongly disagreed with the concept.

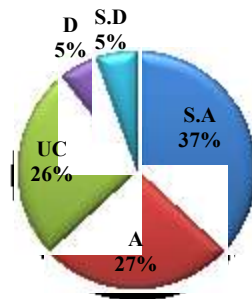




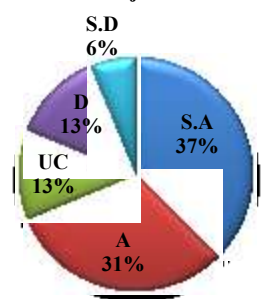
The provision of learning resources in the library was adequate and appropriate.



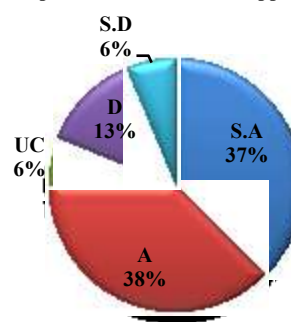
The provision of learning resources on the web was adequate and appropriate. (if relevant)



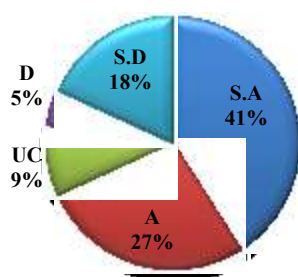
The course stimulated by interest and thought on the subject area.



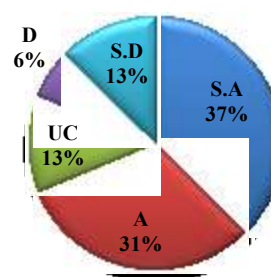
The pace of the course was appropriate



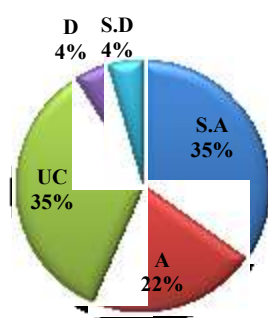
Ideas and concepts were presented clearly



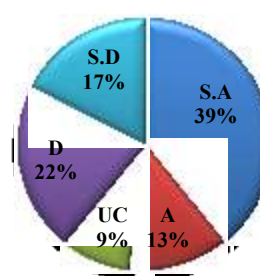
The method of assessment were reasonable



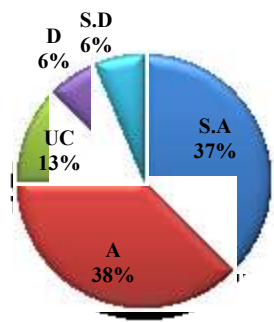
Feedback on assessment was timely



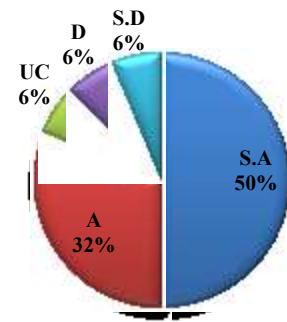
Feedback on assessment was helpful



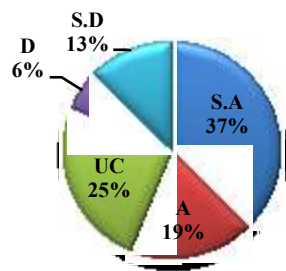
I understood the lectures



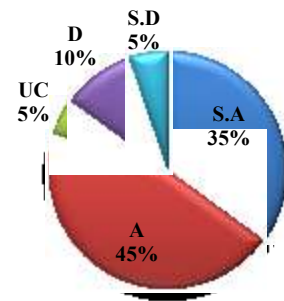
The material was well organized and presented



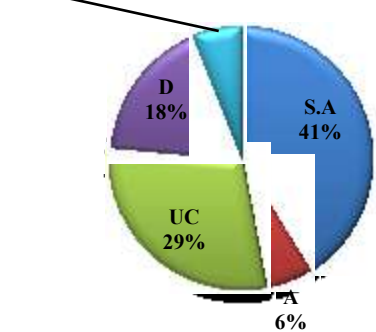
The instructor was responsive to student needs and problems



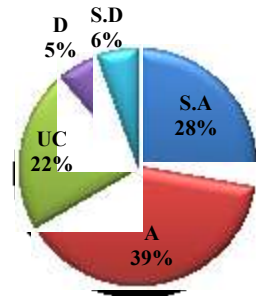
Had the instructor been regular throughout the course?

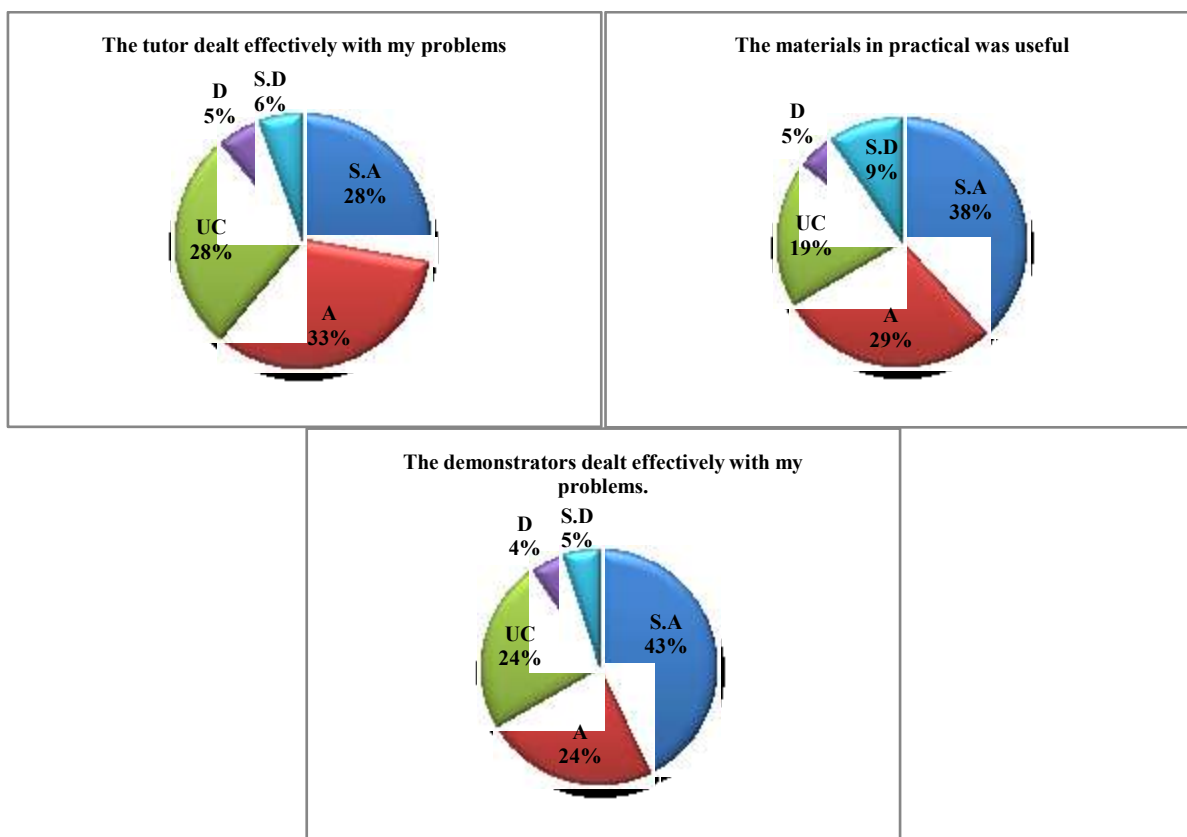


The material in the tutorials was useful



I was happy with the amount of work needed for tutorials





General Comments of Students about this course:

Strengths :

- Conducive environment in class
- Good communication with students
- Well organized material

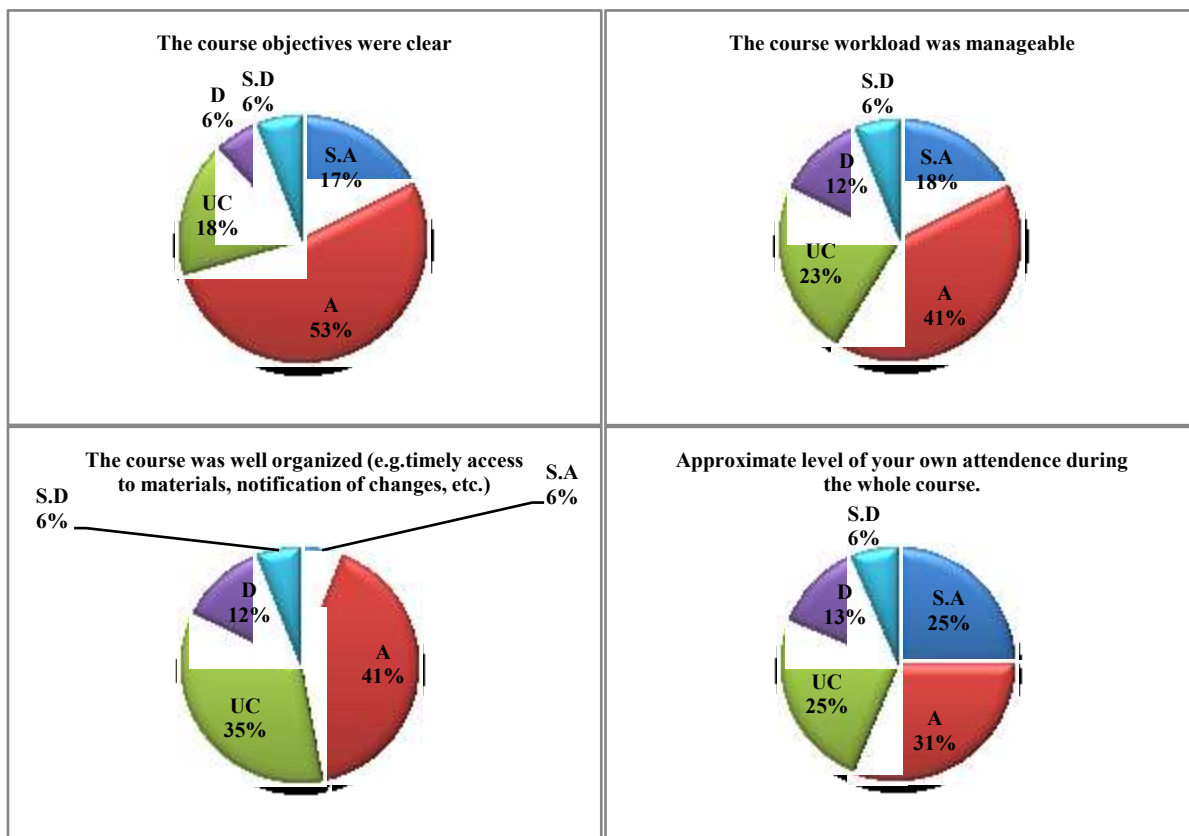
Weaknesses:

- Tutorials should be added
- More practical material should be added

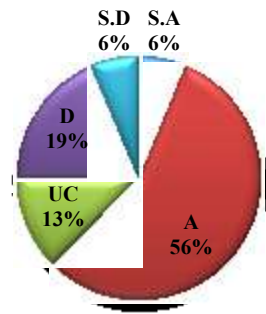
CS-552 (Ms. Irum Rubab)

The graph shows that 17% of the students strongly agreed that course objectives are clear. The 53% agreed with the notion while, 18% are uncertain, 6% of the students do not agree and 6% strongly disagreed. The course load was manageable as 18% of the students strongly agreed and 41% of the students agreed, 23% of the students are uncertain, 12% of the students do not agree

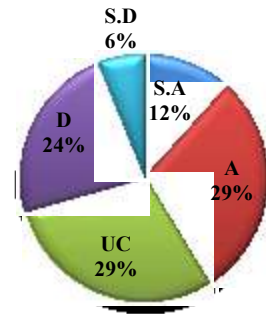
and 6% strongly disagree. The course material was well organized this is strongly agreed by 6% of the students and 41% of the students agreed while, 35% are uncertain, 12% of the students do not agree and 6% strongly disagreed. The approximate level of attendance of the teacher during the course was good, it is agreed by 31% of the students and 25% strongly agreed while, 25% are uncertain, 13% of the students do not agree and 6% strongly disagreed. The learning and teaching method of the teacher encouraged the participants; this is agreed by 24% of the students and strongly agreed by 29% of the students while, 35% are uncertain, 6% of the students do not agree and 6% strongly disagreed with the concept.



I participated actively in the course

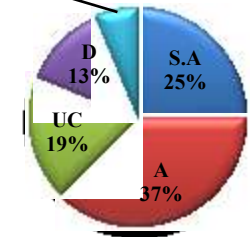


I think I have made progress in this course

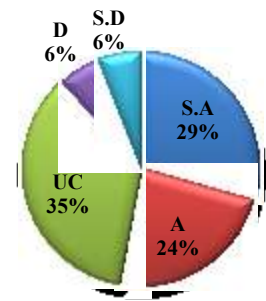


I think the course was well constructed to achieve the learning outcomes (there was a good balance of lecture, tutorials, practical etc.)

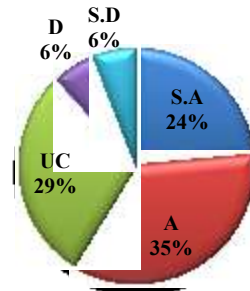
S.D 6%



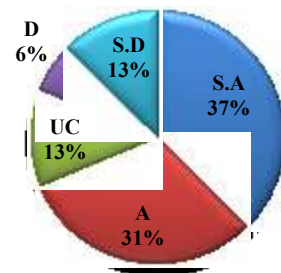
The learning and teaching methods encouraged participation.



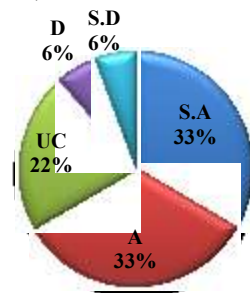
The overall environment in the class was conducive to learning.



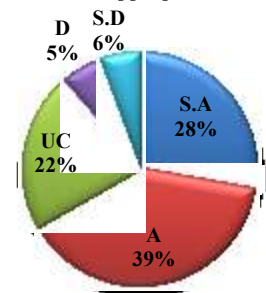
Classrooms were satisfactory



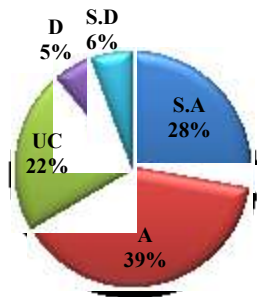
Learning materials (lesson plans, course notes etc.) were relevant and useful.



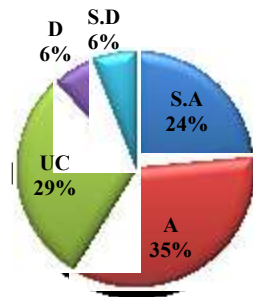
Recommended reading books etc. were relevant and appropriate.



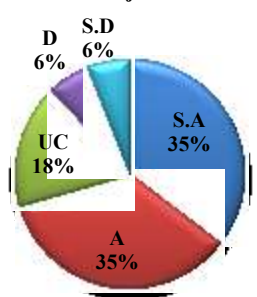
The provision of learning resources in the library was adequate and appropriate.



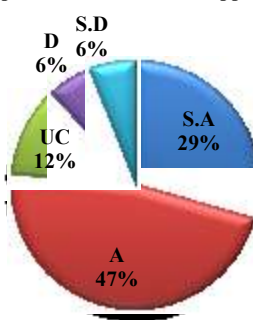
The provision of learning resources on the web was adequate and appropriate. (if relevant)



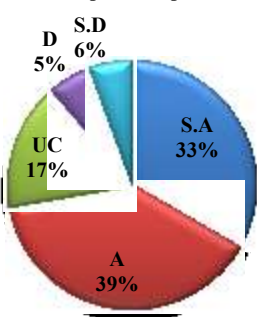
The course stimulated by interest and thought on the subject area.



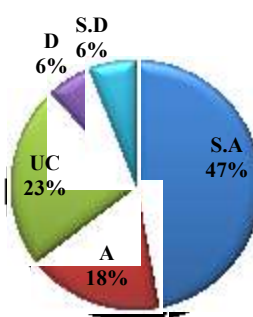
The pace of the course was appropriate



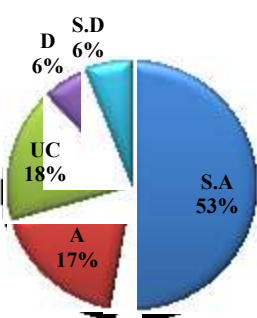
Ideas and concepts were presented clearly



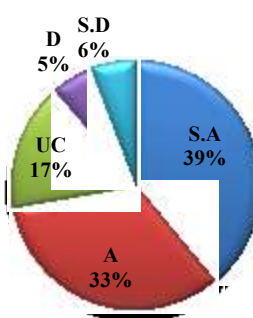
The method of assessment were reasonable



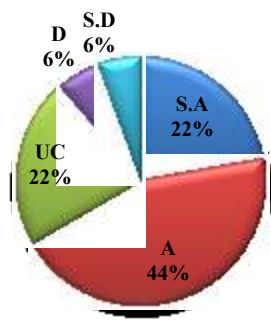
Feedback on assessment was timely



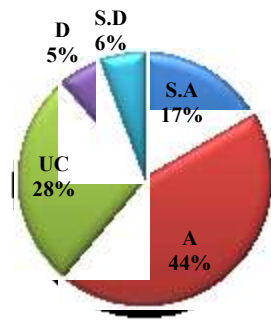
Feedback on assessment was helpful



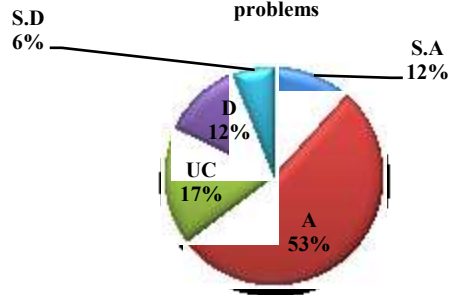
I understood the lectures



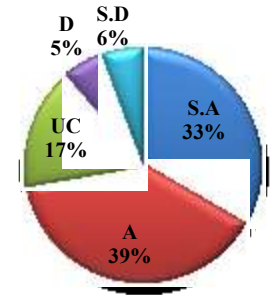
The material was well organized and presented



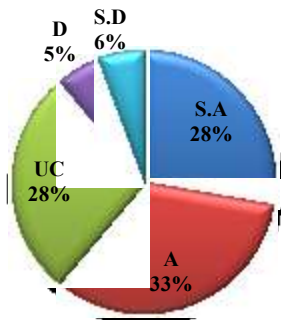
The instructor was responsive to student needs and problems



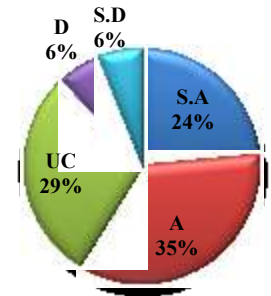
Had the instructor been regular throughout the course?



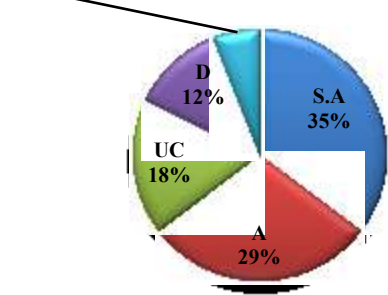
The material in the tutorials was useful



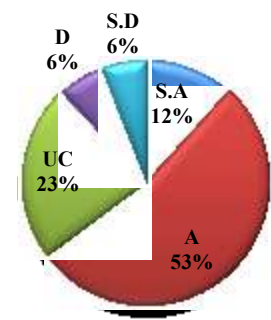
I was happy with the amount of work needed for tutorials

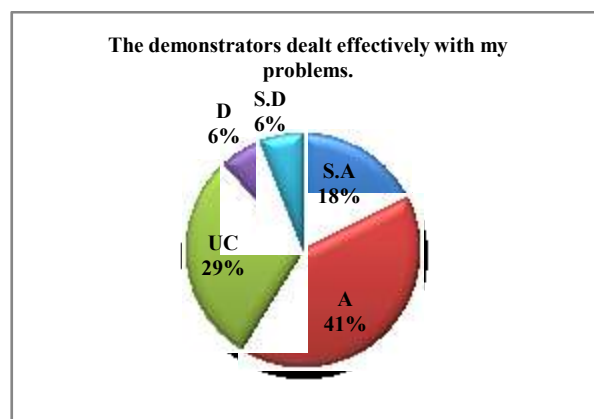


The tutor dealt effectively with my problems



The materials in practical was useful





General Comments of Students about this course:

Strengths :

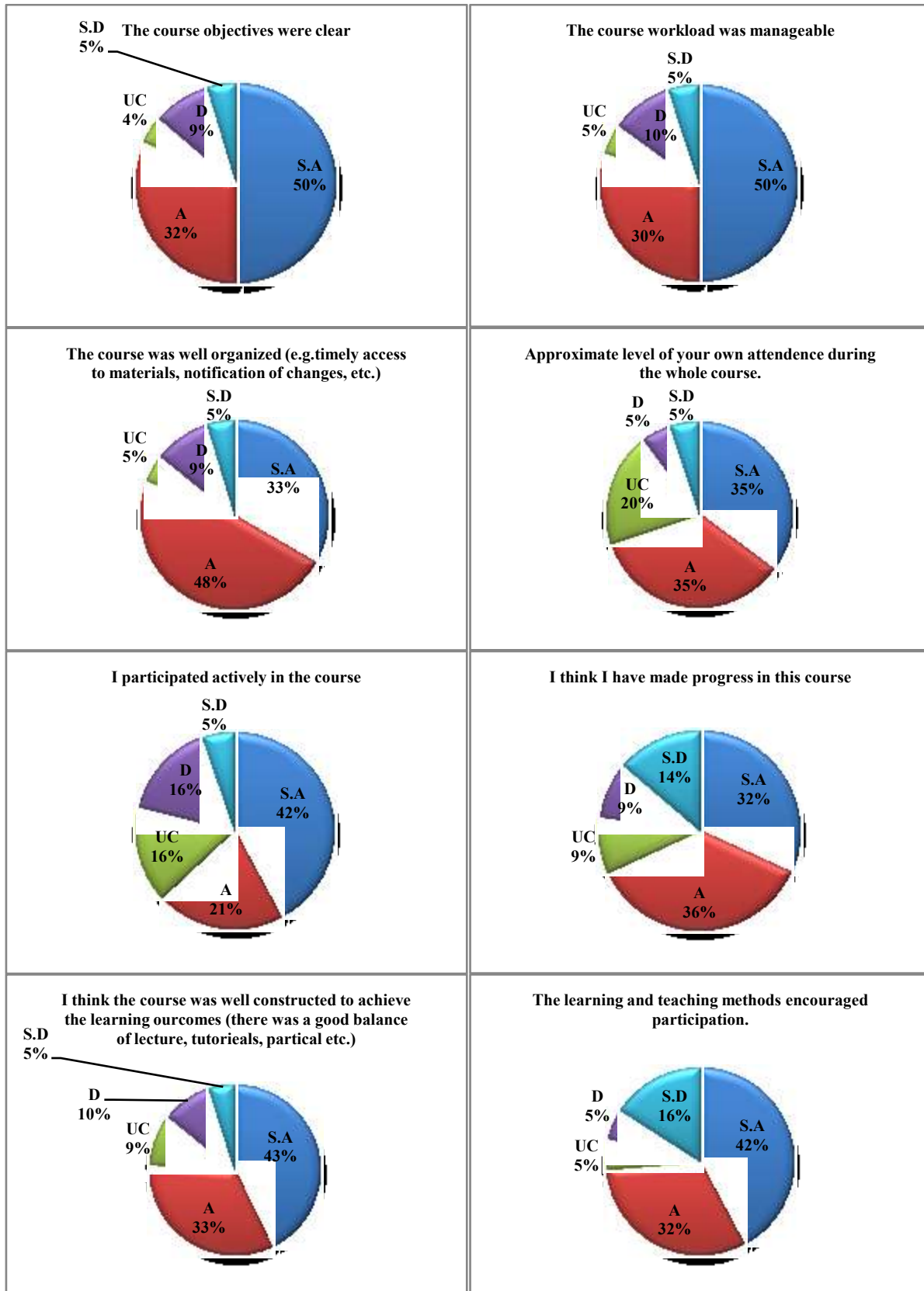
- Objectives well clear
- Reference material provided
- Well organized material

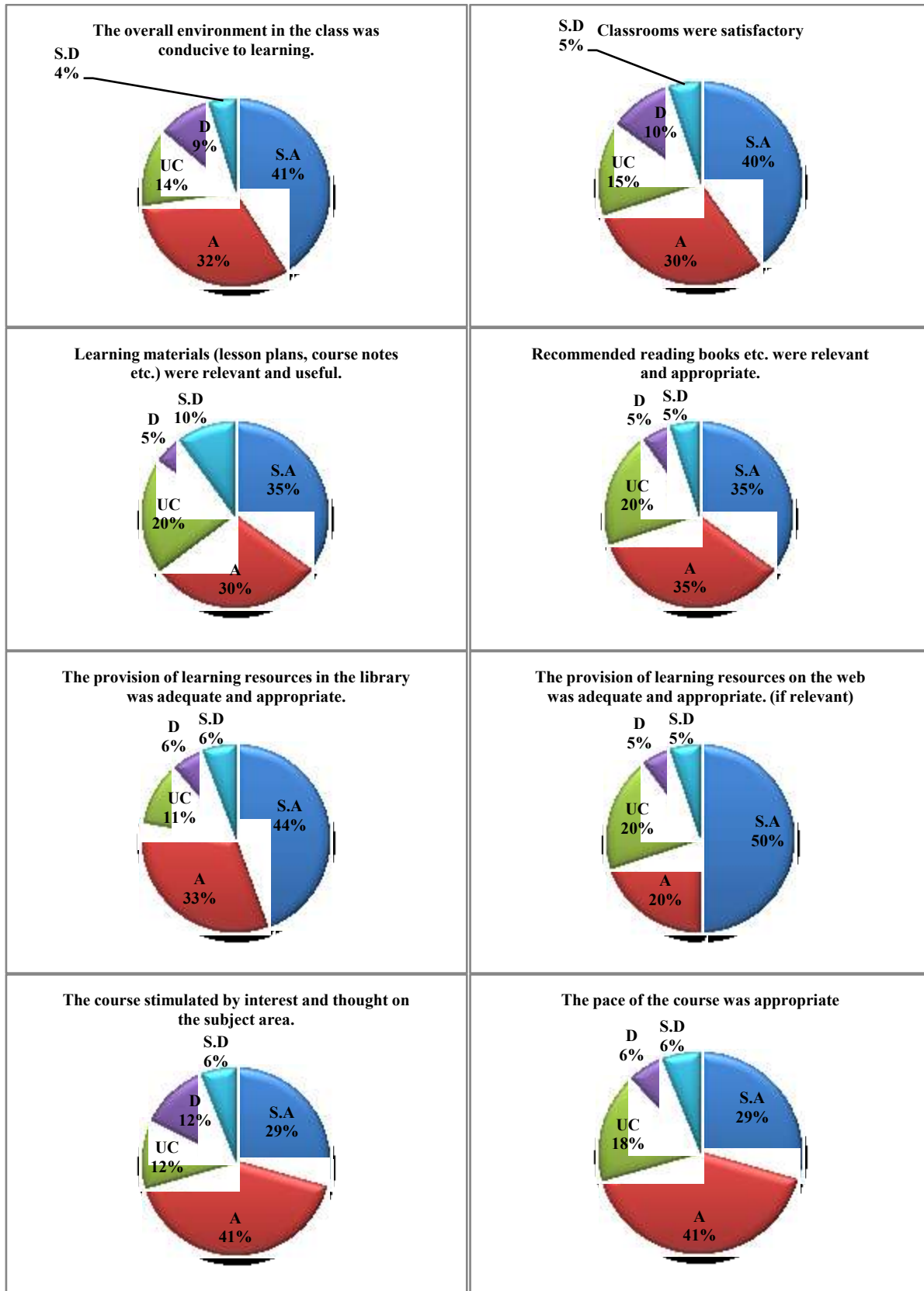
Weaknesses:

- The demonstration should be more effective

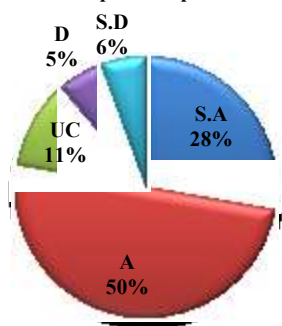
CS-301 (Ms. Irum Rubab)

The graph shows that 50% of the students strongly agreed that course objectives are clear. The 32% agreed with the notion while, 4% are uncertain, 9% of the students do not agree and 5% strongly disagreed. The course load was manageable as 50% of the students strongly agreed and 30% of the students agreed while, 5% are uncertain, 10% of the students do not agree and 5% strongly disagreed. The course material was well organized this is strongly agreed by 33% of the students and 48% of the students agreed while, 5% are uncertain, 9% of the students do not agree and 5% strongly disagreed. The approximate level of attendance of the teacher during the course was good, it is agreed by 35% of the students and 35% strongly agreed while, 20% are uncertain, 5% of the students do not agree and 5% strongly disagreed. The learning and teaching method of the teacher encouraged the participants; this is agreed by 32% of the students and strongly agreed by 42% of the students while, 5% are uncertain, 5% of the students do not agree and 16% strongly disagreed with the concept.

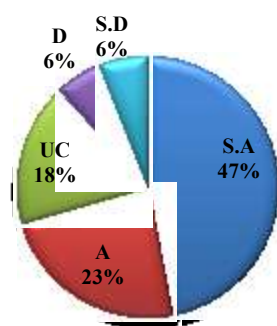




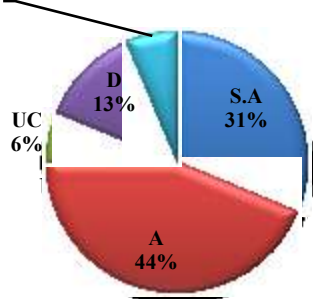
Ideas and concepts were presented clearly



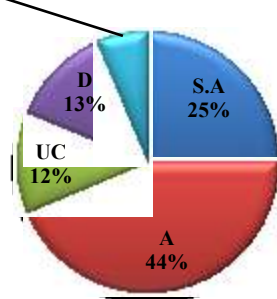
The method of assessment were reasonable



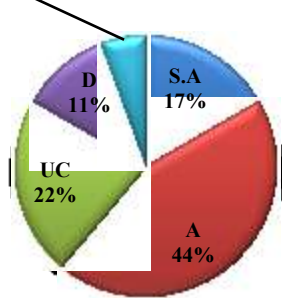
Feedback on assessment was timely



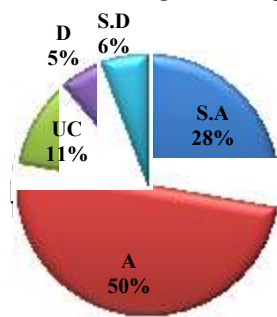
Feedback on assessment was helpful



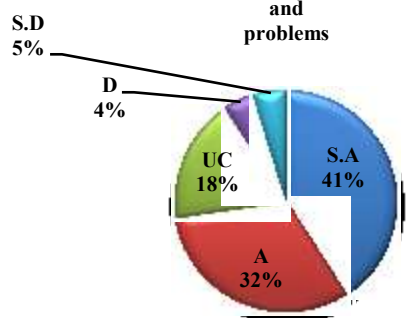
I understood the lectures



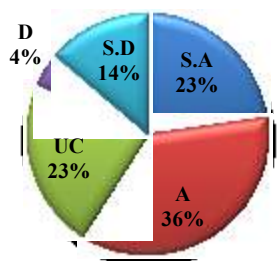
The material was well organized and presented

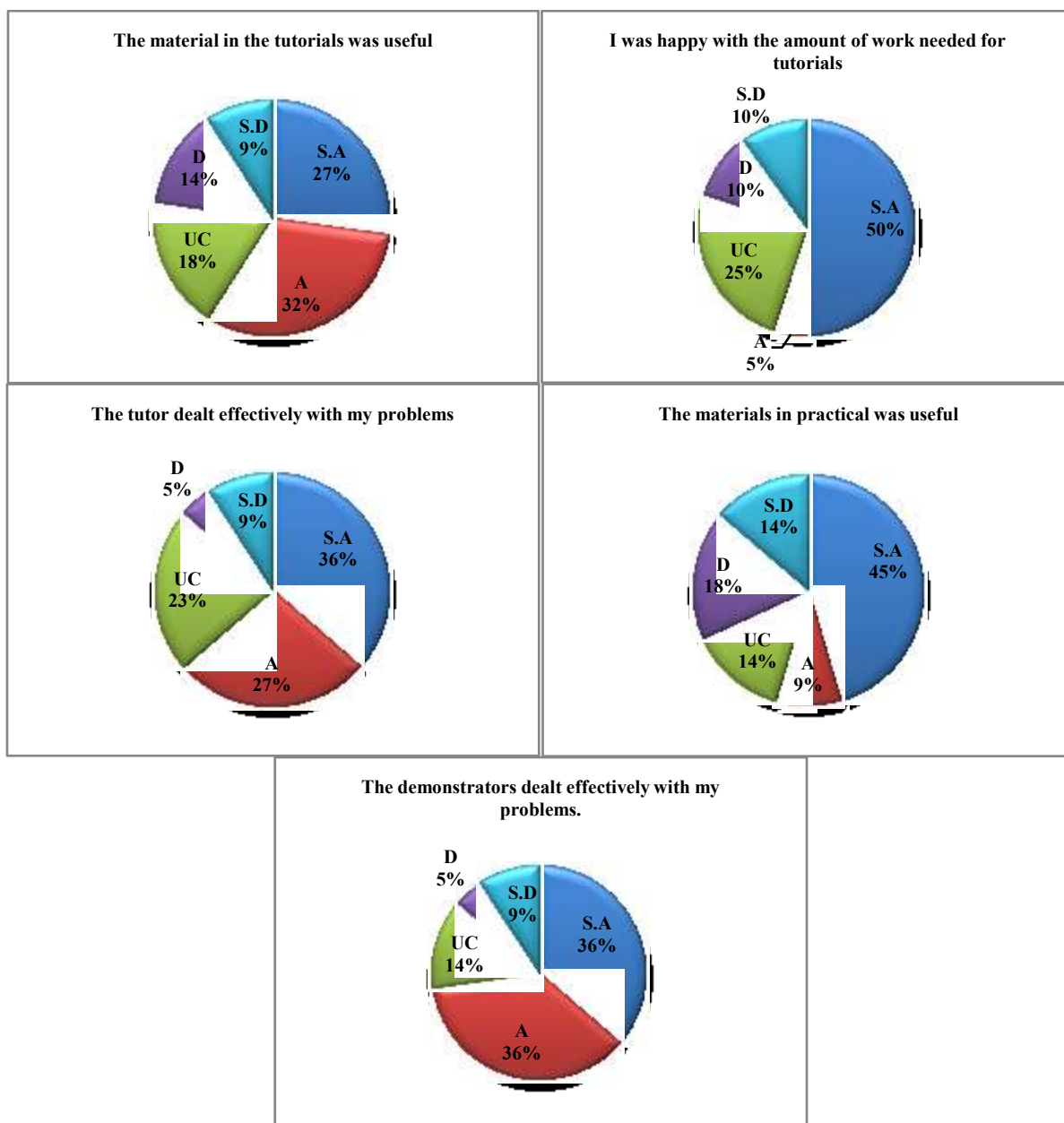


The instructor was responsive to student needs and problems



Had the instructor been regular throughout the course?





General Comments of Students about this course:

Strengths :

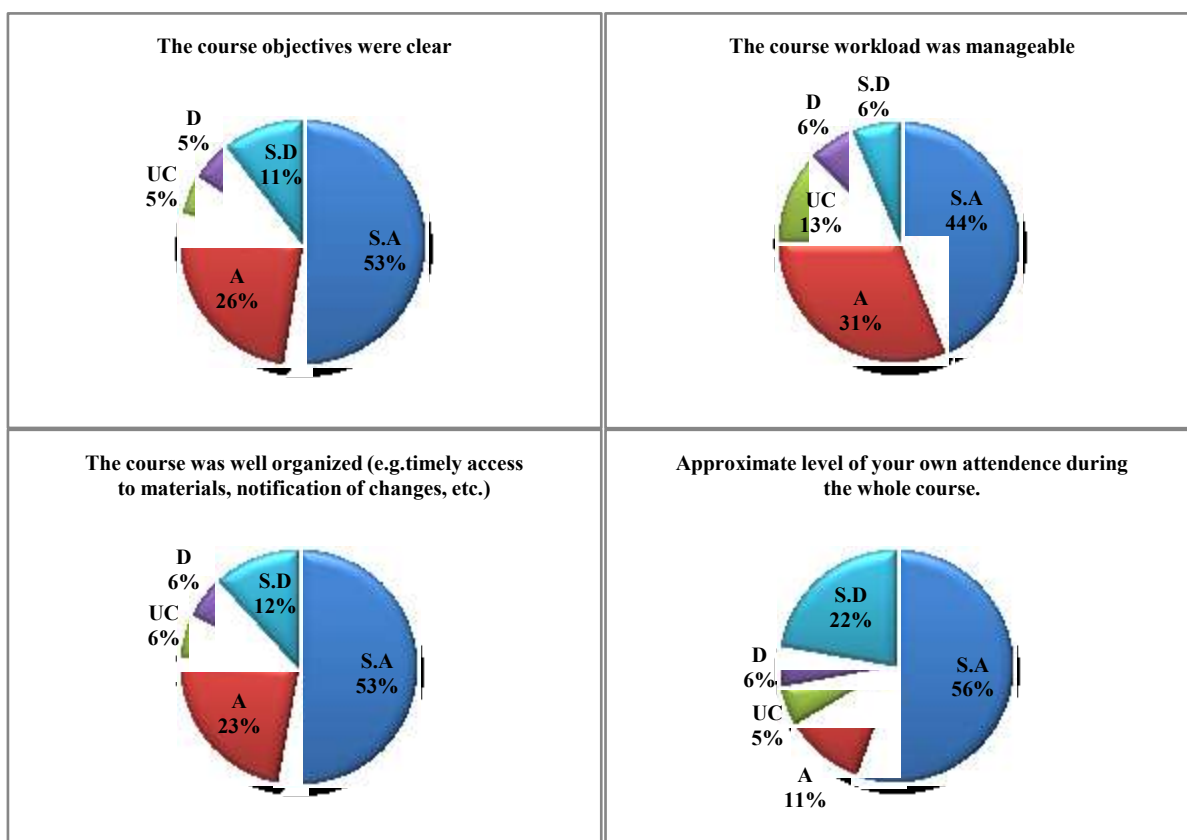
- Understanding of the course
- Good reference material provided

Weaknesses:

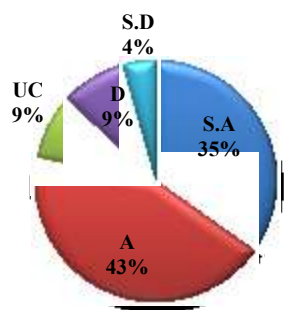
- Objectives should be more clear

CS-335 (Mr. Muhammad Nazir)

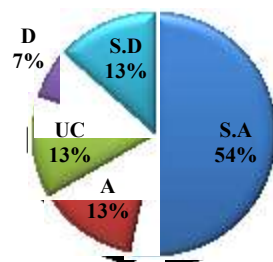
The graph shows that 53% of the students strongly agreed that course objectives are clear. The 26% agreed with the notion while, 5% are uncertain, 5% of the students do not agree and 11% strongly disagreed. The course load was manageable as 44% of the students strongly agreed and 31% of the students agreed while, 13% are uncertain, 6% of the students do not agree and 6% strongly disagreed. The course material was well organized this is strongly agreed by 53% of the students and 23% of the students agreed while, 6% are uncertain, 6% of the students do not agree and 12% strongly disagreed. The approximate level of attendance of the teacher during the course was good, it is strongly agreed by 56% of the students and 11% agreed while, 5% are uncertain, 6% of the students do not agree and 22% strongly disagreed. The learning and teaching method of the teacher encouraged the participants; this is agreed by 37% of the students and strongly agreed by 25% of the students while, 19% are uncertain, 6% of the students do not agree and 13% strongly disagreed with the concept.



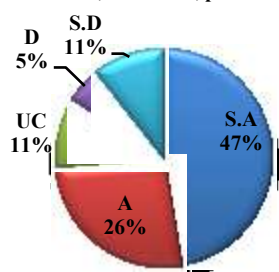
I participated actively in the course



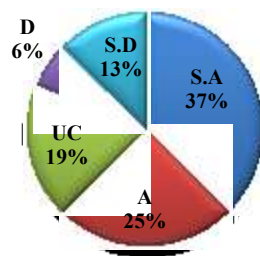
I think I have made progress in this course



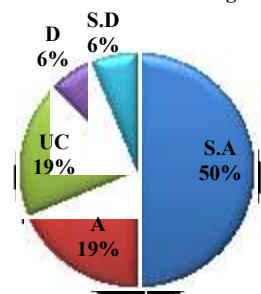
I think the course was well constructed to achieve the learning outcomes (there was a good balance of lecture, tutorials, practical etc.)



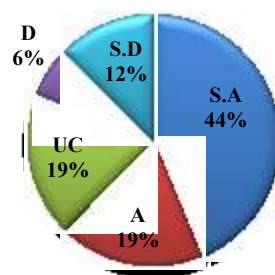
The learning and teaching methods encouraged participation.



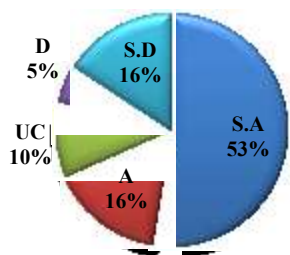
The overall environment in the class was conducive to learning.



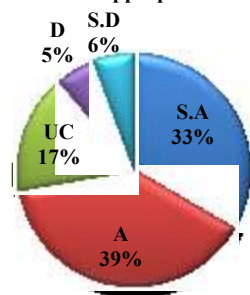
Classrooms were satisfactory



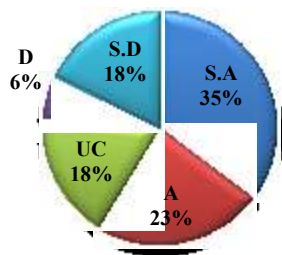
Learning materials (lesson plans, course notes etc.) were relevant and useful.



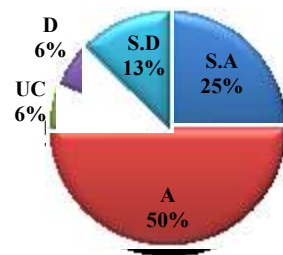
Recommended reading books etc. were relevant and appropriate.



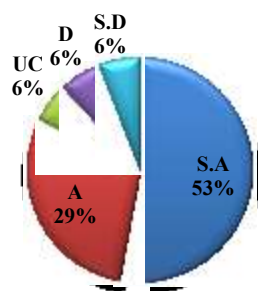
The provision of learning resources in the library was adequate and appropriate.



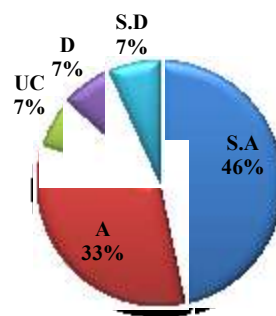
The provision of learning resources on the web was adequate and appropriate. (if relevant)



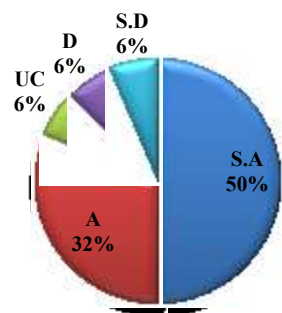
The course stimulated by interest and thought on the subject area.



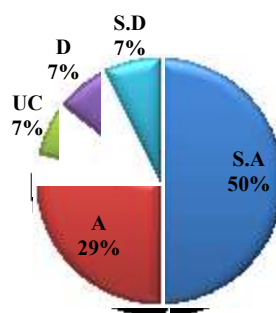
The pace of the course was appropriate



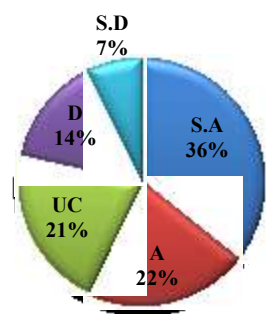
Ideas and concepts were presented clearly



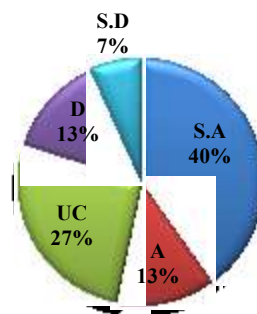
The method of assessment were reasonable



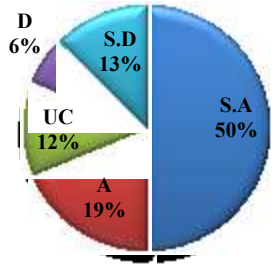
Feedback on assessment was timely



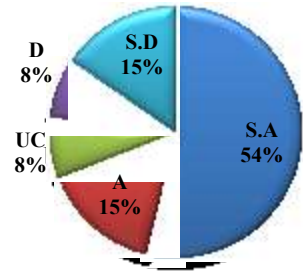
Feedback on assessment was helpful



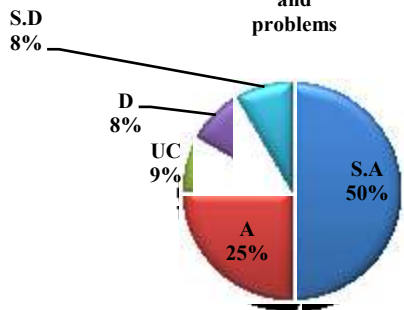
I understood the lectures



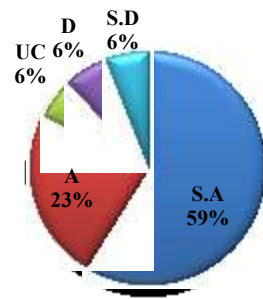
The material was well organized and presented



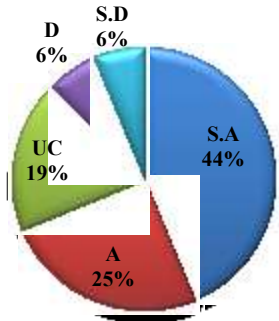
The instructor was responsive to student needs and problems



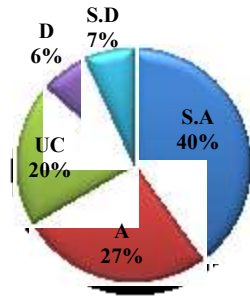
Had the instructor been regular throughout the course?



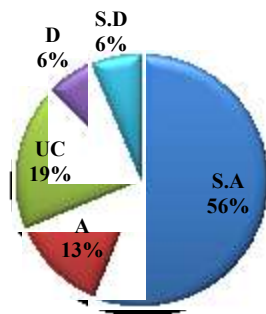
The material in the tutorials was useful



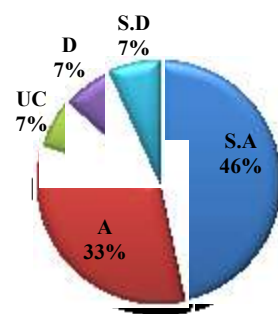
I was happy with the amount of work needed for tutorials

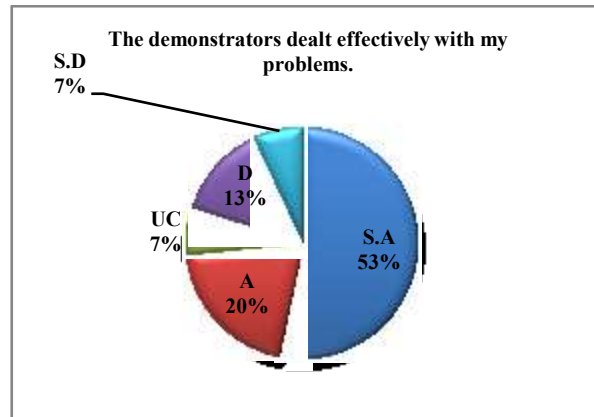


The tutor dealt effectively with my problems



The materials in practical was useful





General Comments of Students about this course:

Strengths :

- Well organized course
- Reference material provided
- Teaching was effective

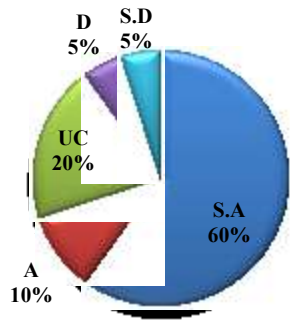
Weaknesses:

- More online resources should be provided

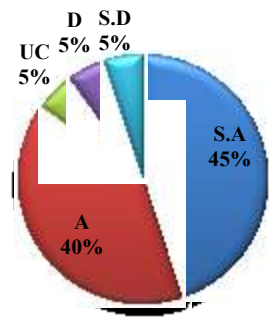
CS-443 (Mr. Muhammad Nazir)

The graph shows that 60% of the students strongly agreed that course objectives are clear. The 10% agreed with the notion while, 20% are uncertain, 5% of the students do not agree and 5% strongly disagreed. The course load was manageable as 45% of the students strongly agreed and 40% of the students agreed while, 5% are uncertain, 5% of the students do not agree and 5% strongly disagreed. The course material was well organized this is strongly agreed by 15% of the students and 40% of the students agreed while, 35% are uncertain, 5% of the students do not agree and 5% strongly disagreed. The approximate level of attendance of the teacher during the course was good, it is agreed by 30% of the students and 50% strongly agreed while, 10% are uncertain, 5% of the students do not agree and 5% strongly disagreed. The learning and teaching method of the teacher encouraged the participants; this is agreed by 56% of the students and strongly agreed by 28% of the students while, 5% are uncertain, 5% of the students do not agree and 6% strongly disagreed with the concept.

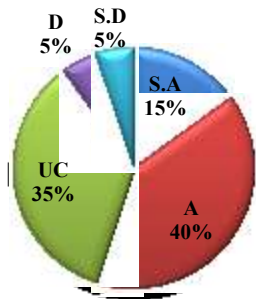
The course objectives were clear



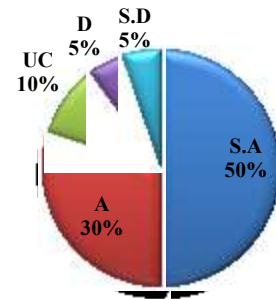
The course workload was manageable



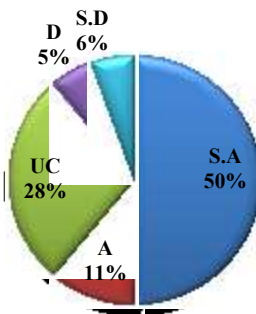
The course was well organized (e.g.timely access to materials, notification of changes, etc.)



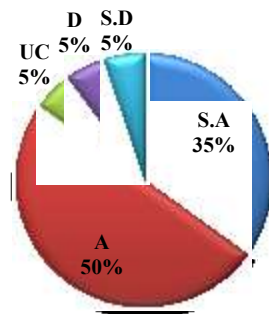
Approximate level of your own attendance during the whole course.



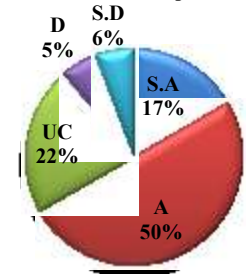
I participated actively in the course



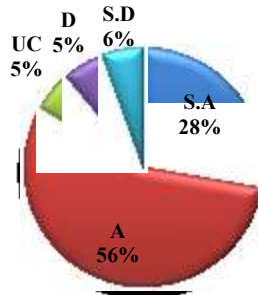
I think I have made progress in this course



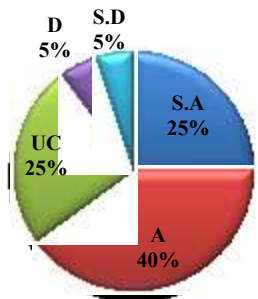
I think the course was well constructed to achieve the learning ourcomes (there was a good balance of lecture, tutorials, partical etc.)



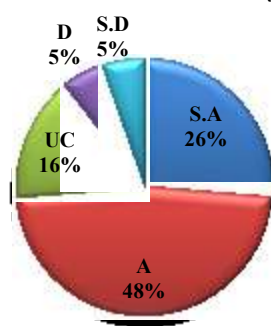
The learning and teaching methods encouraged participation.



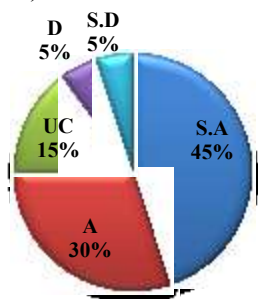
The overall environment in the class was conducive to learning.



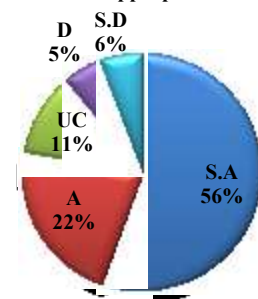
Classrooms were satisfactory



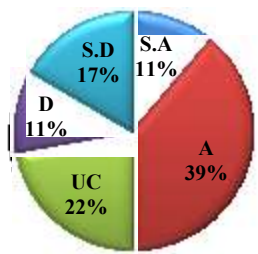
Learning materials (lesson plans, course notes etc.) were relevant and useful.



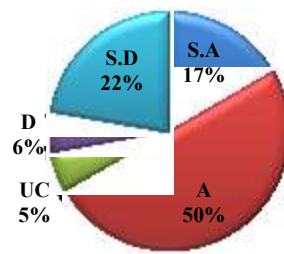
Recommended reading books etc. were relevant and appropriate.



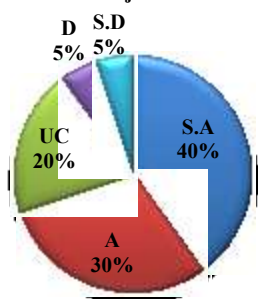
The provision of learning resources in the library was adequate and appropriate.



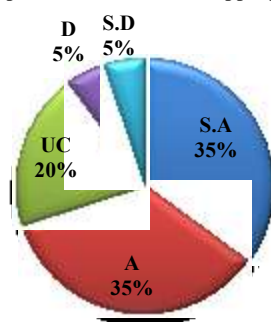
The provision of learning resources on the web was adequate and appropriate. (if relevant)



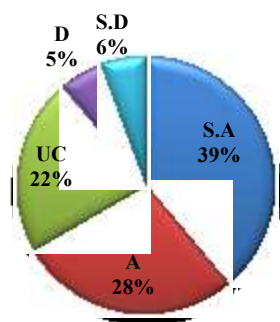
The course stimulated by interest and thought on the subject area.



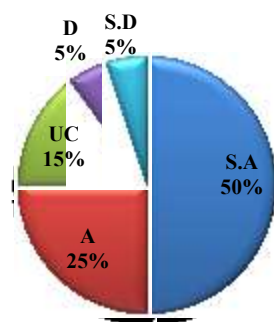
The pace of the course was appropriate



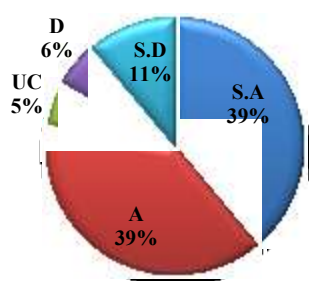
Ideas and concepts were presented clearly



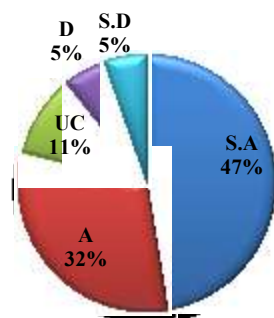
The method of assessment were reasonable



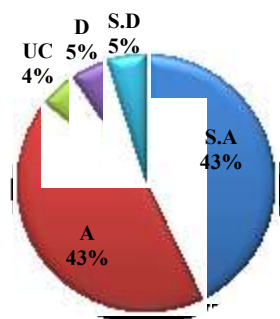
Feedback on assessment was timely



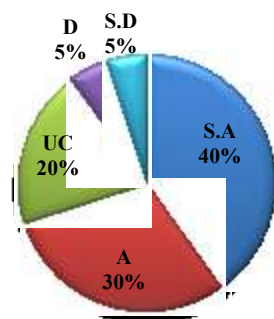
Feedback on assessment was helpful



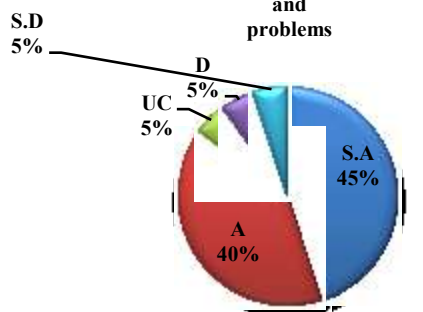
I understood the lectures



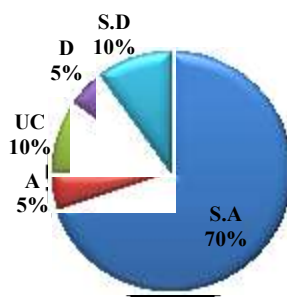
The material was well organized and presented

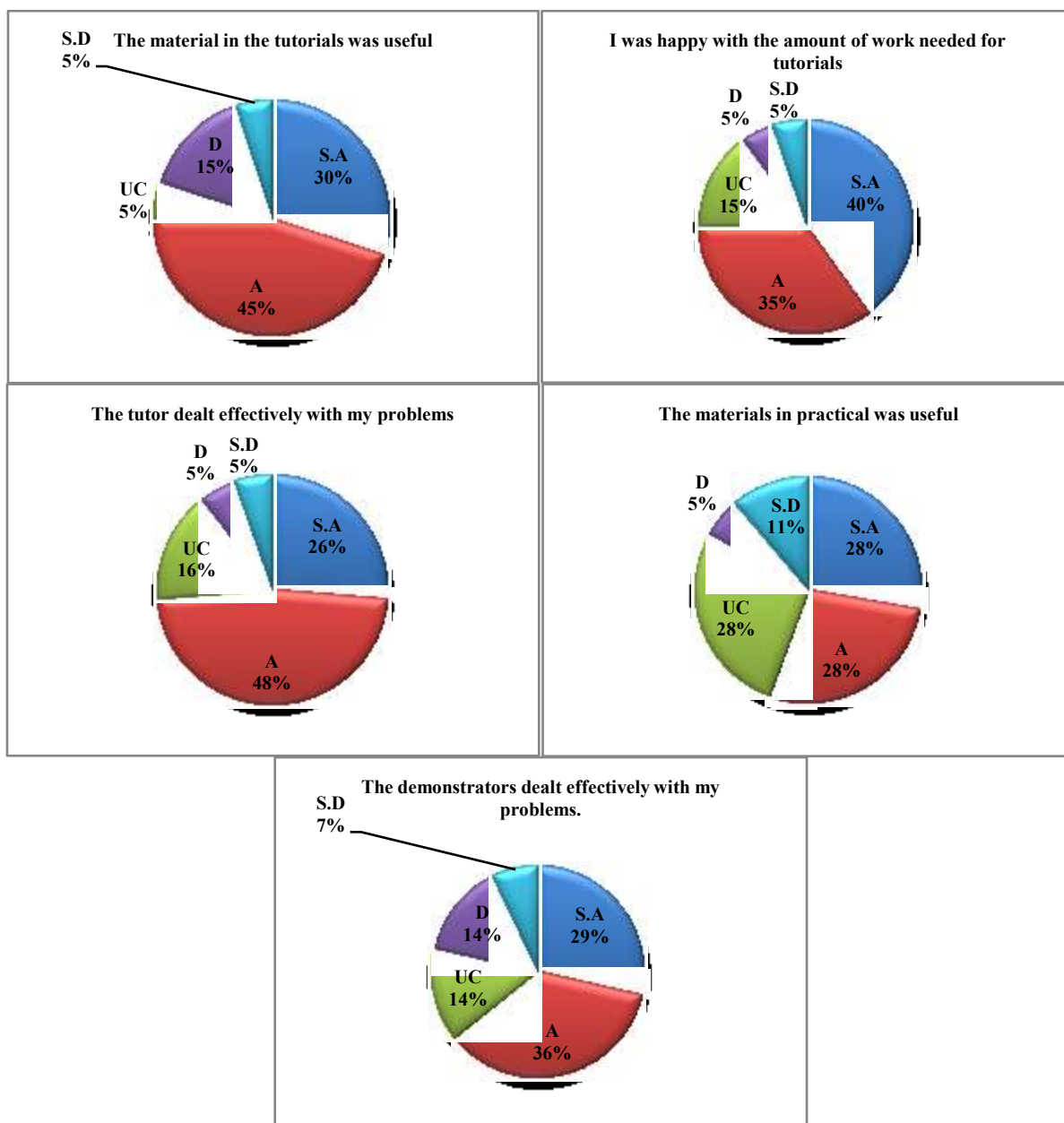


The instructor was responsive to student needs and problems



Had the instructor been regular throughout the course?





General Comments of Students about this course:

Strengths :

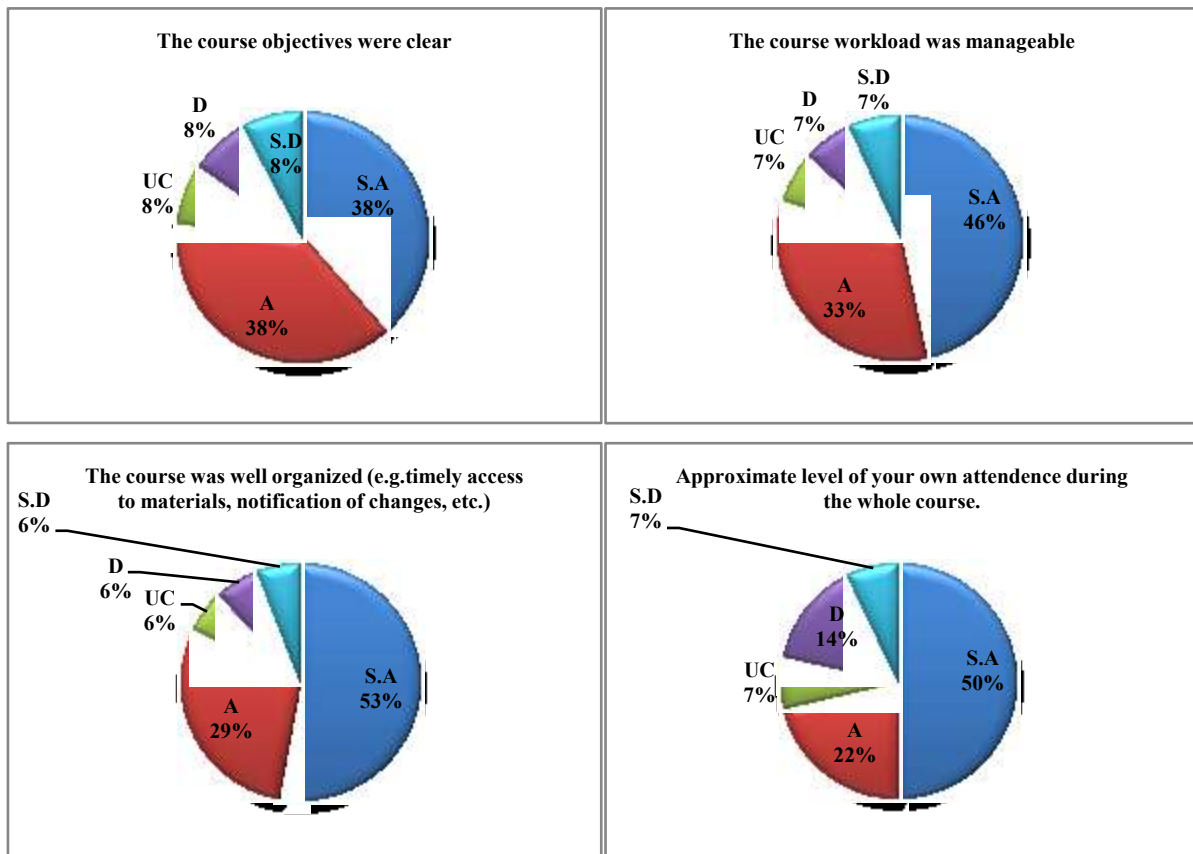
- Effective teaching
- Learning material was good

Weaknesses:

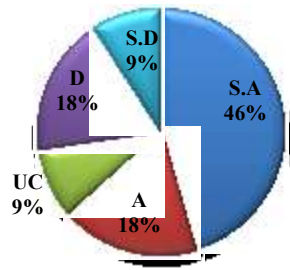
- Extra Course Load

CS-335 (Mr. Syed Mushhad Gillani)

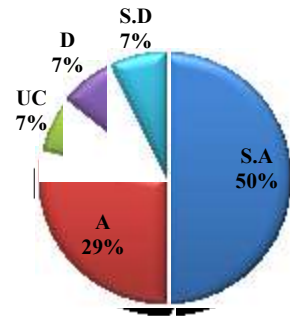
The graph shows that 38% of the students strongly agreed that course objectives are clear. The 38% agreed with the notion while, 8% are uncertain, 8% of the students do not agree and 8% strongly disagreed. The course load was manageable as 46% of the students strongly agreed and 33% of the students agreed while, 7% are uncertain, 7% of the students do not agree and 7% strongly disagreed. The course material was well organized this is strongly agreed by 53% of the students and 29% of the students agreed while, 6% are uncertain, 6% of the students do not agree and 6% strongly disagreed. The approximate level of attendance of the teacher during the course was good, it is agreed by 50% of the students and 22% strongly agreed while, 7% are uncertain, 14% of the students do not agree and 7% strongly disagreed. The learning and teaching method of the teacher encouraged the participants; this is agreed by 42% of the students and strongly agreed by 25% of the students while, 17% are uncertain, 8% of the students do not agree and 8% strongly disagreed with the concept.



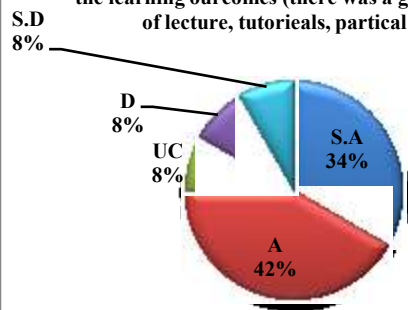
I participated actively in the course



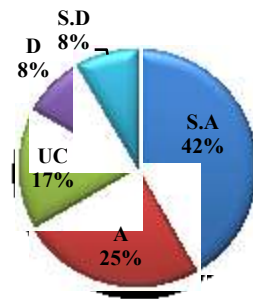
I think I have made progress in this course



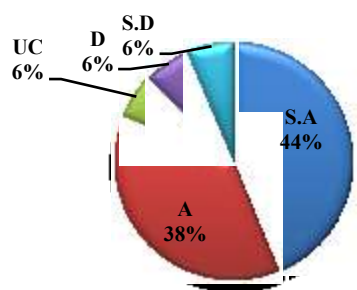
I think the course was well constructed to achieve the learning outcomes (there was a good balance of lecture, tutorials, practical etc.)



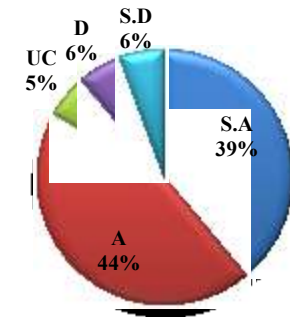
The learning and teaching methods encouraged participation.



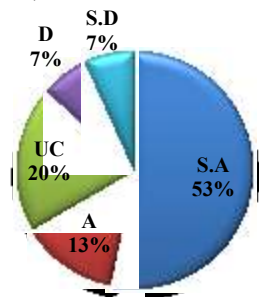
The overall environment in the class was conducive to learning.



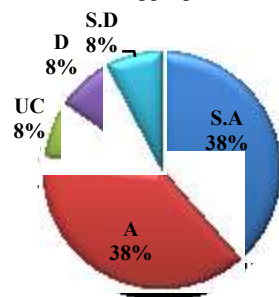
Classrooms were satisfactory



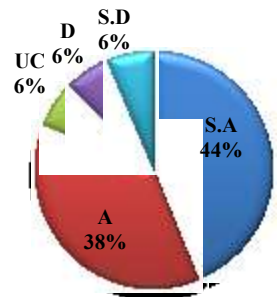
Learning materials (lesson plans, course notes etc.) were relevant and useful.



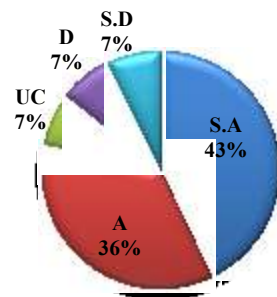
Recommended reading books etc. were relevant and appropriate.



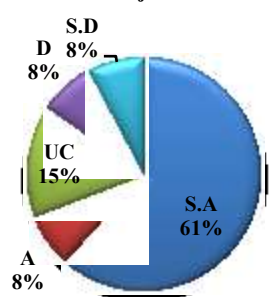
The provision of learning resources in the library was adequate and appropriate.



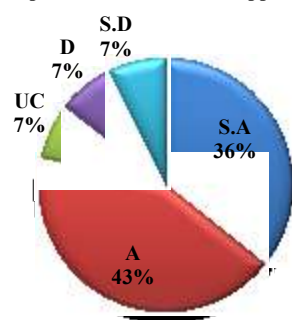
The provision of learning resources on the web was adequate and appropriate. (if relevant)



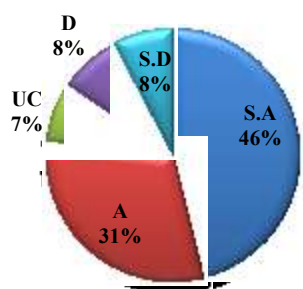
The course stimulated by interest and thought on the subject area.



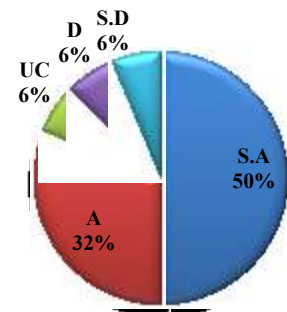
The pace of the course was appropriate



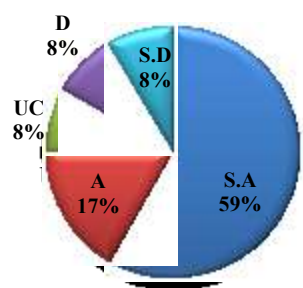
Ideas and concepts were presented clearly



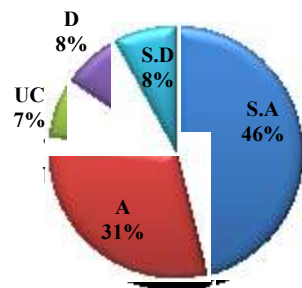
The method of assessment were reasonable



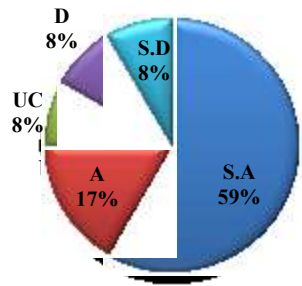
Feedback on assessment was timely



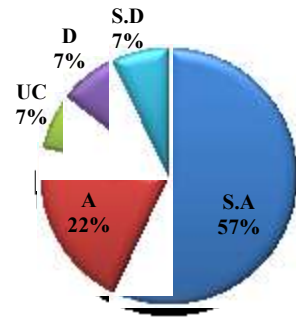
Feedback on assessment was helpful



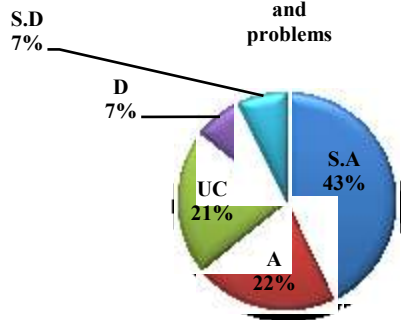
I understood the lectures



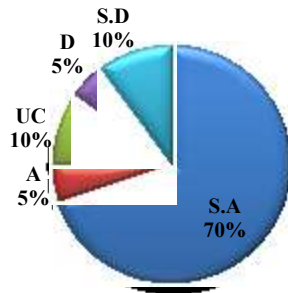
The material was well organized and presented



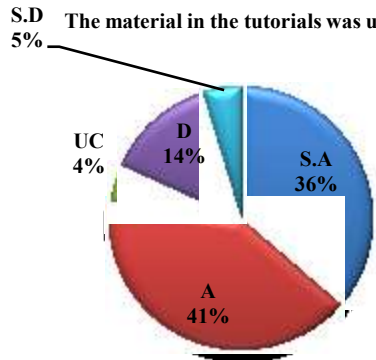
The instructor was responsive to student needs and problems



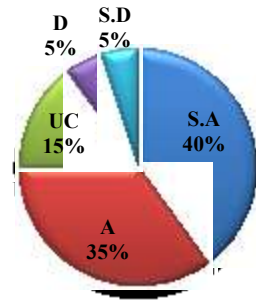
Had the instructor been regular throughout the course?

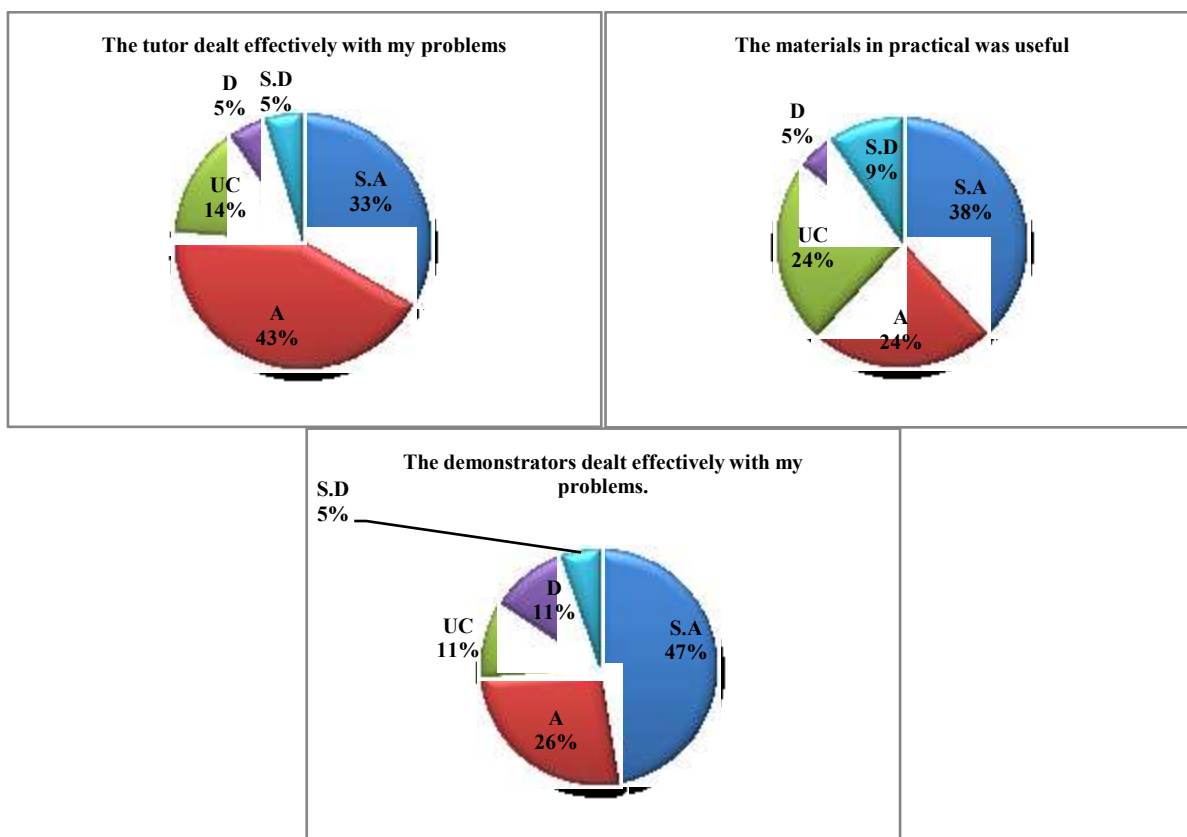


The material in the tutorials was useful



I was happy with the amount of work needed for tutorials





General Comments of Students about this course:

Strengths :

- Taught well
- Well organized material
- Effective teaching method

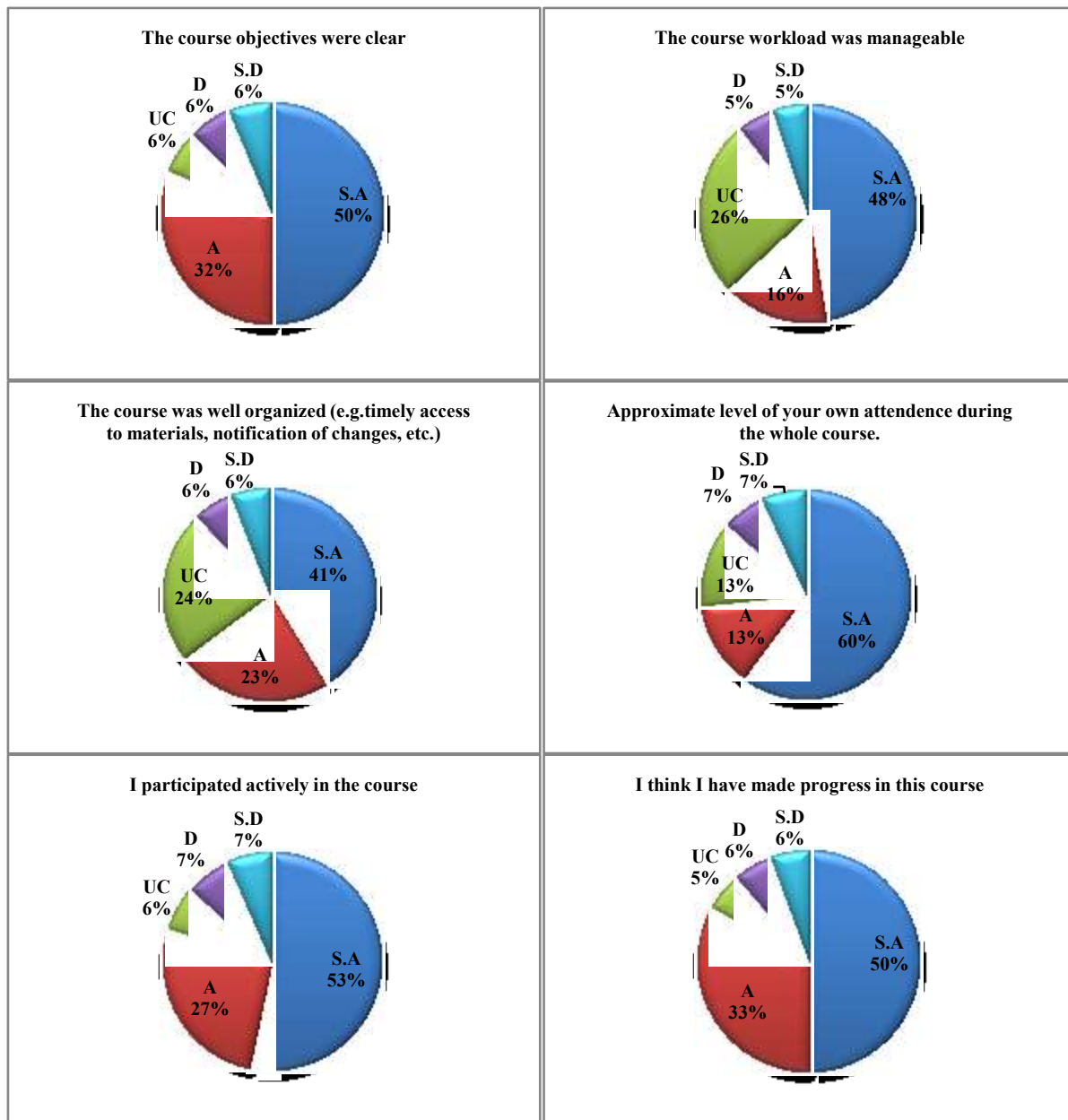
Weaknesses:

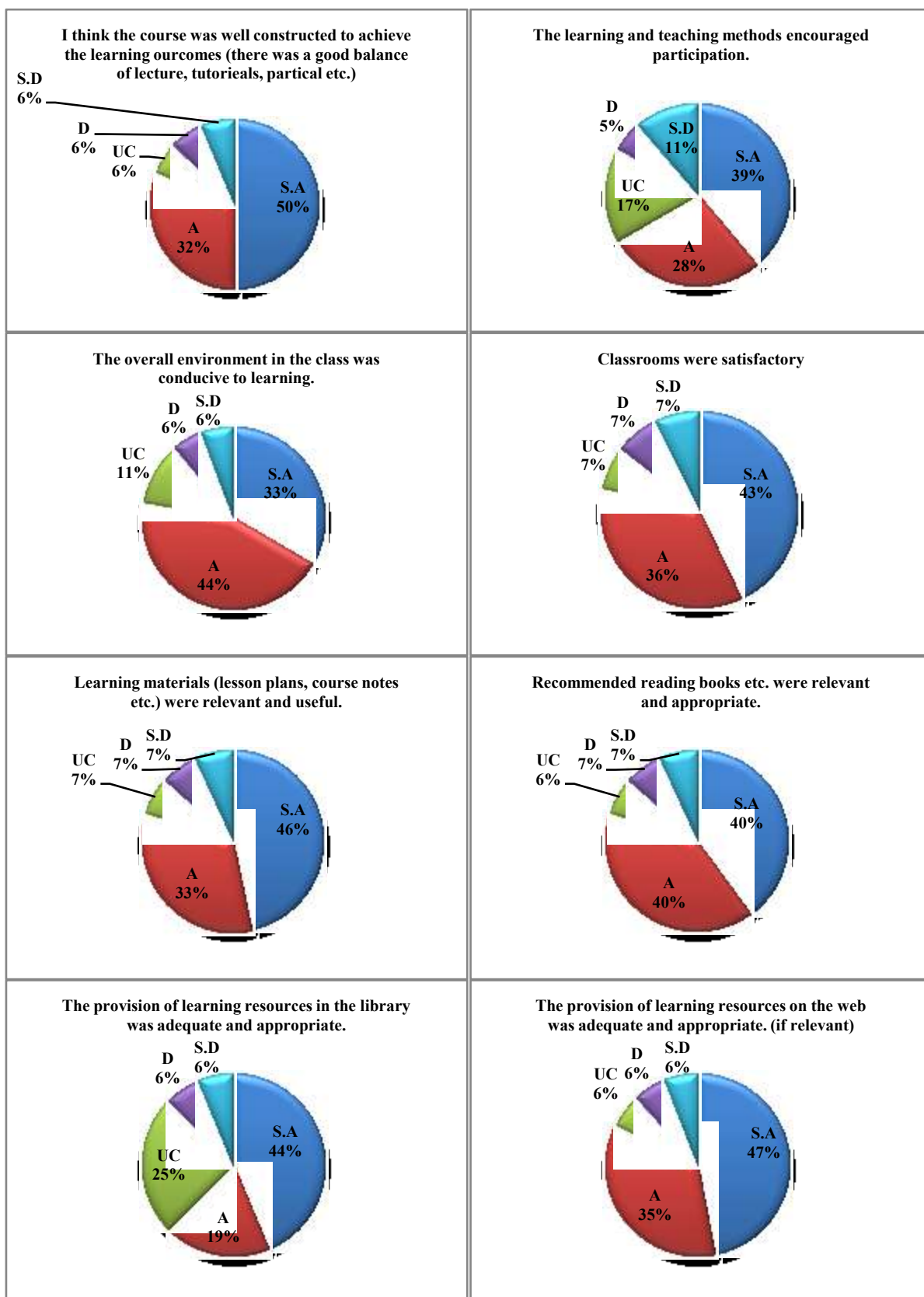
- More practical material needed
- More reference material needed

CS-577 (Mr. Syed Mushhad Gillani)

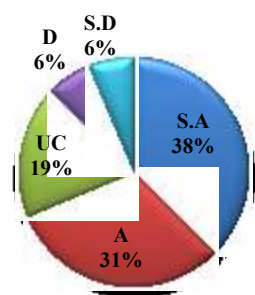
The graph shows that 50% of the students strongly agreed that course objectives are clear. The 32% agreed with the notion while, 6% are uncertain, 6% of the students do not agree and 6% strongly disagreed. The course load was manageable as 48% of the students strongly agreed and 16% of the students agreed while, 26% are uncertain, 5% of the students do not agree and 5% strongly disagreed. The course material was well organized this is strongly agreed by 41% of the students and 23% of the students agreed while, 24% are uncertain, 6% of the students do not

agree and 6% strongly disagreed. The approximate level of attendance of the teacher during the course was good, it is agreed by 60% of the students and 13% strongly agreed while, 13% are uncertain, 7% of the students do not agree and 7% strongly disagreed. The learning and teaching method of the teacher encouraged the participants; this is agreed by 28% of the students and strongly agreed by 39% of the students while, 17% are uncertain, 5% of the students do not agree and 11% strongly disagreed with the concept.

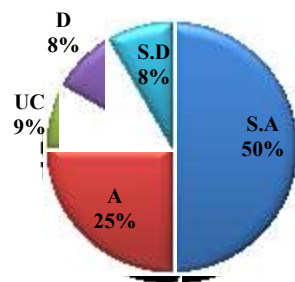




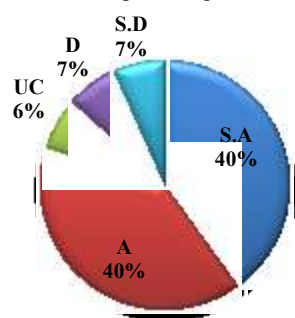
The course stimulated by interest and thought on the subject area.



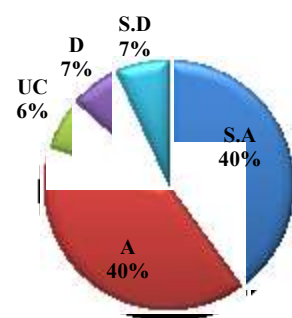
The pace of the course was appropriate



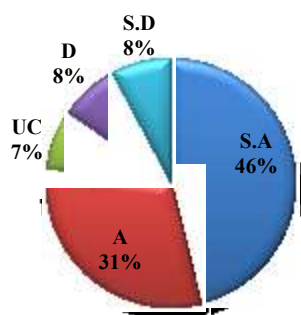
Ideas and concepts were presented clearly



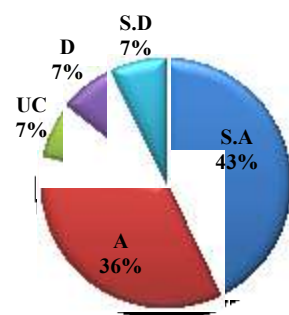
The method of assessment were reasonable



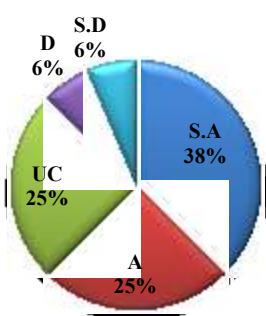
Feedback on assessment was timely



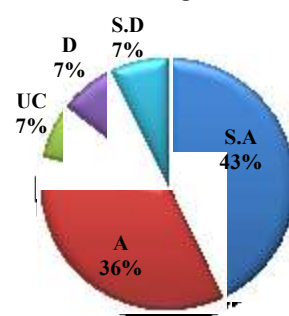
Feedback on assessment was helpful

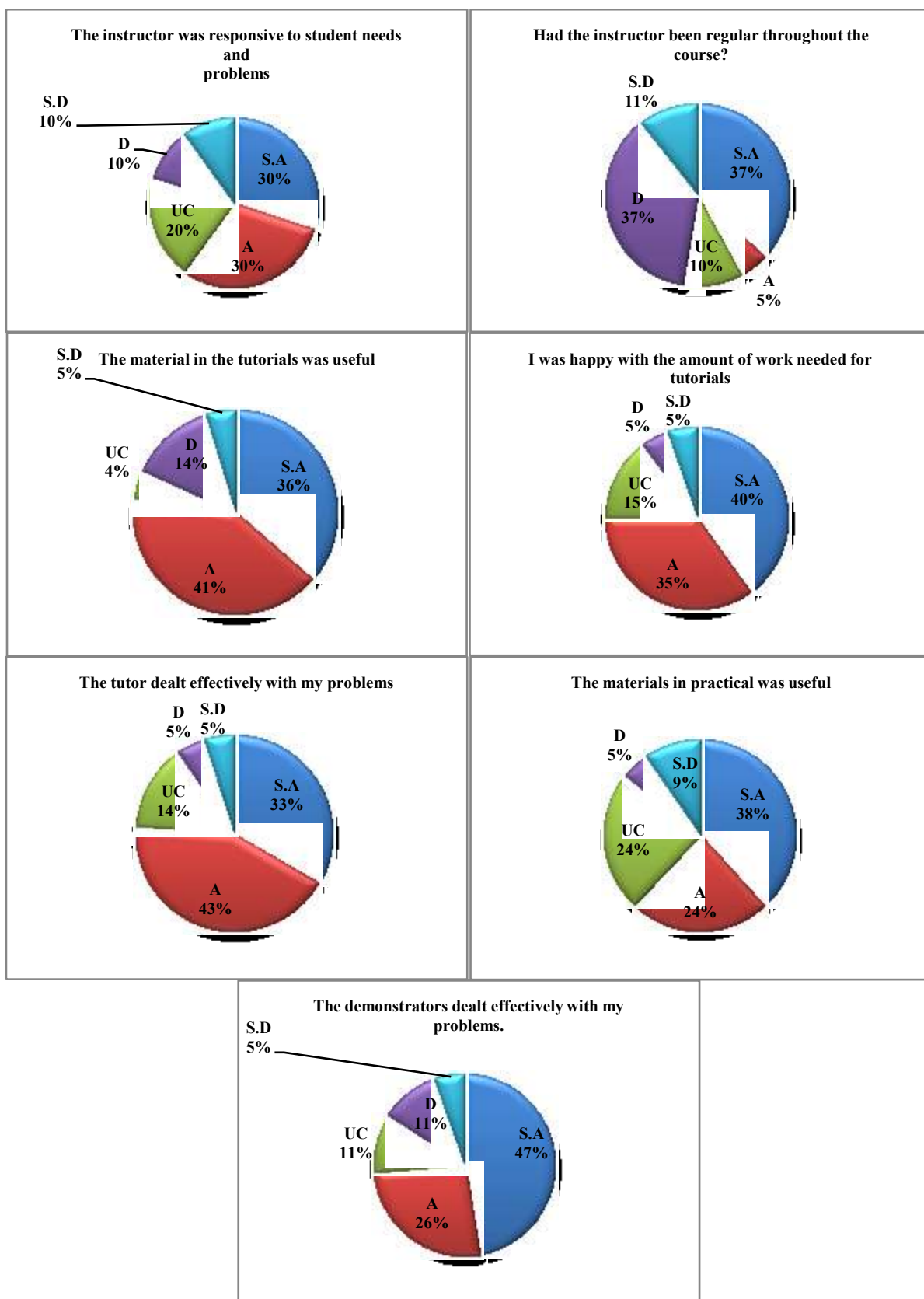


I understood the lectures



The material was well organized and presented





General Comments of Students about this course:

Strengths :

- Objectives well clear
- Good teaching method
- More practical work

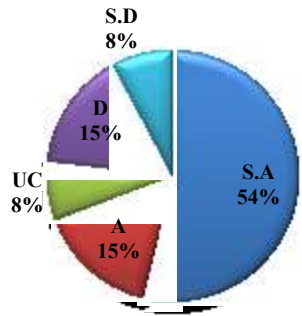
Weaknesses:

- Tutorials should be added

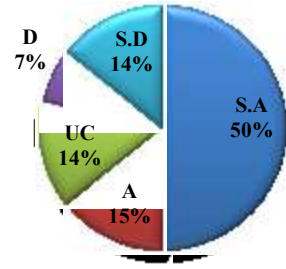
CS-323 (Ms. Bushra Hamid)

The graph shows that 54% of the students strongly agreed that course objectives are clear. The 15% agreed with the notion while, 8% are uncertain, 15% of the students do not agree and 8% strongly disagreed. The course load was manageable as 50% of the students strongly agreed and 15% of the students agreed while, 14% are uncertain, 7% of the students do not agree and 14% strongly disagreed. The course material was well organized this is strongly agreed by 57% of the students and 15% of the students agreed while, 7% are uncertain, 7% of the students do not agree and 14% strongly disagreed. The approximate level of attendance of the teacher during the course was good, it is agreed by 65% of the students and 7% strongly agreed while, 14% are uncertain, 7% of the students do not agree and 7% strongly disagreed. The learning and teaching method of the teacher encouraged the participants; this is agreed by 54% of the students and strongly agreed by 13% of the students while, 13% are uncertain, 7% of the students do not agree and 13% strongly disagreed with the concept.

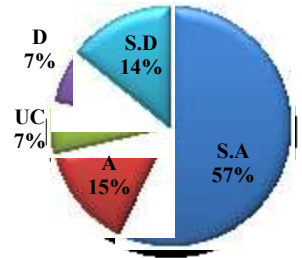
The course objectives were clear



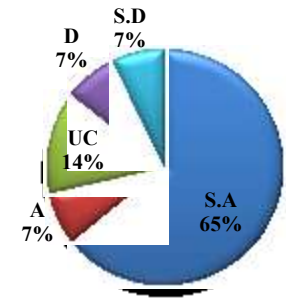
The course workload was manageable



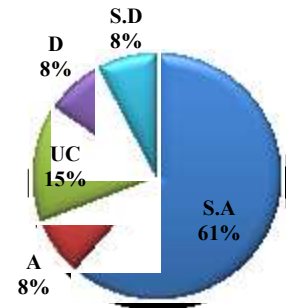
The course was well organized (e.g.timely access to materials, notification of changes, etc.)



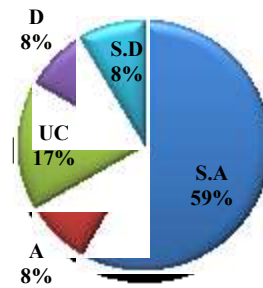
Approximate level of your own attendance during the whole course.



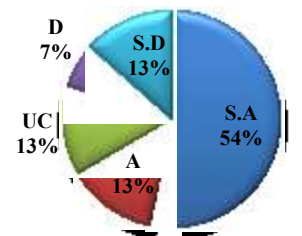
I participated actively in the course



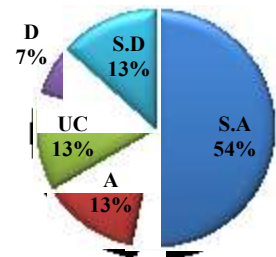
I think I have made progress in this course



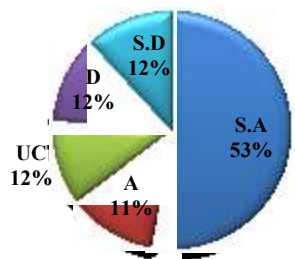
I think the course was well constructed to achieve the learning ourcomes (there was a good balance of lecture, tutorials, partical etc.)



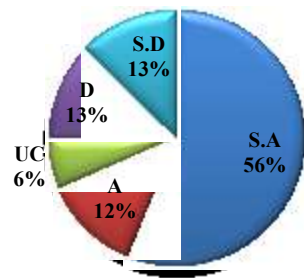
The learning and teaching methods encouraged participation.



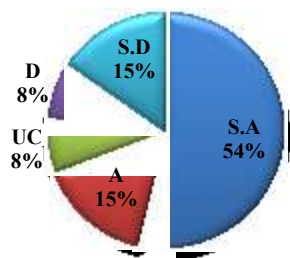
The overall environment in the class was conducive to learning.



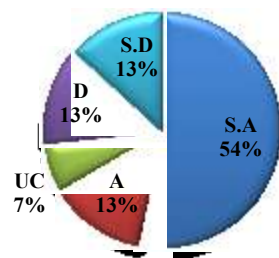
Classrooms were satisfactory



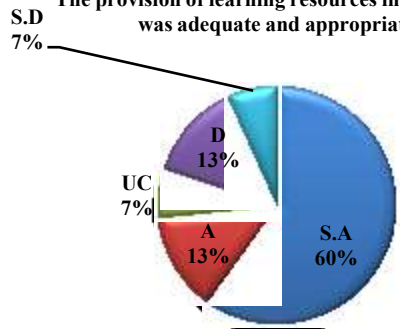
Learning materials (lesson plans, course notes etc.) were relevant and useful.



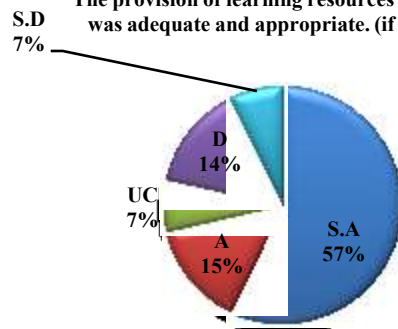
Recommended reading books etc. were relevant and appropriate.



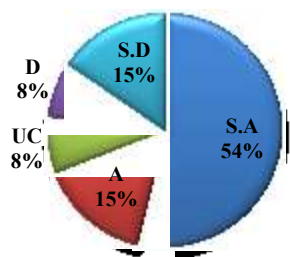
The provision of learning resources in the library was adequate and appropriate.



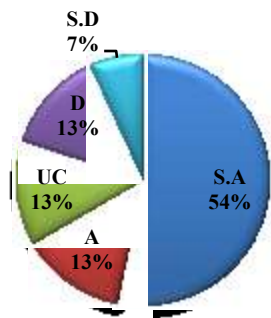
The provision of learning resources on the web was adequate and appropriate. (if relevant)



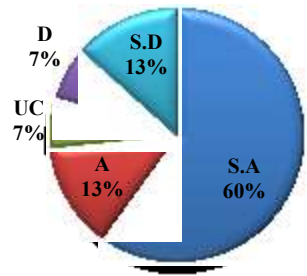
The course stimulated by interest and thought on the subject area.



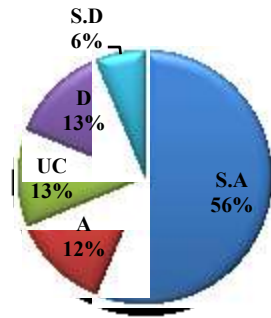
The pace of the course was appropriate



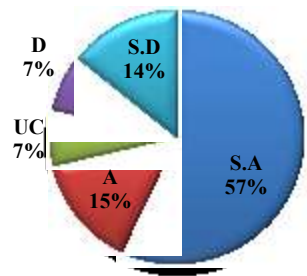
Ideas and concepts were presented clearly



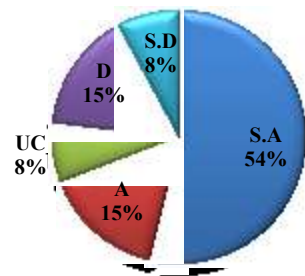
The method of assessment were reasonable



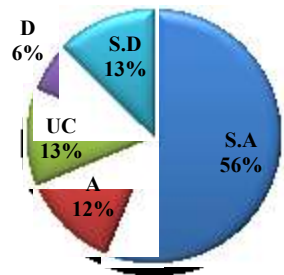
Feedback on assessment was timely



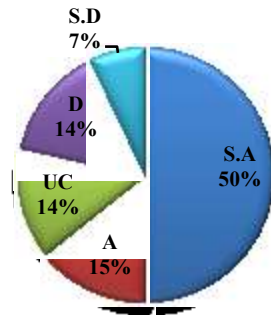
Feedback on assessment was helpful



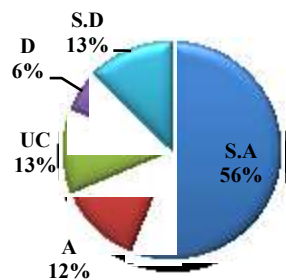
I understood the lectures



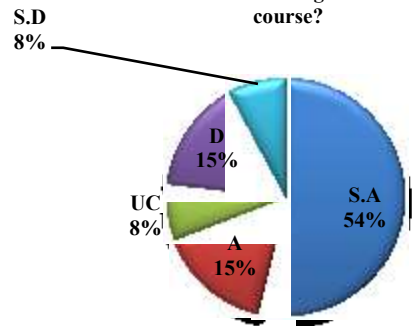
The material was well organized and presented

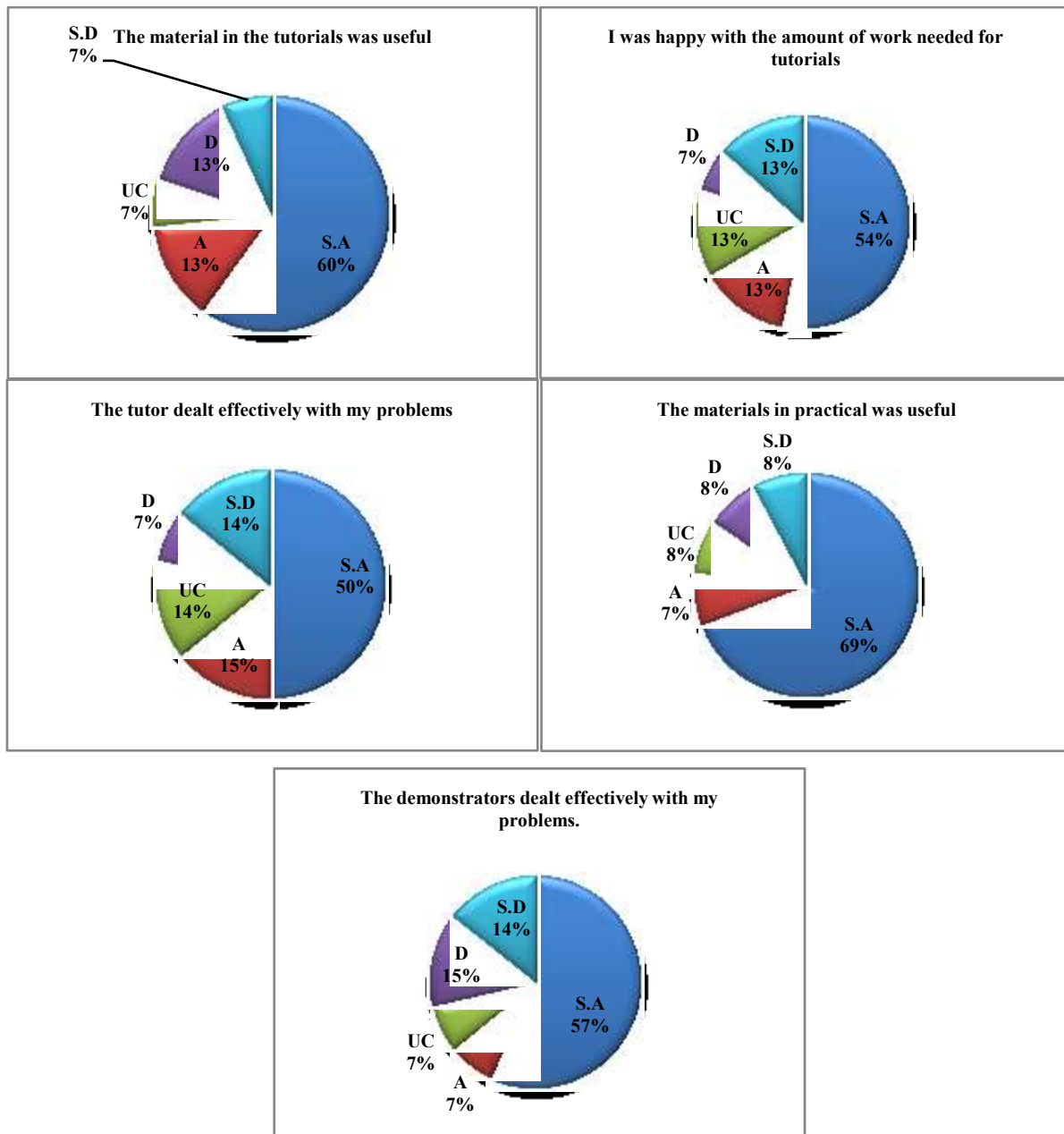


The instructor was responsive to student needs and problems



Had the instructor been regular throughout the course?





General Comments of Students about this course:

Strengths :

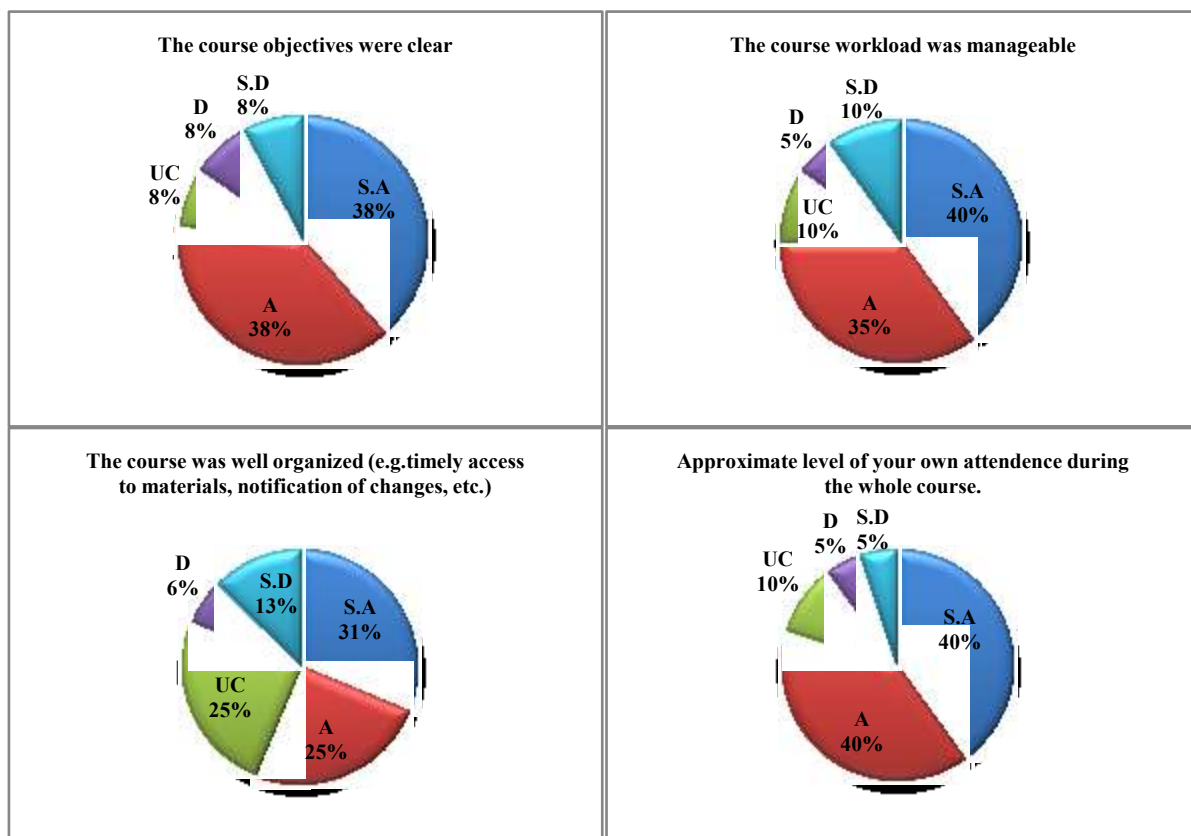
- Objectives well clear
- Good teaching method
- Listen student carefully

Weaknesses:

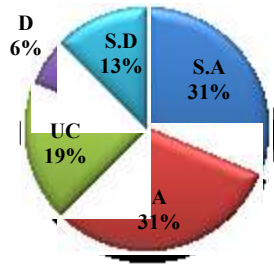
- Tutorials should be added
- More practical examples should be added

CS-582 (Ms. Bushra Hamid)

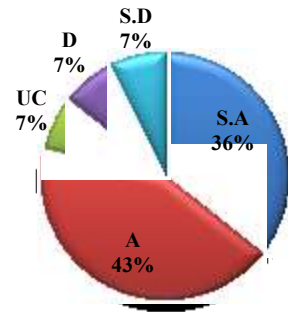
The graph shows that 38% of the students strongly agreed that course objectives are clear. The 38% agreed with the notion while, 8% are uncertain, 8% of the students do not agree and 8% strongly disagreed. The course load was manageable as 40% of the students strongly agreed and 35% of the students agreed while, 10% are uncertain, 5% of the students do not agree and 10% strongly disagreed. The course material was well organized this is strongly agreed by 31% of the students and 25% of the students agreed while, 25% are uncertain, 6% of the students do not agree and 13% strongly disagreed. The approximate level of attendance of the teacher during the course was good, it is agreed by 40% of the students and 40% strongly agreed while, 10% are uncertain, 5% of the students do not agree and 5% strongly disagreed. The learning and teaching method of the teacher encouraged the participants; this is agreed by 27% of the students and strongly agreed by 42% of the students while, 21% are uncertain, 5% of the students do not agree and 5% strongly disagreed with the concept.



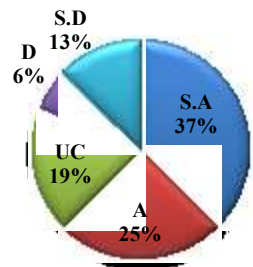
I participated actively in the course



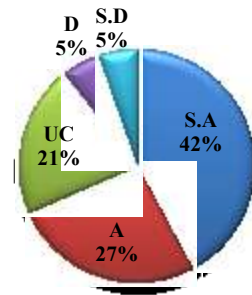
I think I have made progress in this course



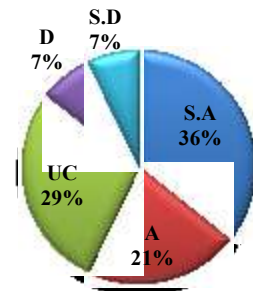
I think the course was well constructed to achieve the learning outcomes (there was a good balance of lecture, tutorials, practical etc.)



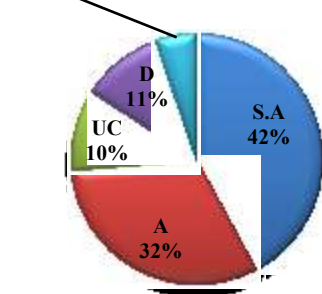
The learning and teaching methods encouraged participation.



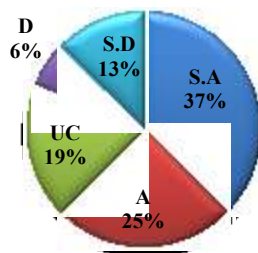
The overall environment in the class was conducive to learning.



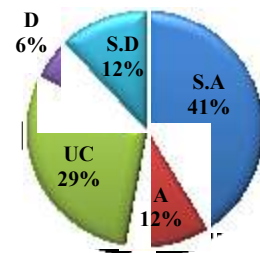
S.D Classrooms were satisfactory



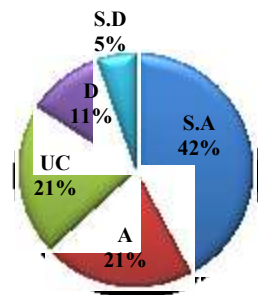
Learning materials (lesson plans, course notes etc.) were relevant and useful.



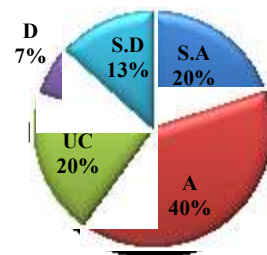
Recommended reading books etc. were relevant and appropriate.



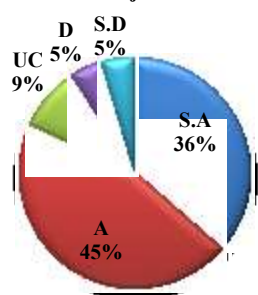
The provision of learning resources in the library was adequate and appropriate.



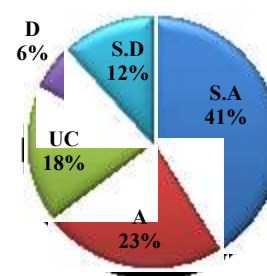
The provision of learning resources on the web was adequate and appropriate. (if relevant)



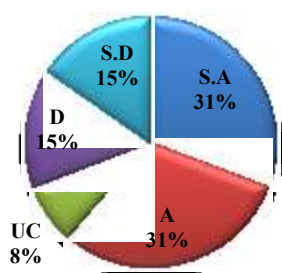
The course stimulated by interest and thought on the subject area.



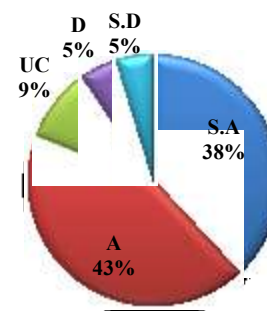
The pace of the course was appropriate



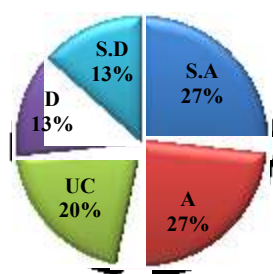
Ideas and concepts were presented clearly



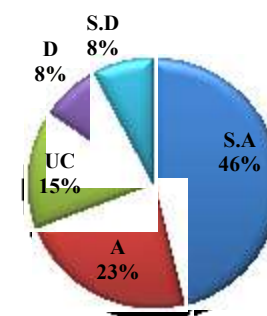
The method of assessment were reasonable



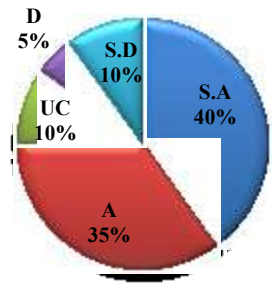
Feedback on assessment was timely



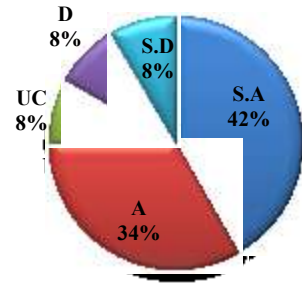
Feedback on assessment was helpful



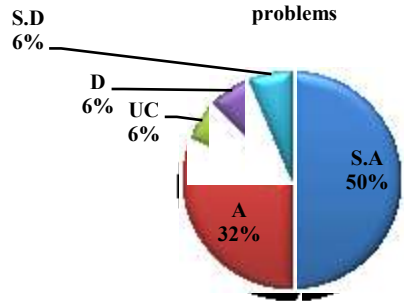
I understood the lectures



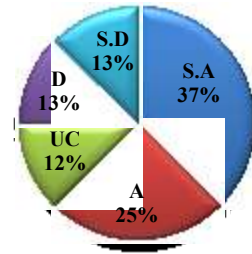
The material was well organized and presented



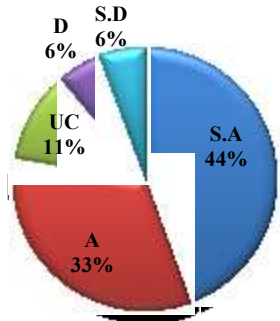
The instructor was responsive to student needs and problems



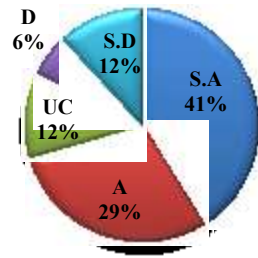
Had the instructor been regular throughout the course?

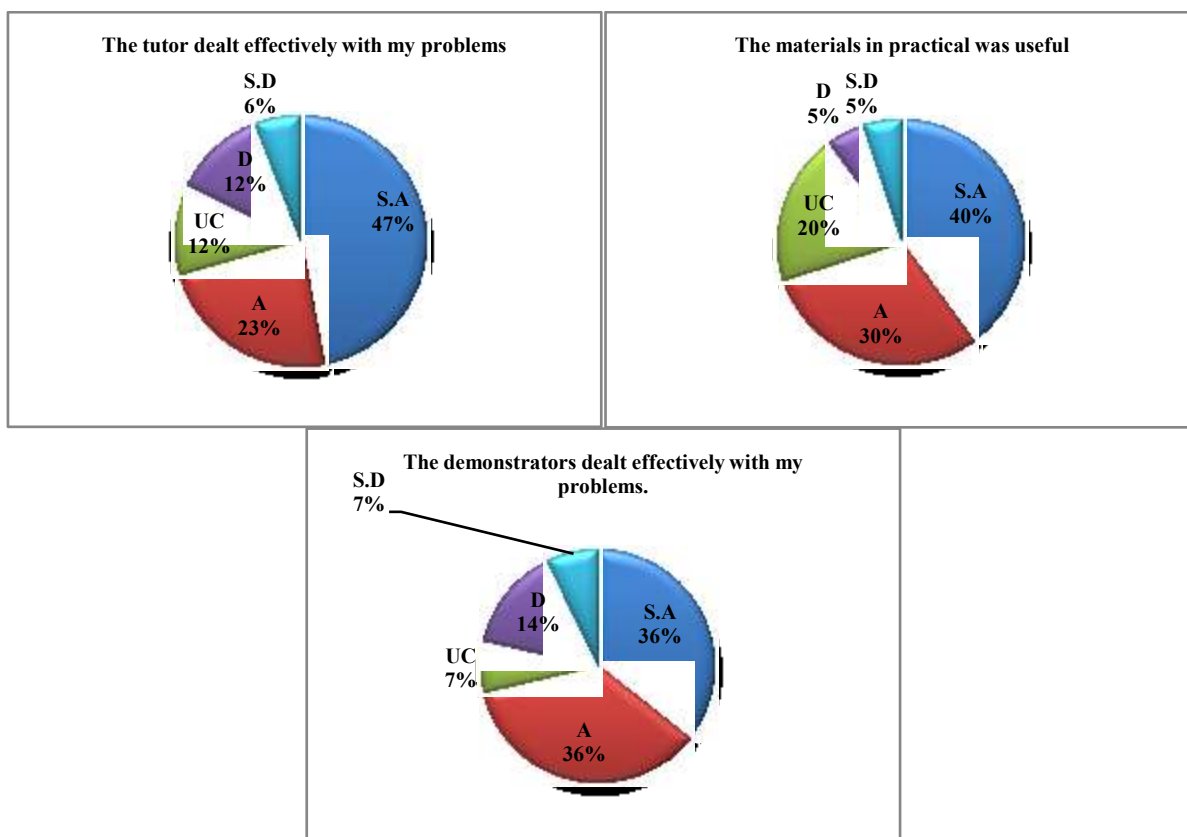


The material in the tutorials was useful



I was happy with the amount of work needed for tutorials





General Comments of Students about this course:

Strengths :

- Well organized
- Good teaching method

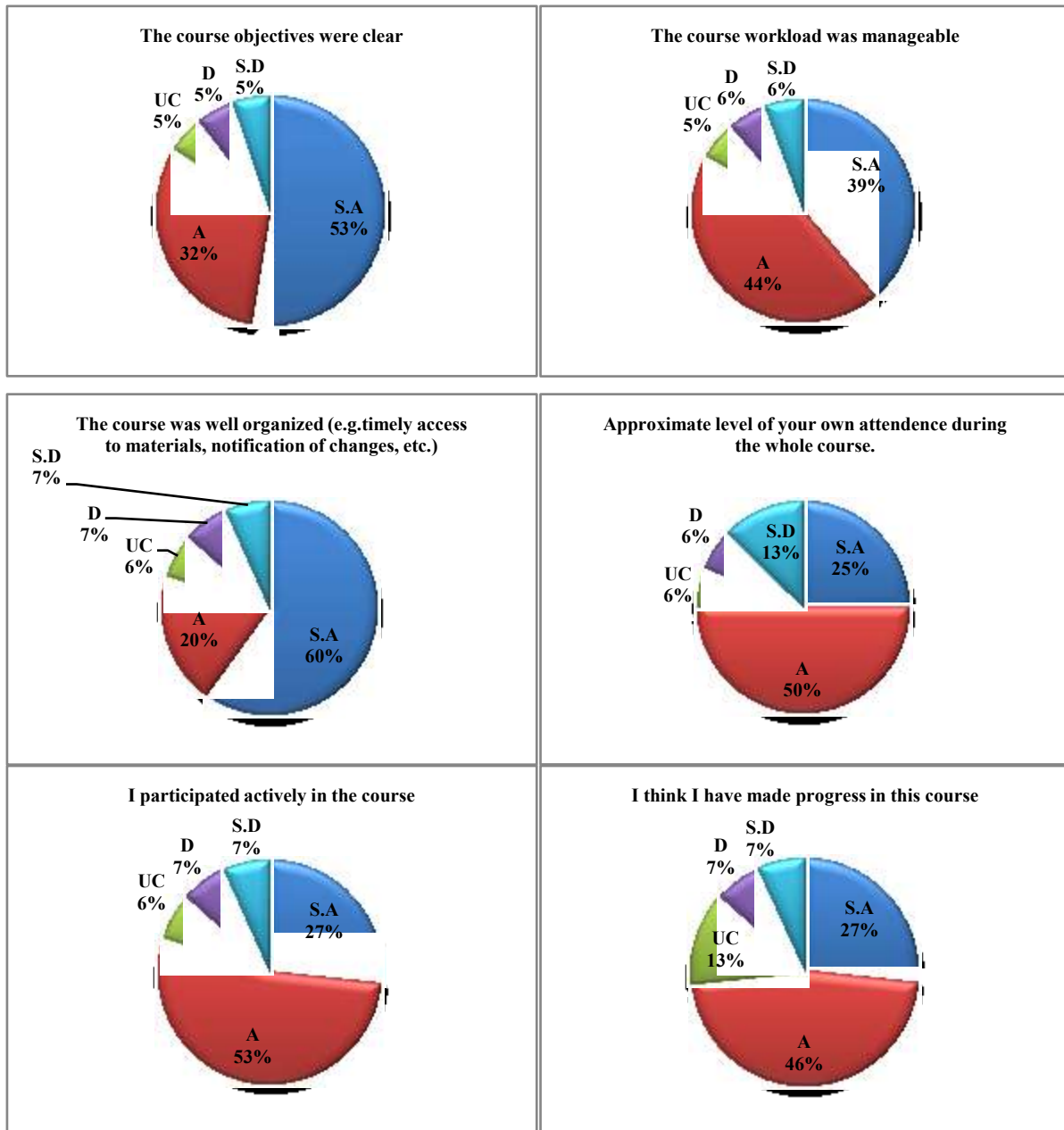
Weaknesses:

- Tutorials should be added
- More practical work

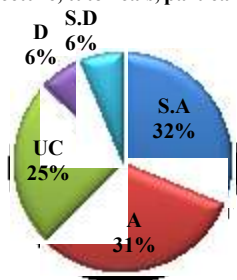
CS- 443 (Muhammad Amjad Iqbal)

The graph shows that 53% of the students strongly agreed that course objectives are clear. The 32% agreed with the notion while, 5% are uncertain, 5% of the students do not agree and 5% strongly disagreed. The course load was manageable as 39% of the students strongly agreed and 44% of the students agreed while, 5% are uncertain, 6% of the students do not agree and 6% strongly disagreed. The course material was well organized this is strongly agreed by 60% of the students and 20% of the students agreed while, 6% are uncertain, 7% of the students do not agree and 7% strongly disagreed. The approximate level of attendance of the teacher during the course

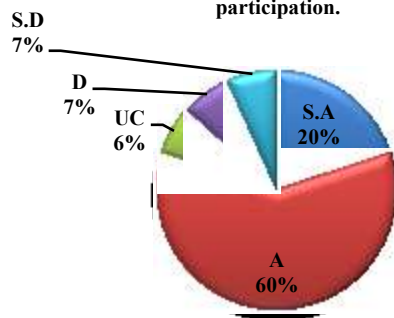
was good, it is agreed by 50% of the students and 25% strongly agreed while, 6% are uncertain, 6% of the students do not agree and 13% strongly disagreed. The learning and teaching method of the teacher encouraged the participants; this is agreed by 60% of the students and strongly agreed by 20% of the students while, 6% are uncertain, 7% of the students do not agree and 7% strongly disagreed with the concept.



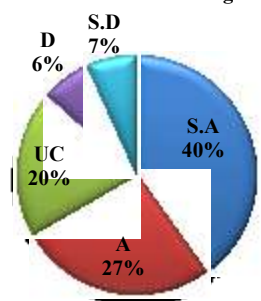
I think the course was well constructed to achieve the learning outcomes (there was a good balance of lecture, tutorials, practical etc.)



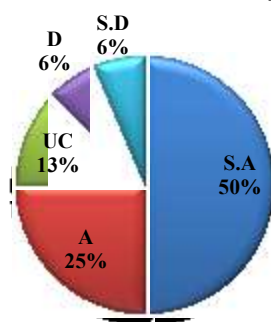
The learning and teaching methods encouraged participation.



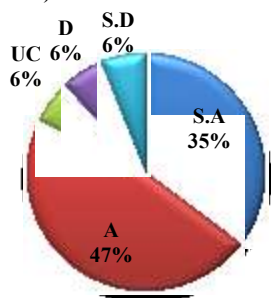
The overall environment in the class was conducive to learning.



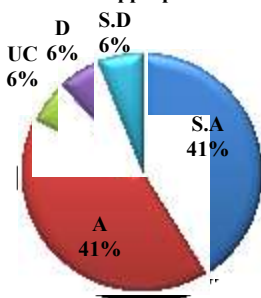
Classrooms were satisfactory



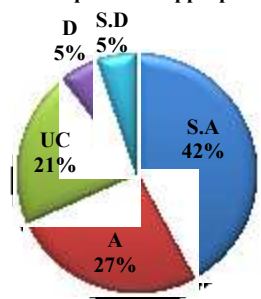
Learning materials (lesson plans, course notes etc.) were relevant and useful.



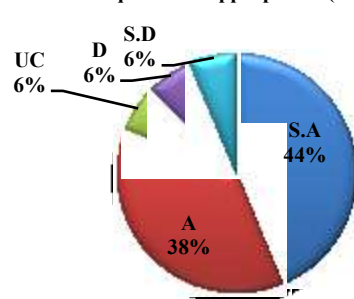
Recommended reading books etc. were relevant and appropriate.



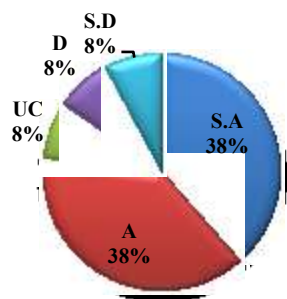
The provision of learning resources in the library was adequate and appropriate.



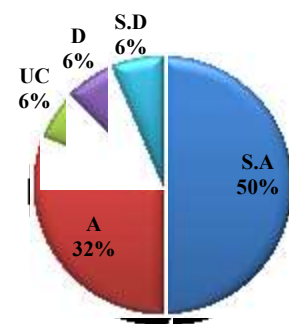
The provision of learning resources on the web was adequate and appropriate. (if relevant)



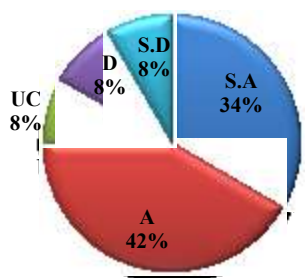
The course stimulated by interest and thought on the subject area.



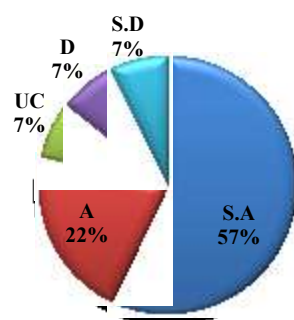
The pace of the course was appropriate



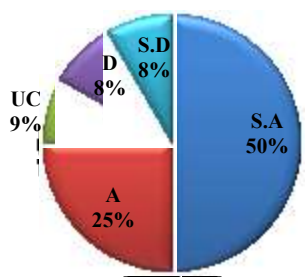
Ideas and concepts were presented clearly



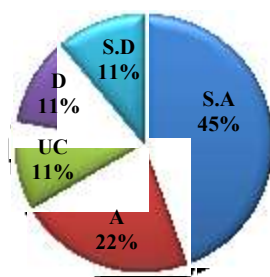
The method of assessment were reasonable



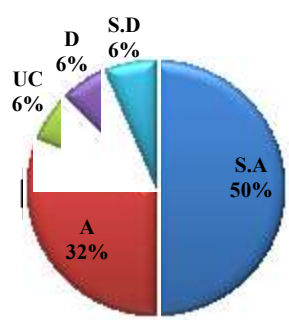
Feedback on assessment was timely



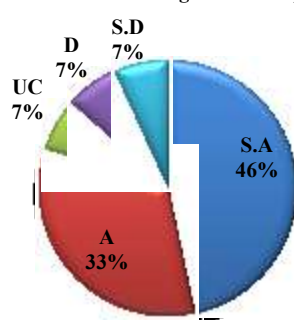
Feedback on assessment was helpful

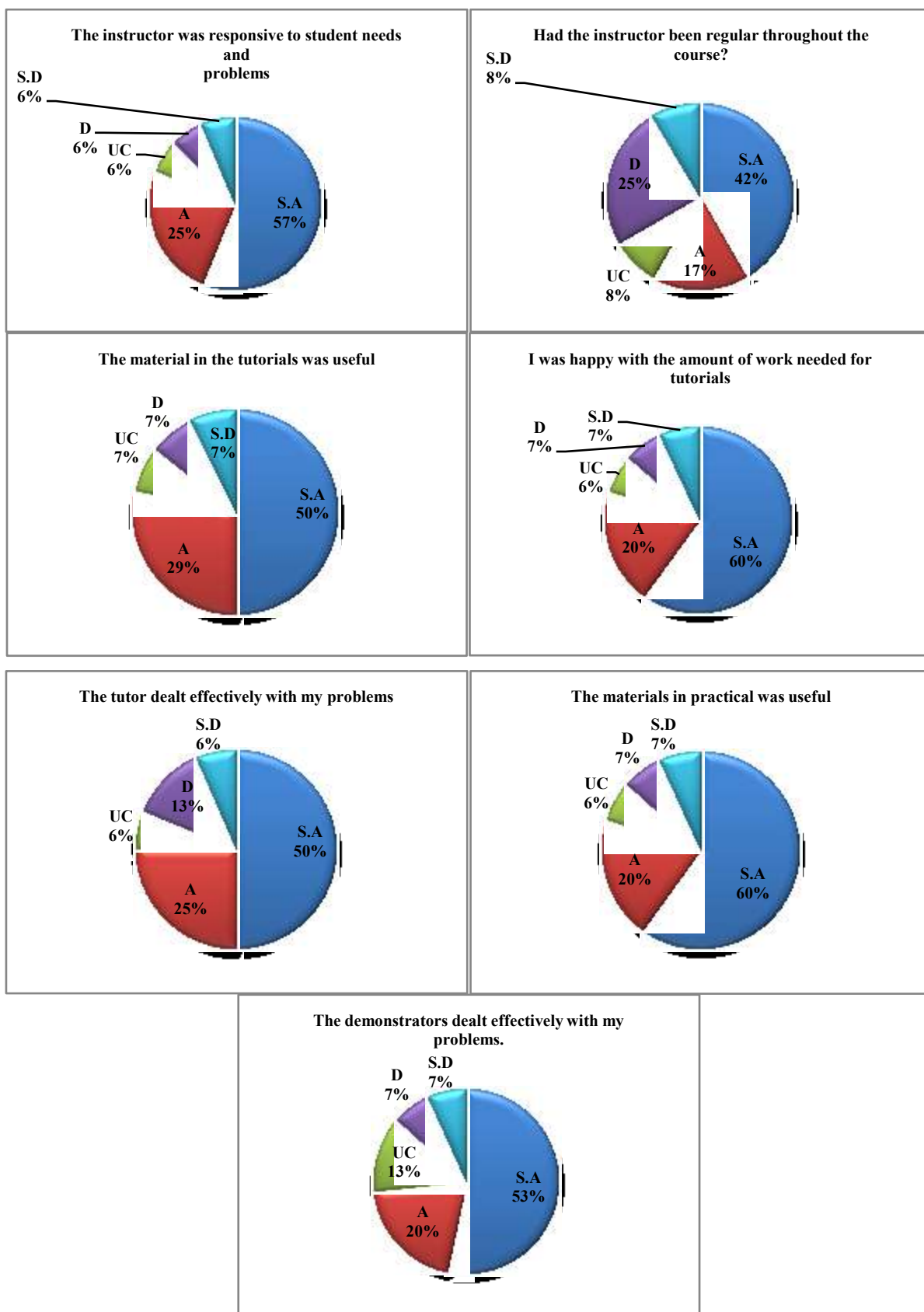


I understood the lectures



The material was well organized and presented





General Comments of Students about this course:

Strengths :

- Understanding of the course
- Clear Objectives
- Well organized material

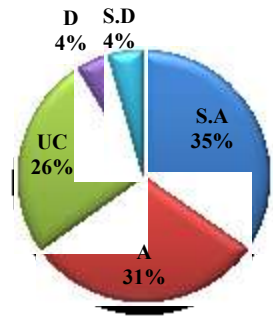
Weaknesses:

- More practical material should be added

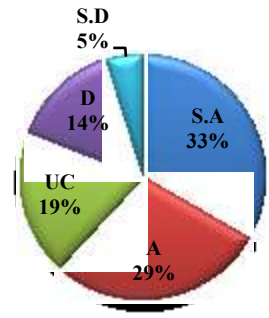
CS-552 (Mr. Yasir Hafeez)

The graph shows that 35% of the students strongly agreed that course objectives are clear. The 31% agreed with the notion while, 26% are uncertain, 4% of the students do not agree and 4% strongly disagreed. The course load was manageable as 33% of the students strongly agreed and 29% of the students agreed while, 19% are uncertain, 14% of the students do not agree and 5% strongly disagreed. The course material was well organized this is strongly agreed by 28% of the students and 38% of the students agreed while, 24% are uncertain, 5% of the students do not agree and 5% strongly disagreed. The approximate level of attendance of the teacher during the course was good, it is agreed by 9% of the students and 37% strongly agreed while, 18% are uncertain, 27% of the students do not agree and 9% strongly disagreed. The learning and teaching method of the teacher encouraged the participants; this is agreed by 30% of the students and strongly agreed by 30% of the students while, 20% are uncertain, 5% of the students do not agree and 15% strongly disagreed with the concept.

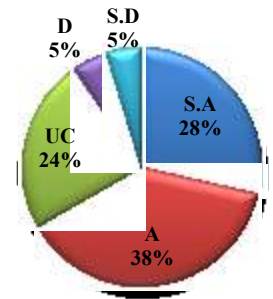
The course objectives were clear



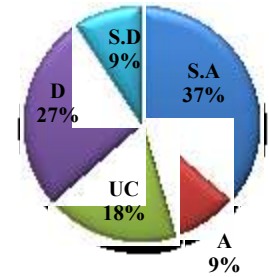
The course workload was manageable



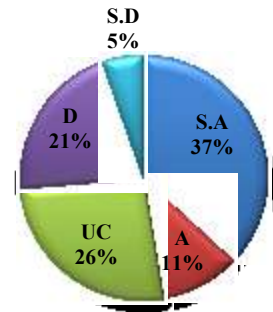
The course was well organized (e.g.timely access to materials, notification of changes, etc.)



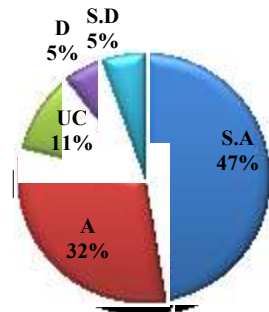
Approximate level of your own attendance during the whole course.



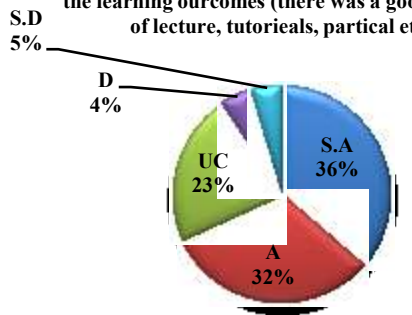
I participated actively in the course



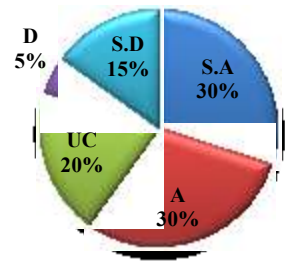
I think I have made progress in this course

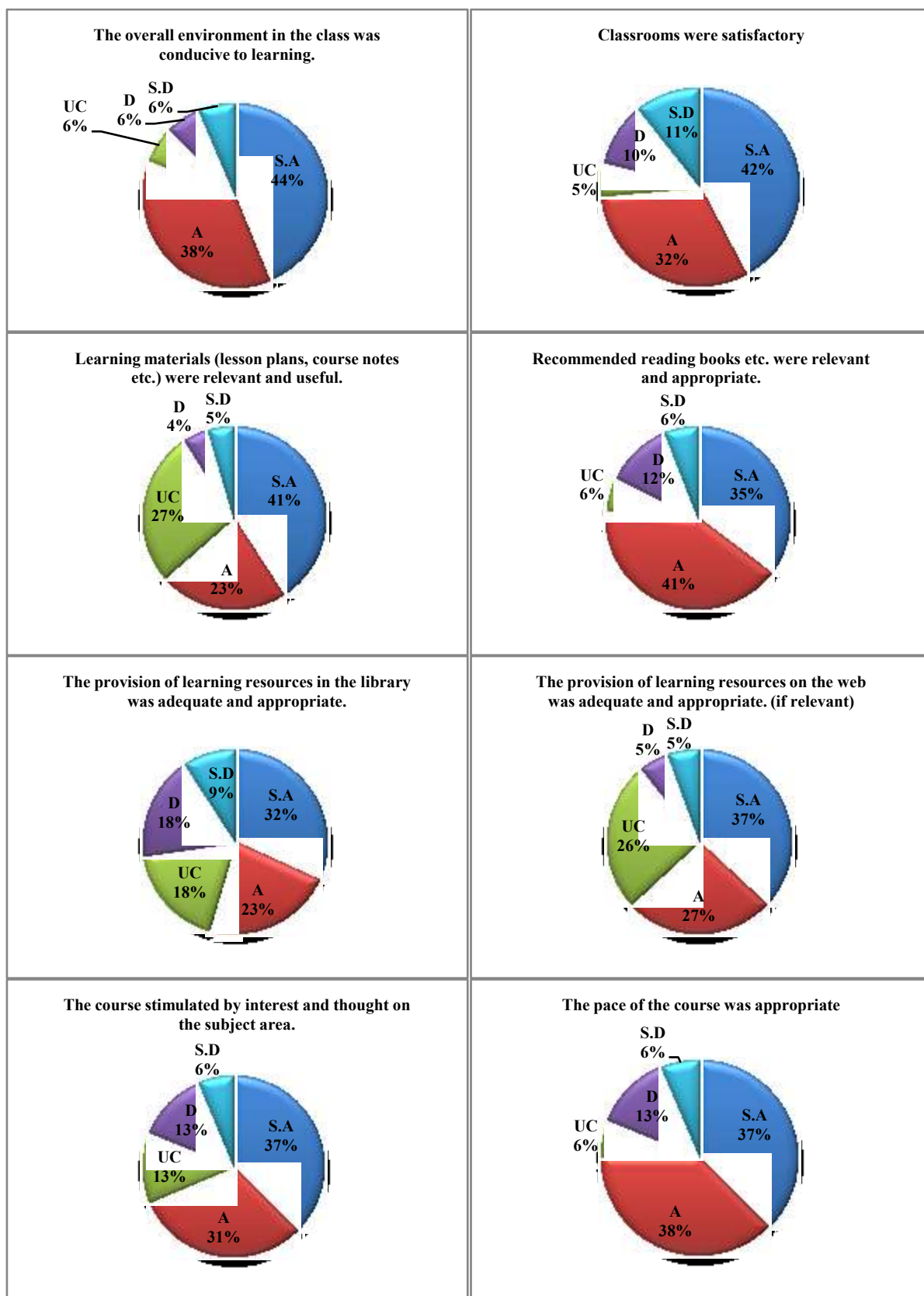


I think the course was well constructed to achieve the learning outcomes (there was a good balance of lecture, tutorials, partical etc.)

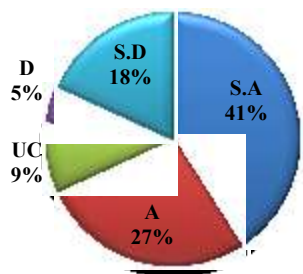


The learning and teaching methods encouraged participation.

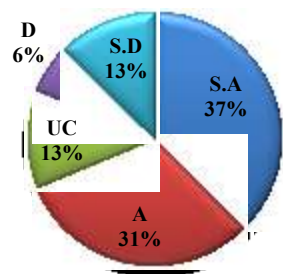




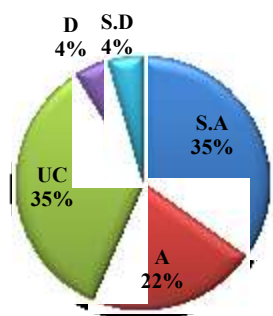
Ideas and concepts were presented clearly



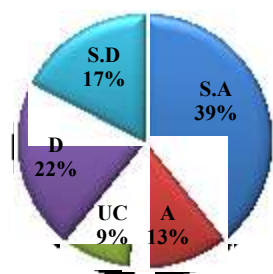
The method of assessment were reasonable



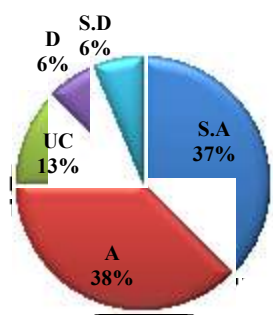
Feedback on assessment was timely



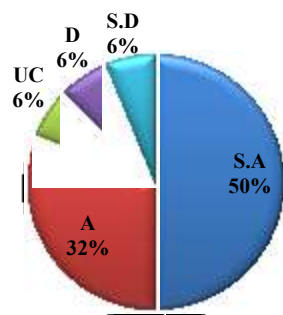
Feedback on assessment was helpful



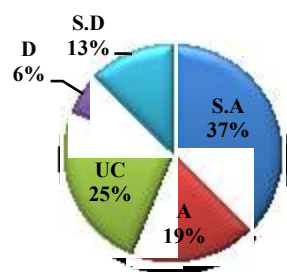
I understood the lectures



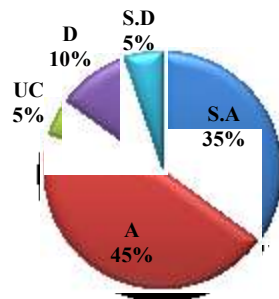
The material was well organized and presented

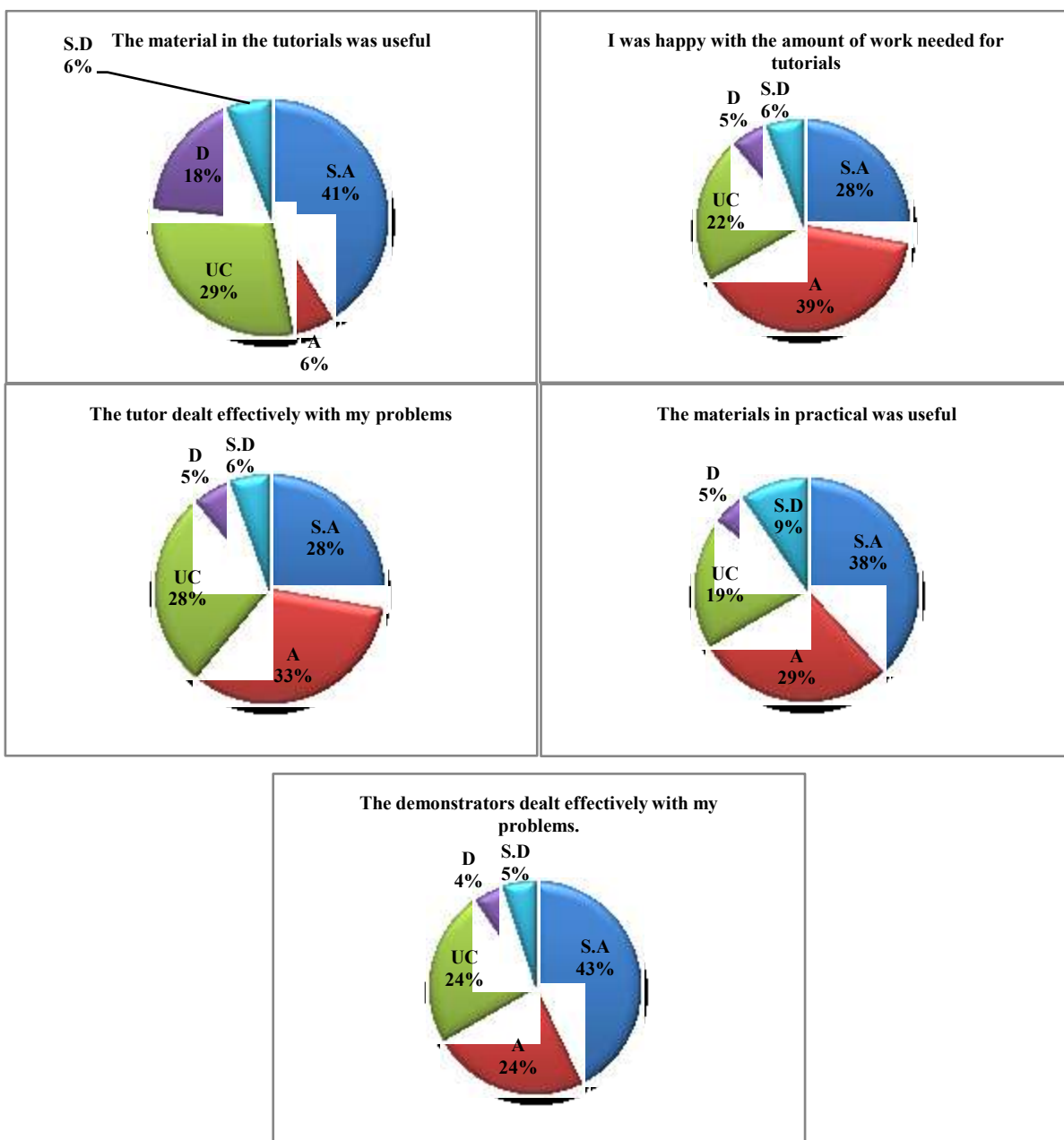


The instructor was responsive to student needs and problems



Had the instructor been regular throughout the course?





General Comments of Students about this course:

Strengths :

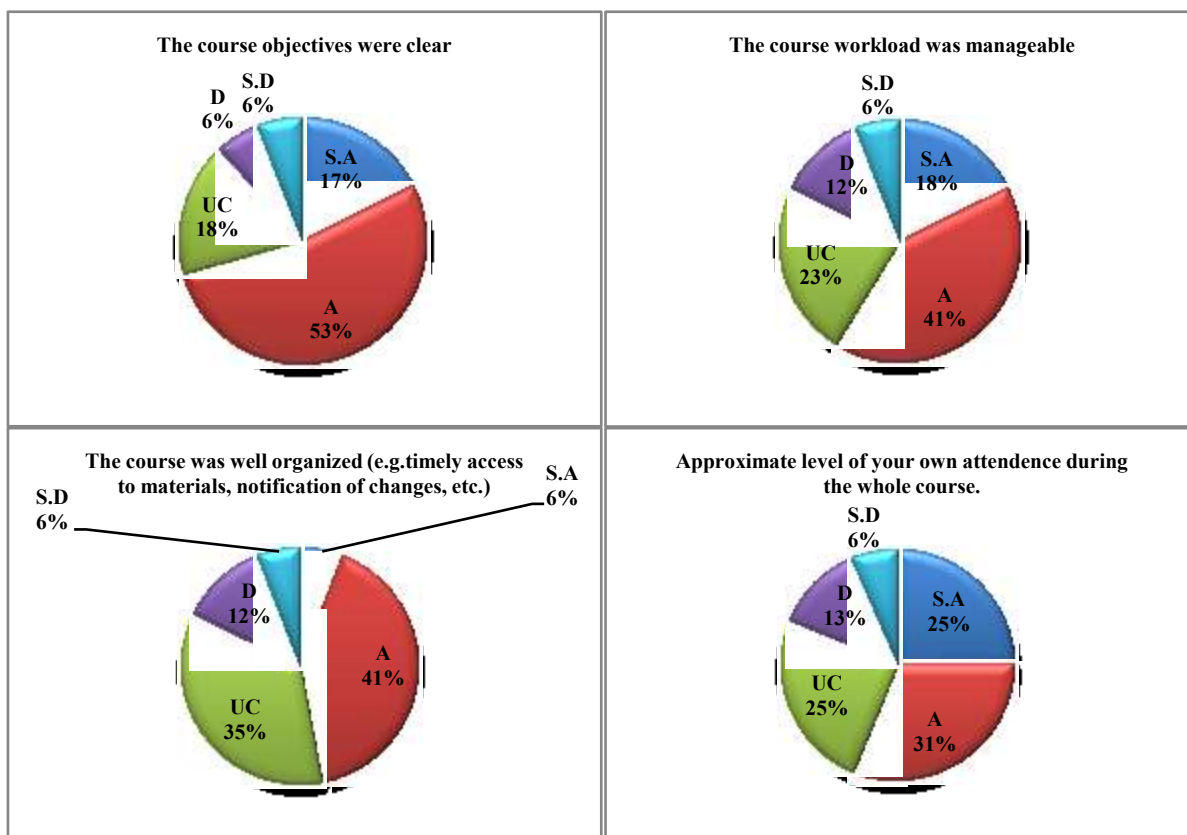
- Conducive environment in class
- Good communication with students
- Well organized material

Weaknesses:

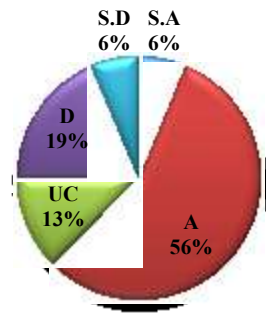
- Tutorials should be added
- More practical material should be added

CS-582 (Mr. Nasir Mehmood Minhas)

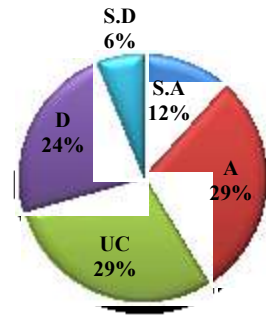
The graph shows that 17% of the students strongly agreed that course objectives are clear. The 53% agreed with the notion while, 18 % are uncertain, 6% of the students do not agree and 6% strongly disagreed. The course load was manageable as 18% of the students strongly agreed and 41% of the students agreed while, 23% are uncertain, 12% of the students do not agree and 6% strongly disagreed. The course material was well organized this is strongly agreed by 6% of the students and 41% of the students agreed while, 35% are uncertain, 12% of the students do not agree and 6% strongly disagreed. The approximate level of attendance of the teacher during the course was good, it is agreed by 31% of the students and 25% strongly agreed while, 25% are uncertain, 13% of the students do not agree and 6% strongly disagreed. The learning and teaching method of the teacher encouraged the participants; this is agreed by 24% of the students and strongly agreed by 29% while, 35% are uncertain, 6% of the students do not agree and 6% strongly disagreed of the students with the concept.



I participated actively in the course

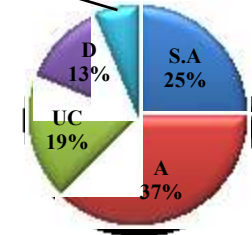


I think I have made progress in this course

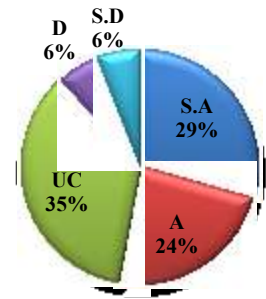


I think the course was well constructed to achieve the learning outcomes (there was a good balance of lecture, tutorials, practical etc.)

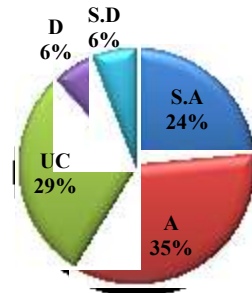
S.D
6%



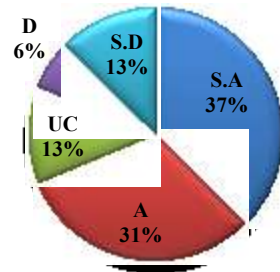
The learning and teaching methods encouraged participation.



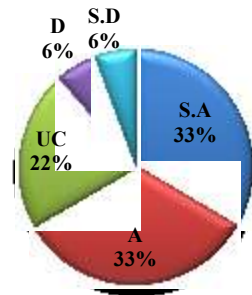
The overall environment in the class was conducive to learning.



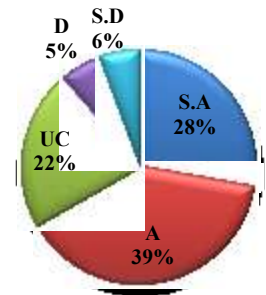
Classrooms were satisfactory



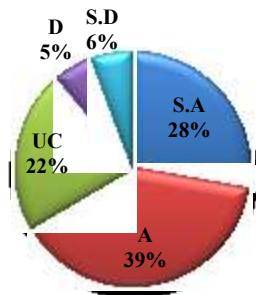
Learning materials (lesson plans, course notes etc.) were relevant and useful.



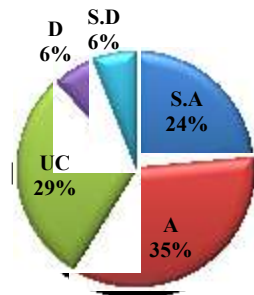
Recommended reading books etc. were relevant and appropriate.



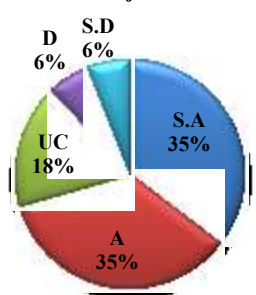
The provision of learning resources in the library was adequate and appropriate.



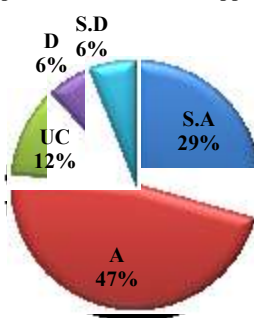
The provision of learning resources on the web was adequate and appropriate. (if relevant)



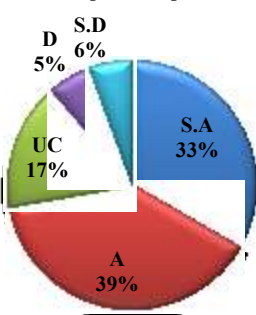
The course stimulated by interest and thought on the subject area.



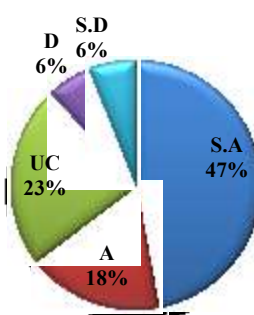
The pace of the course was appropriate



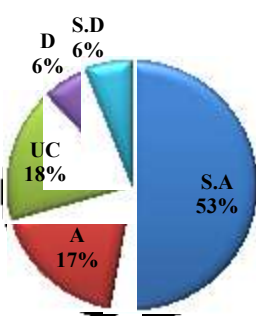
Ideas and concepts were presented clearly



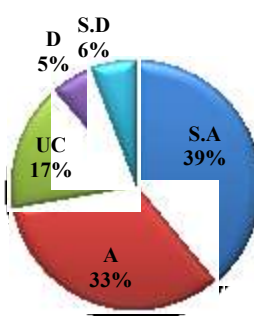
The method of assessment were reasonable



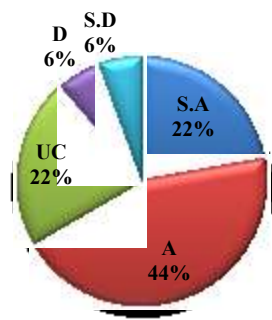
Feedback on assessment was timely



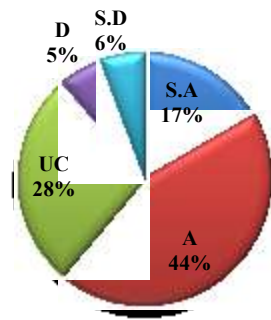
Feedback on assessment was helpful



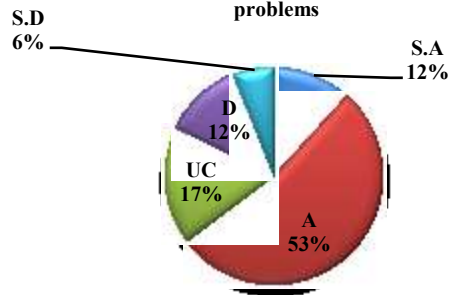
I understood the lectures



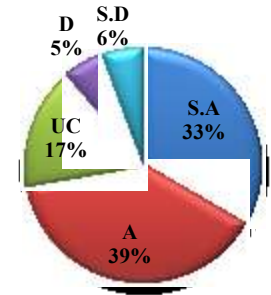
The material was well organized and presented



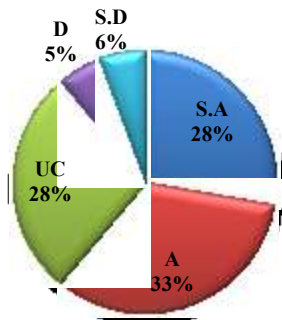
The instructor was responsive to student needs and problems



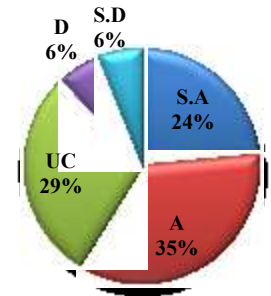
Had the instructor been regular throughout the course?

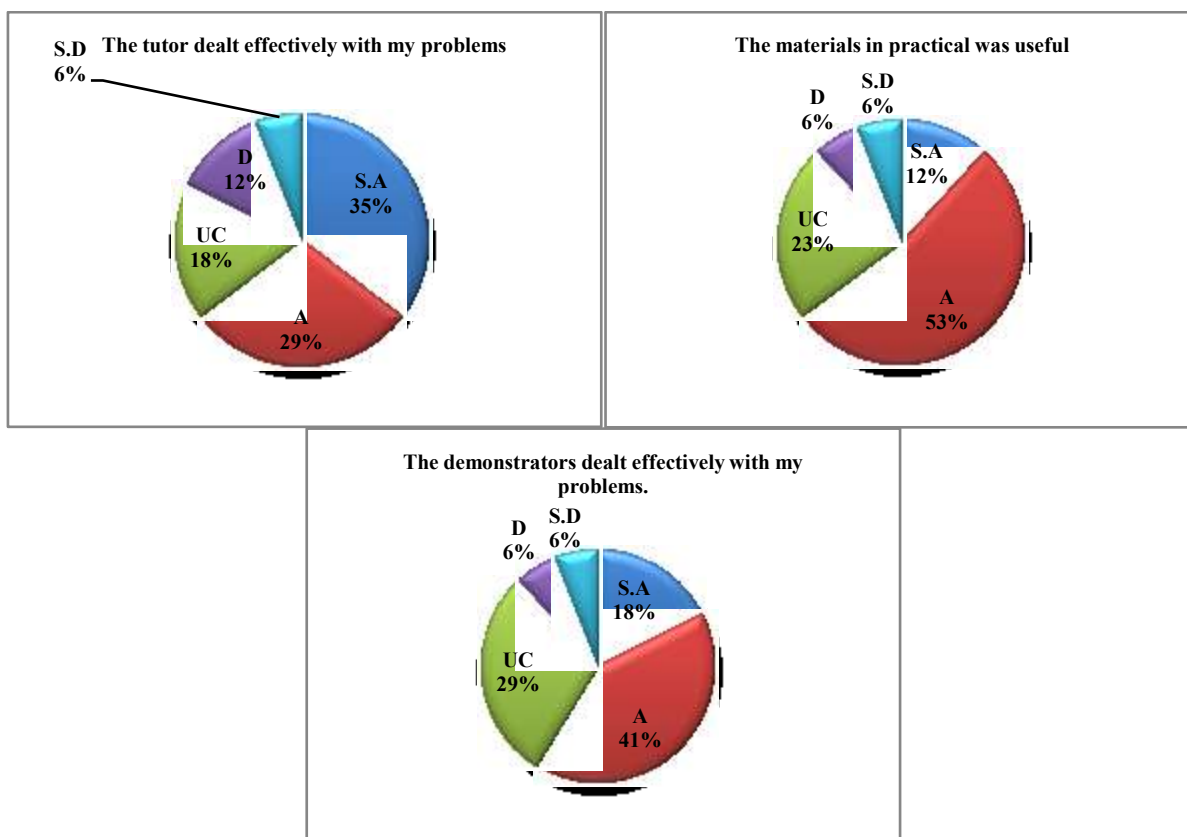


The material in the tutorials was useful



I was happy with the amount of work needed for tutorials





General Comments of Students about this course:

Strengths :

- Objectives well clear
- Reference material provided
- Well organized material

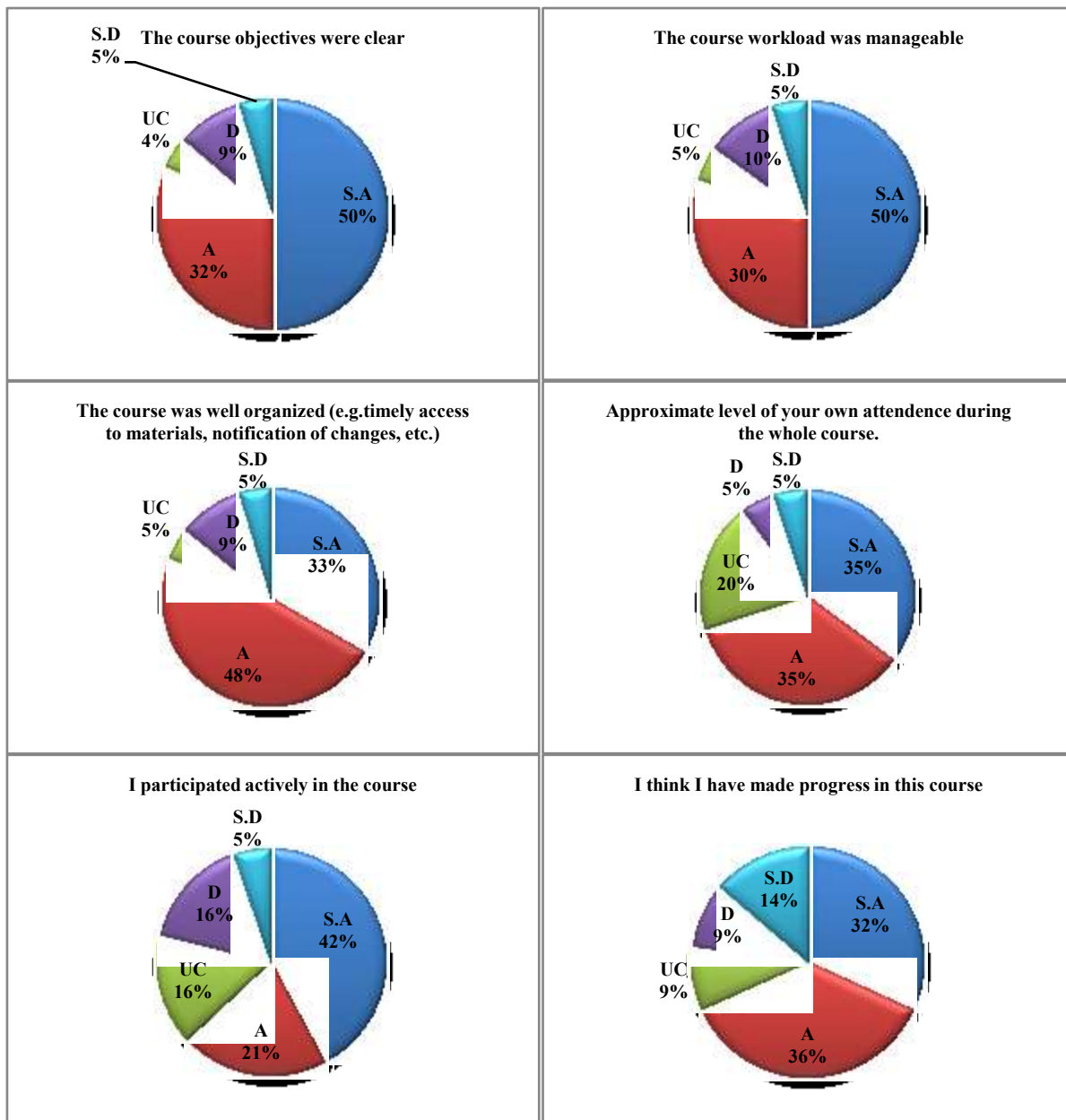
Weaknesses:

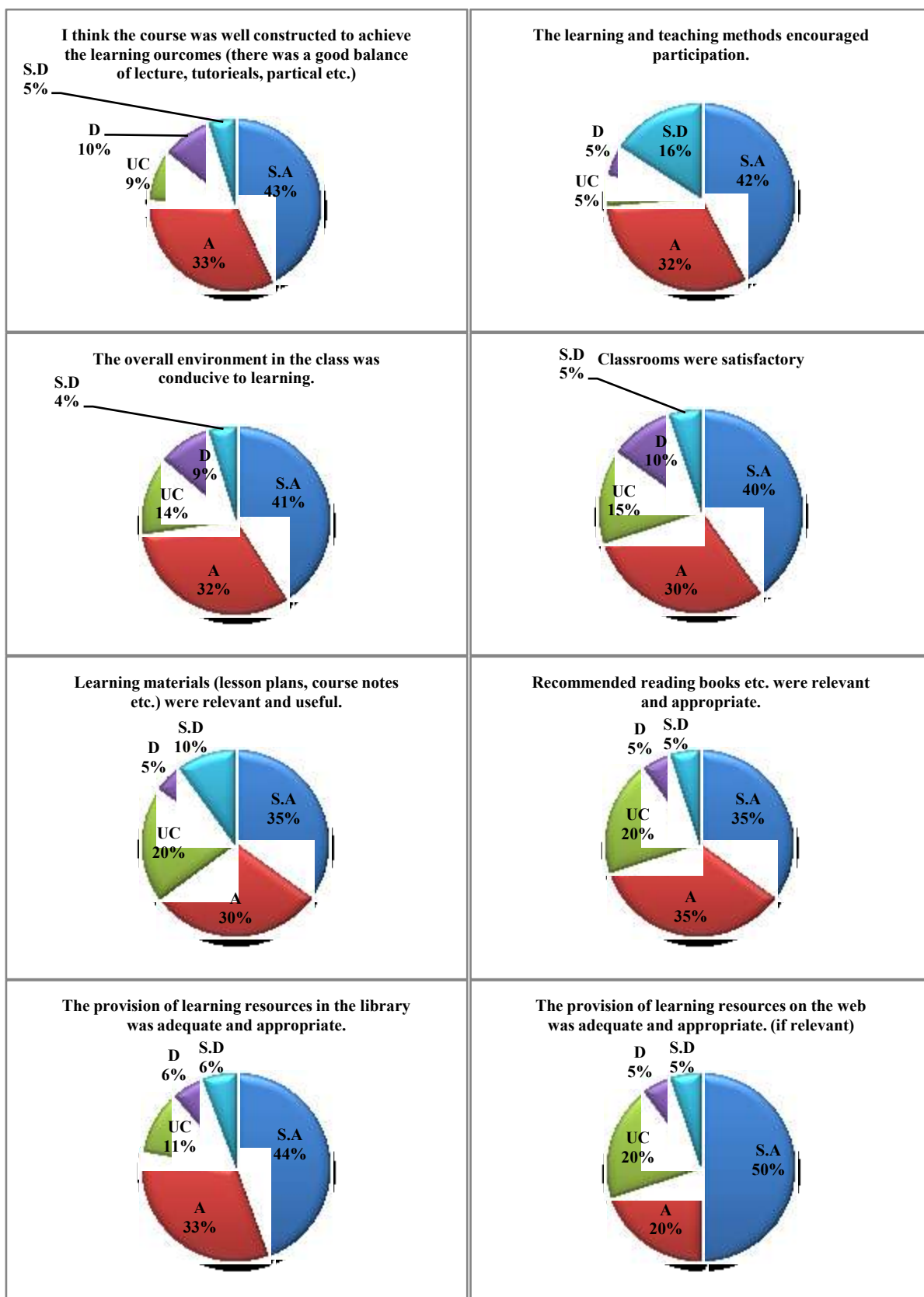
- The demonstration should be more effective

CS-542 (Mr. Sheeraz Akram)

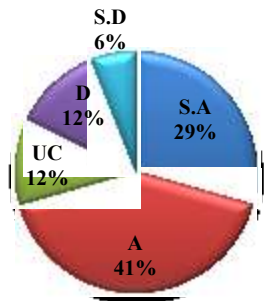
The graph shows that 50% of the students strongly agreed that course objectives are clear. The 32% agreed with the notion while, 4% are uncertain, 9% of the students do not agree and 5% strongly disagreed. The course load was manageable as 50% of the students strongly agreed and 30% of the students agreed while, 5% are uncertain, 10% of the students do not agree and 5% strongly disagreed. The course material was well organized this is strongly agreed by 33% of the students and 48% of the students agreed while, 5% are uncertain, 9% of the students do not

agree and 5% strongly disagreed. The approximate level of attendance of the teacher during the course was good, it is agreed by 35% of the students and 35% strongly agreed while, 20% are uncertain, 5% of the students do not agree and 5% strongly disagreed. The learning and teaching method of the teacher encouraged the participants; this is agreed by 32% of the students and strongly agreed by 42% of the students while, 5% are uncertain, 5% of the students do not agree and 16% strongly disagreed with the concept.

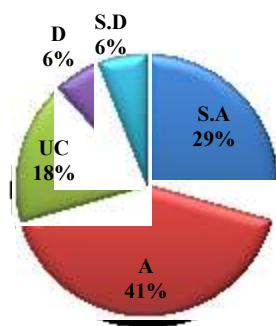




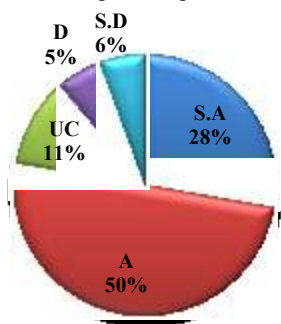
The course stimulated by interest and thought on the subject area.



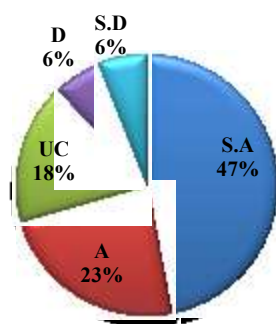
The pace of the course was appropriate



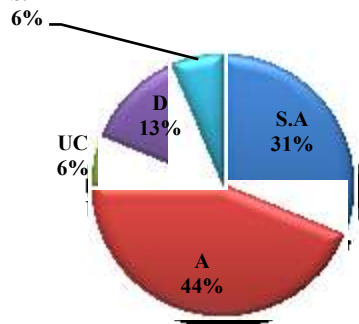
Ideas and concepts were presented clearly



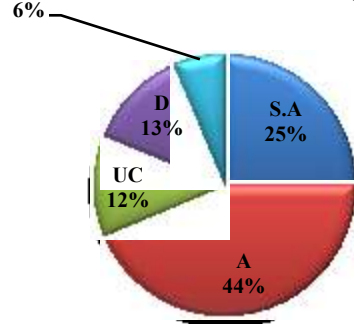
The method of assessment were reasonable



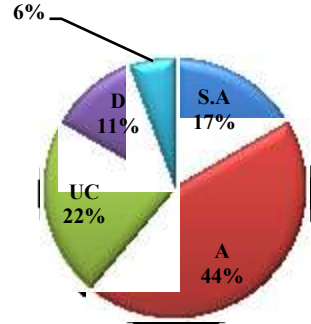
Feedback on assessment was timely



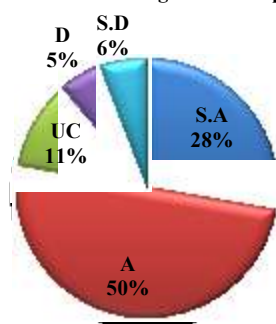
Feedback on assessment was helpful

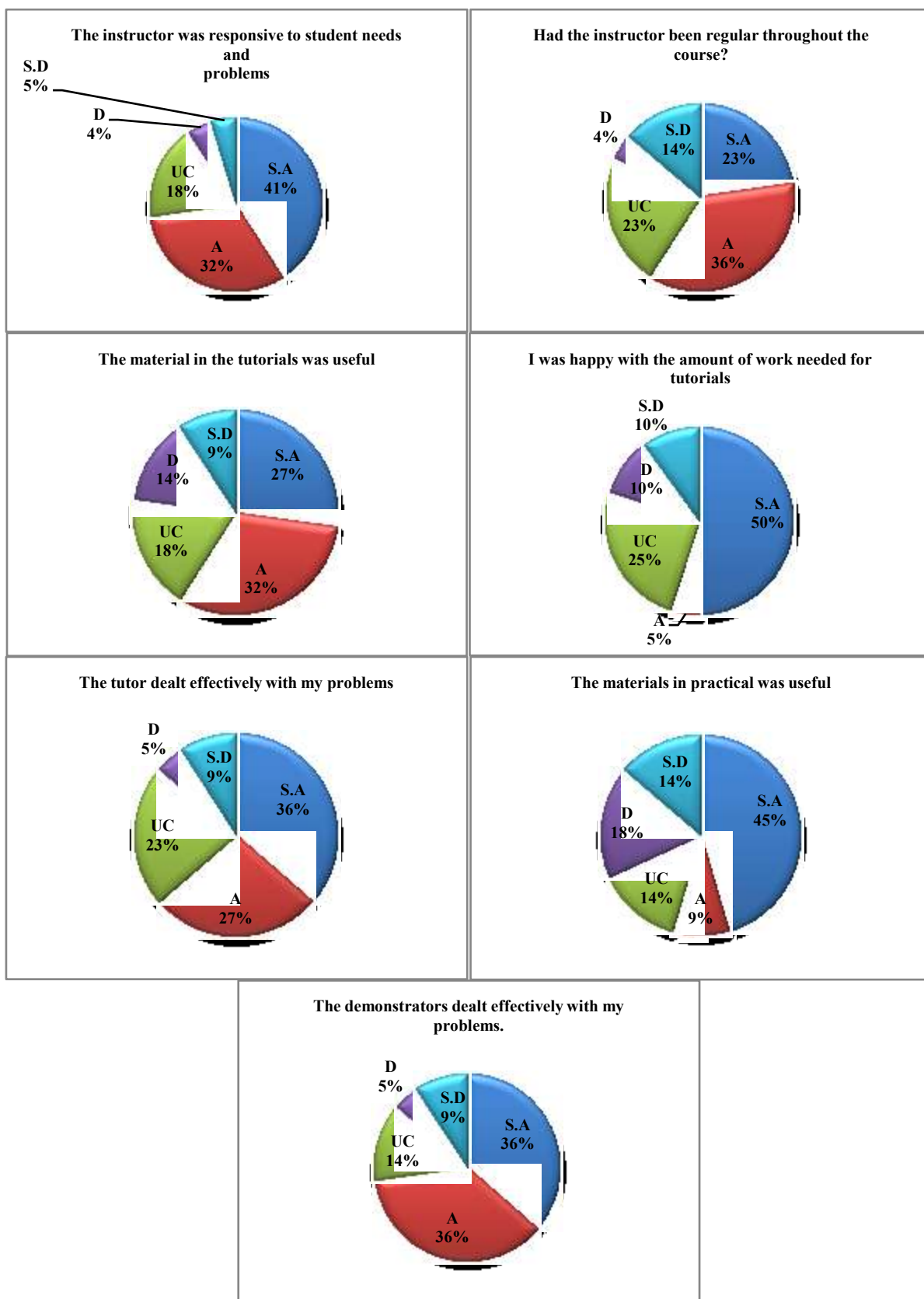


I understood the lectures



The material was well organized and presented





General Comments of Students about this course:

Strengths :

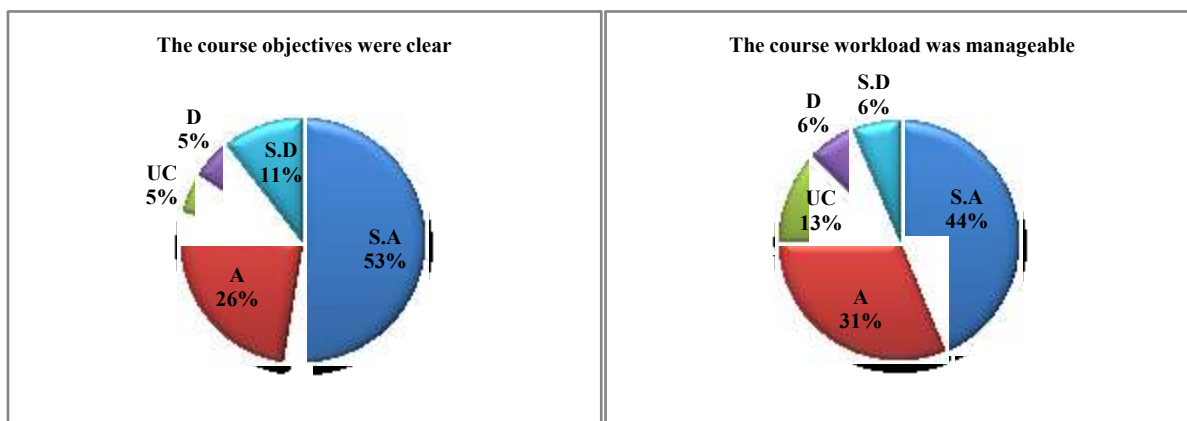
- Understanding of the course
- Good reference material provided

Weaknesses:

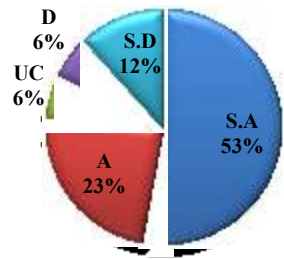
- Objectives should be more clear

CS-575 (Mr. Sheeraz Akram)

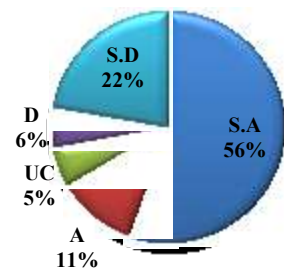
The graph shows that 53% of the students strongly agreed that course objectives are clear. The 26% agreed with the notion while, 5% are uncertain, 5% of the students do not agree and 11% strongly disagreed. The course load was manageable as 44% of the students strongly agreed and 31% of the students agreed while, 13% are uncertain, 6% of the students do not agree and 6% strongly disagreed. The course material was well organized this is strongly agreed by 53% of the students and 23% of the students agreed while, 6% are uncertain, 6% of the students do not agree and 12% strongly disagreed. The approximate level of attendance of the teacher during the course was good, it is strongly agreed by 56% of the students and 11% agreed while, 5% are uncertain, 6% of the students do not agree and 22% strongly disagreed. The learning and teaching method of the teacher encouraged the participants; this is agreed by 37% of the students and strongly agreed by 25% of the students while, 19% are uncertain, 6% of the students do not agree and 13% strongly disagreed with the concept.



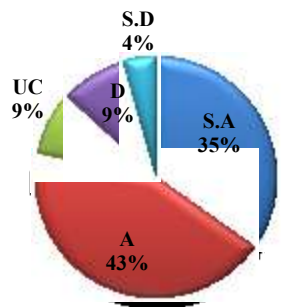
The course was well organized (e.g.timely access to materials, notification of changes, etc.)



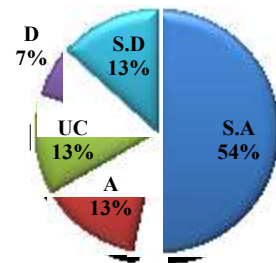
Approximate level of your own attendance during the whole course.



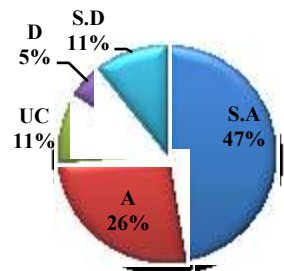
I participated actively in the course



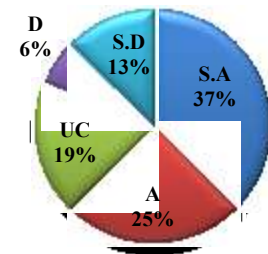
I think I have made progress in this course



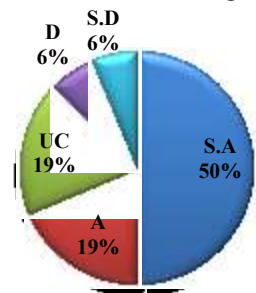
I think the course was well constructed to achieve the learning outcomes (there was a good balance of lecture, tutorials, practical etc.)



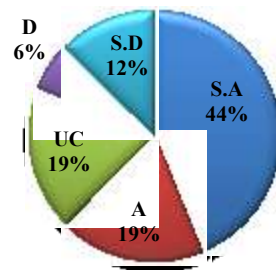
The learning and teaching methods encouraged participation.



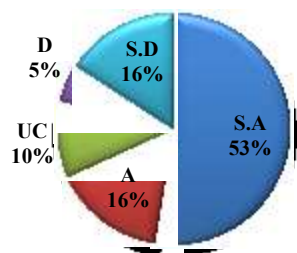
The overall environment in the class was conducive to learning.



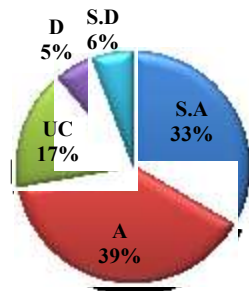
Classrooms were satisfactory



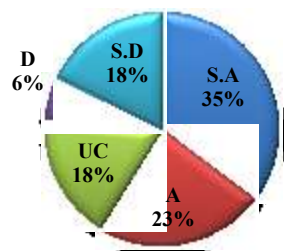
Learning materials (lesson plans, course notes etc.) were relevant and useful.



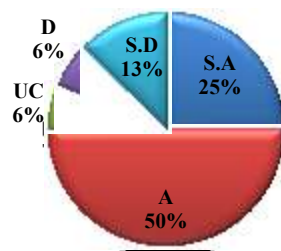
Recommended reading books etc. were relevant and appropriate.



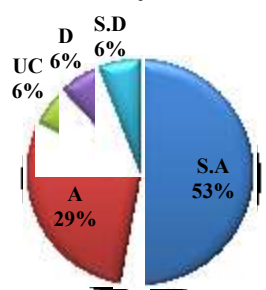
The provision of learning resources in the library was adequate and appropriate.



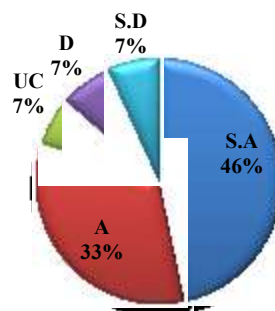
The provision of learning resources on the web was adequate and appropriate. (if relevant)



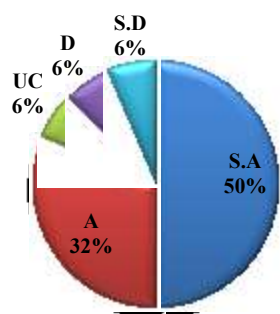
The course stimulated by interest and thought on the subject area.



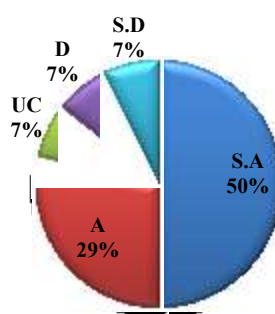
The pace of the course was appropriate



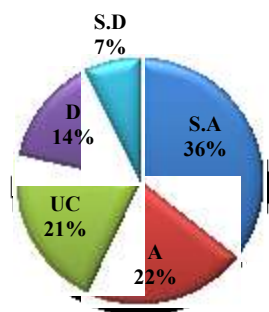
Ideas and concepts were presented clearly



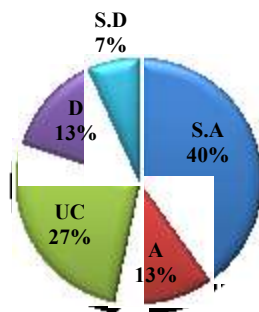
The method of assessment were reasonable



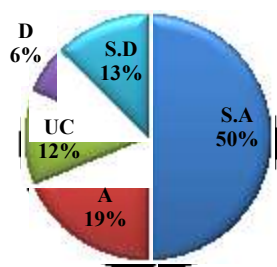
Feedback on assessment was timely



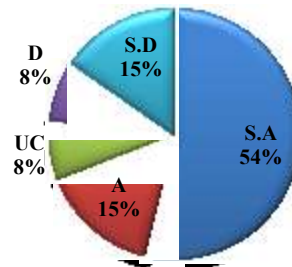
Feedback on assessment was helpful



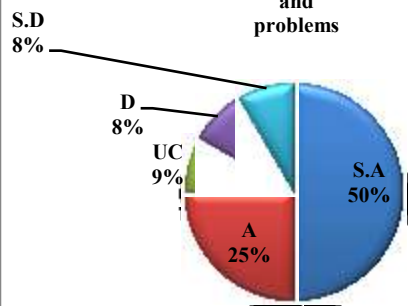
I understood the lectures



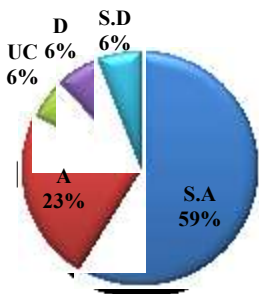
The material was well organized and presented



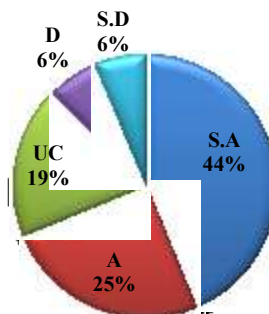
The instructor was responsive to student needs and problems



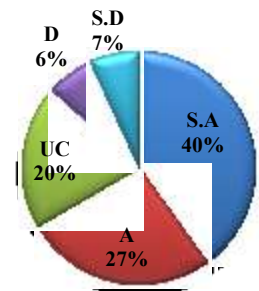
Had the instructor been regular throughout the course?

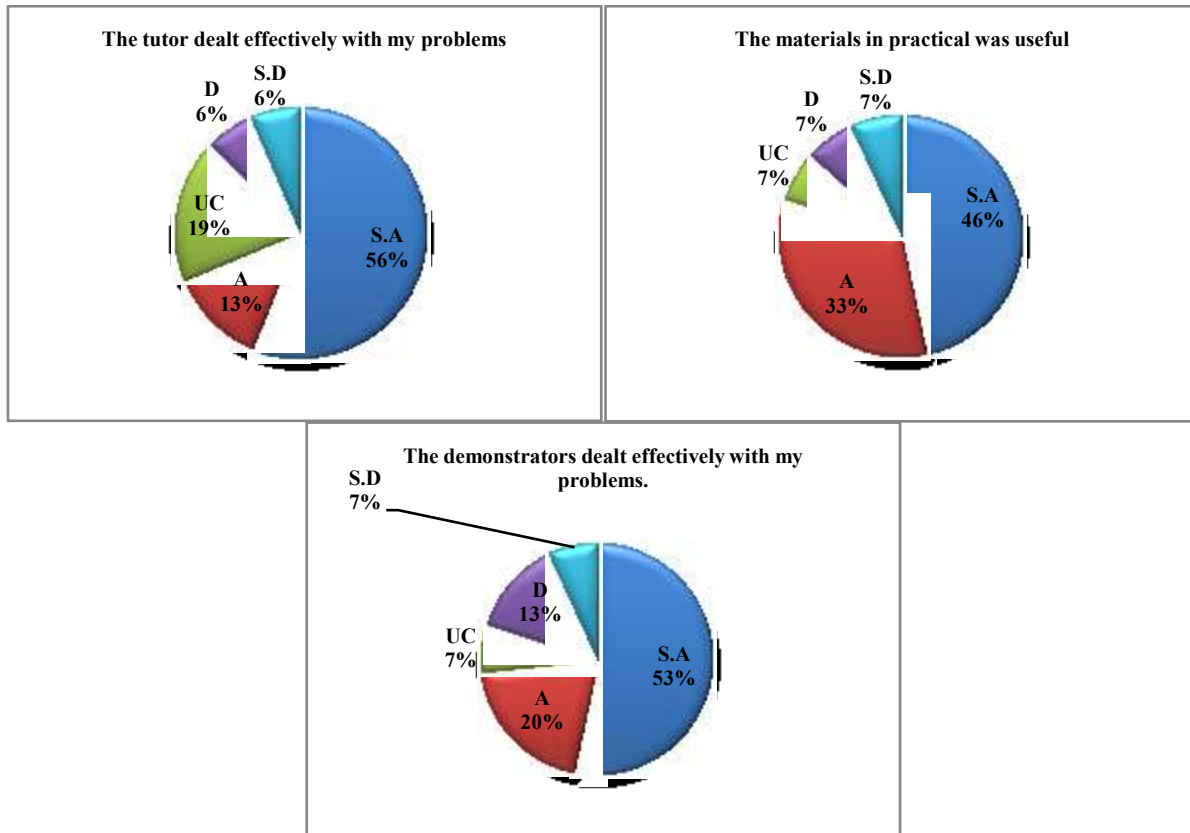


The material in the tutorials was useful



I was happy with the amount of work needed for tutorials





General Comments of Students about this course:

Strengths :

- Well organized course
- Reference material provided
- Teaching was effective

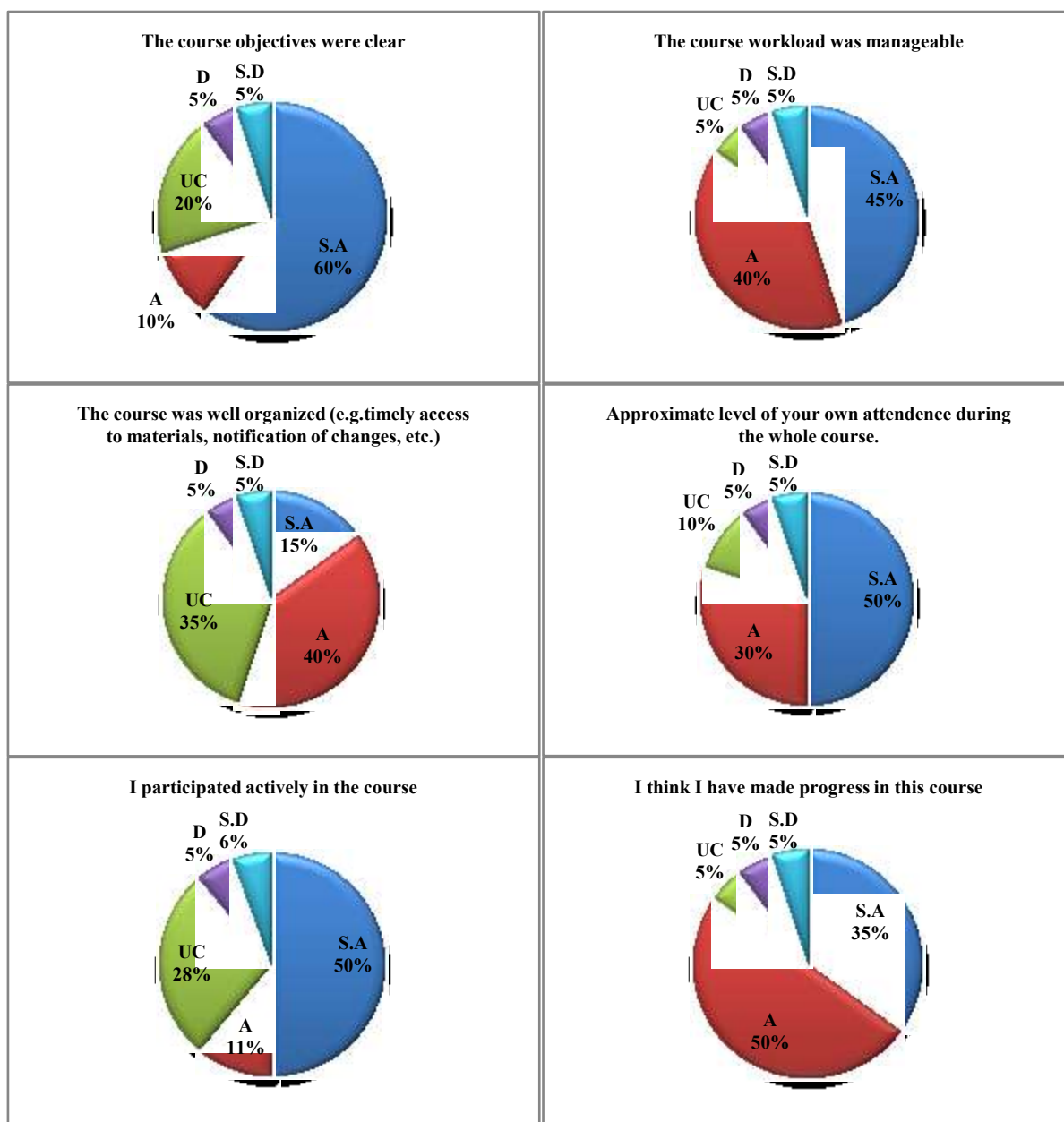
Weaknesses:

- More online resources should be provided

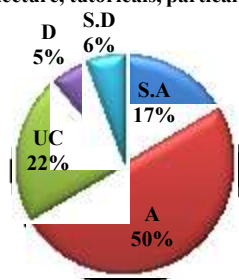
MGT-511 (Ms. Fakhra Mushtaq)

The graph shows that 60% of the students strongly agreed that course objectives are clear. The 10% agreed with the notion while, 20% are uncertain, 5% of the students do not agree and 5% strongly disagreed. The course load was manageable as 45% of the students strongly agreed and 40% of the students agreed while, 5% are uncertain, 5% of the students do not agree and 5% strongly disagreed. The course material was well organized this is strongly agreed by 15 of the students and 40% of the students agreed while, 35% are uncertain, 5% of the students do not

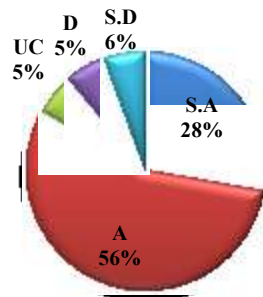
agree and 5% strongly disagreed. The approximate level of attendance of the teacher during the course was good, it is agreed by 30% of the students and 50% strongly agreed while, 10% are uncertain, 5% of the students do not agree and 5% strongly disagreed. The learning and teaching method of the teacher encouraged the participants; this is agreed by 56% of the students and strongly agreed by 28% of the students while, 5% are uncertain, 5% of the students do not agree and 6% strongly disagreed.



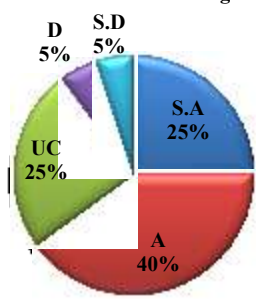
I think the course was well constructed to achieve the learning outcomes (there was a good balance of lecture, tutorials, practical etc.)



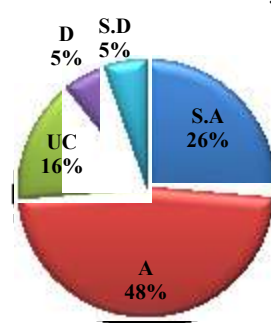
The learning and teaching methods encouraged participation.



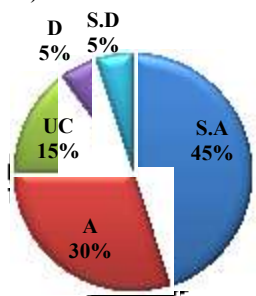
The overall environment in the class was conducive to learning.



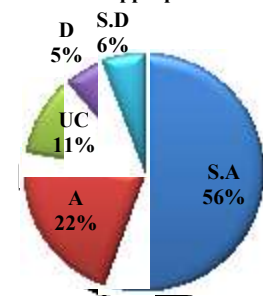
Classrooms were satisfactory



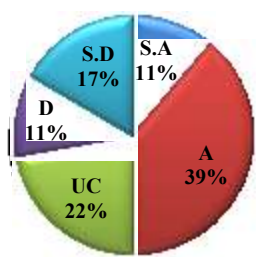
Learning materials (lesson plans, course notes etc.) were relevant and useful.



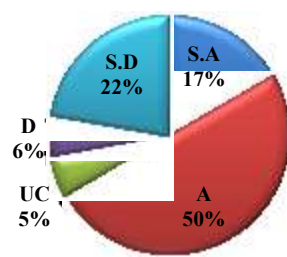
Recommended reading books etc. were relevant and appropriate.



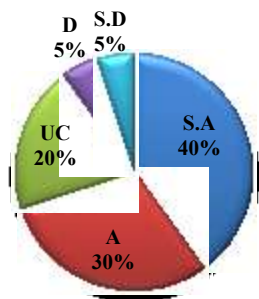
The provision of learning resources in the library was adequate and appropriate.



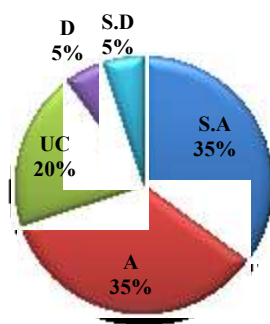
The provision of learning resources on the web was adequate and appropriate. (if relevant)



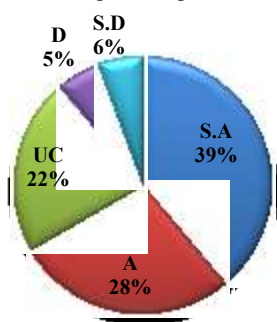
The course stimulated by interest and thought on the subject area.



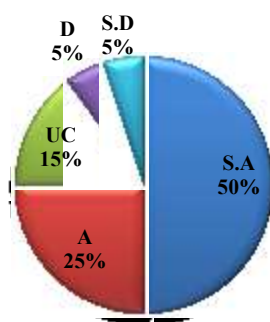
The pace of the course was appropriate



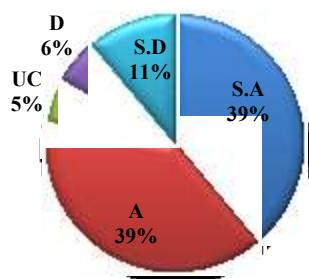
Ideas and concepts were presented clearly



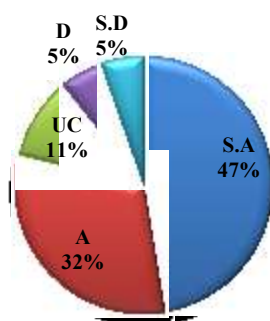
The method of assessment were reasonable



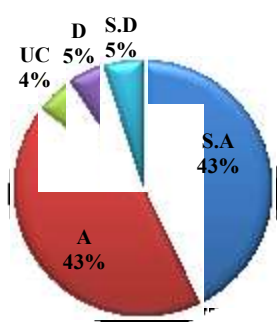
Feedback on assessment was timely



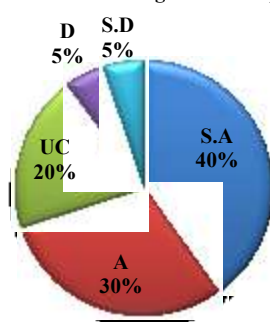
Feedback on assessment was helpful

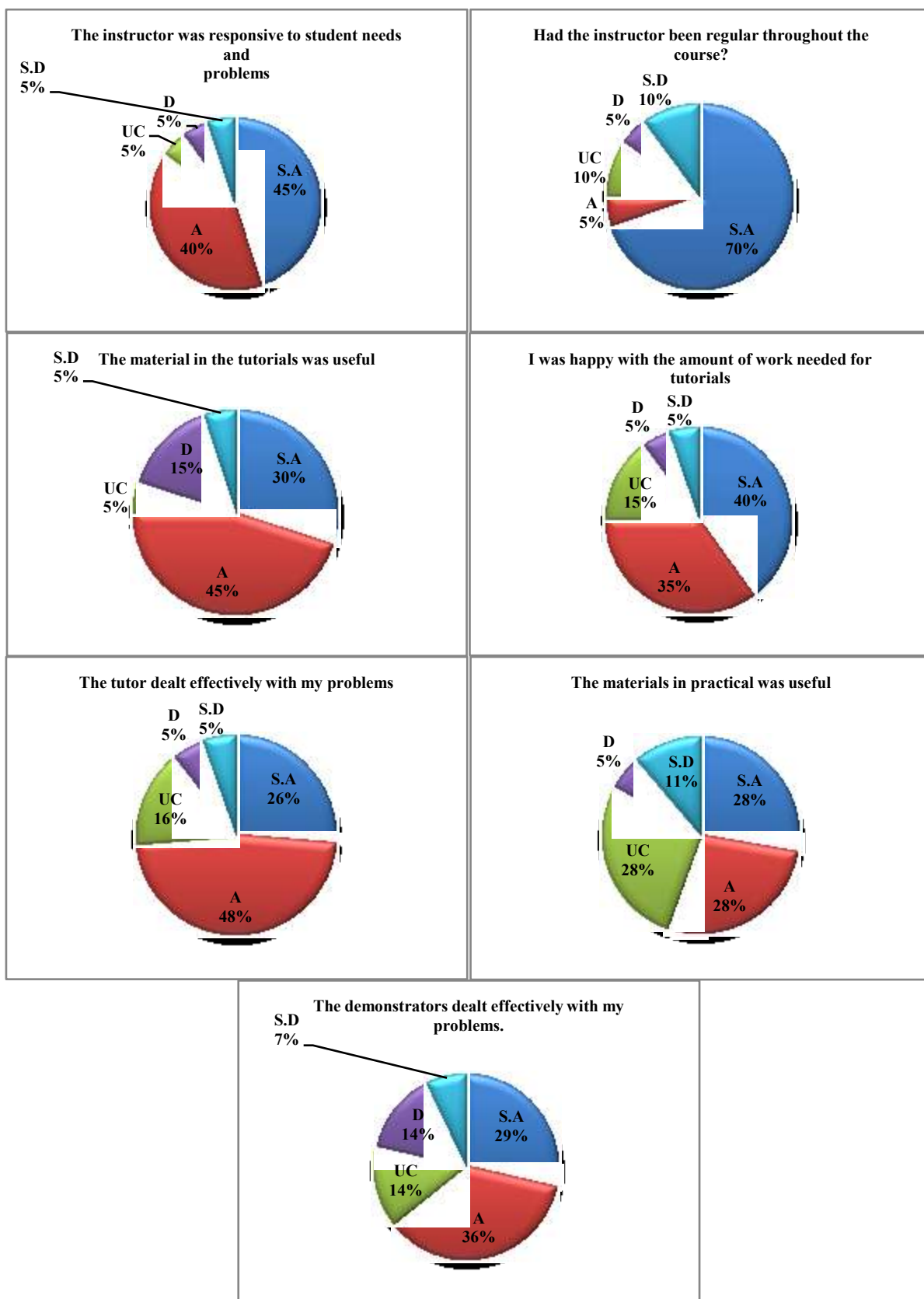


I understood the lectures



The material was well organized and presented





General Comments of Students about this course:

Strengths :

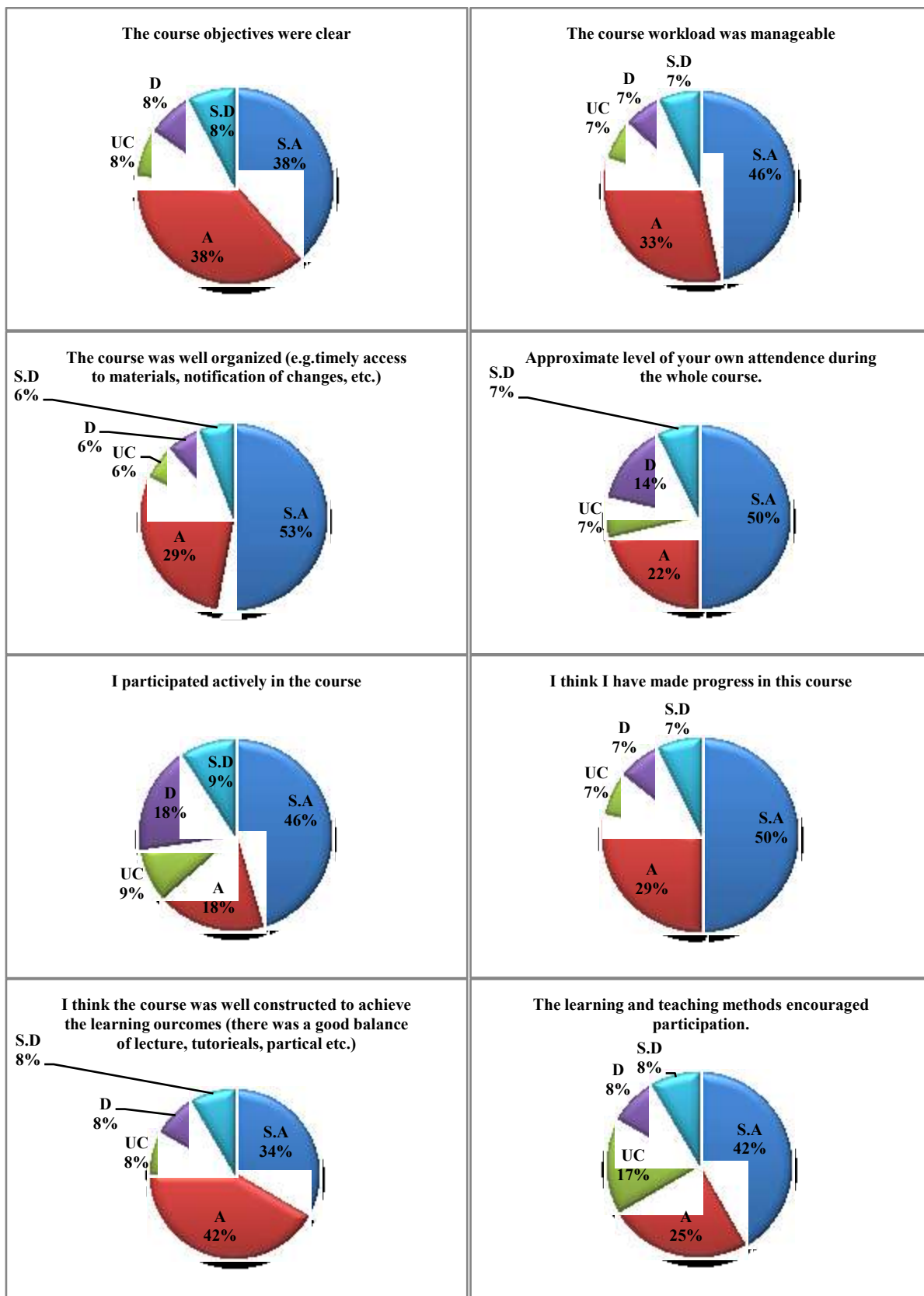
- Effective teaching
- Learning material was good

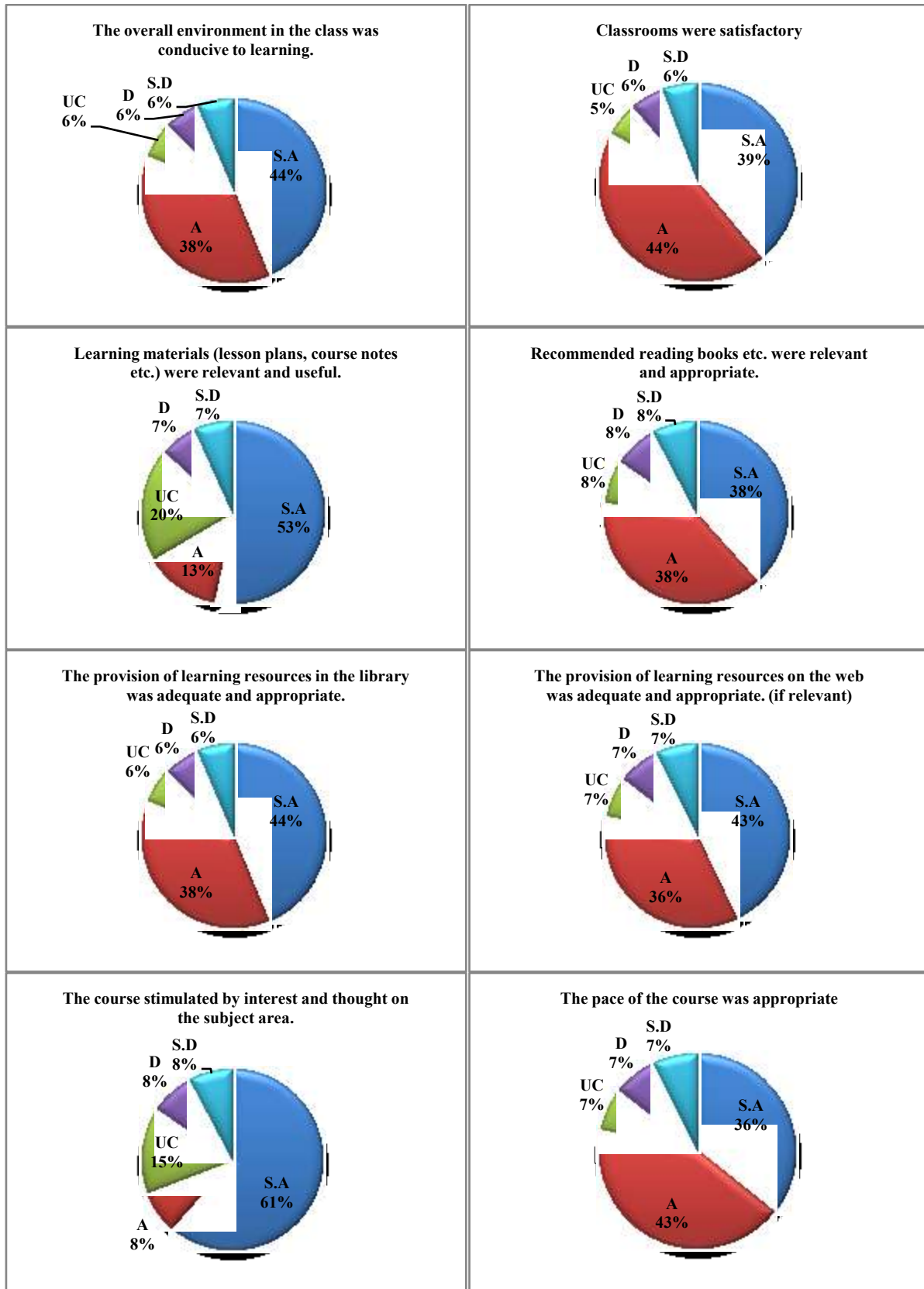
Weaknesses:

- Extra Course Load

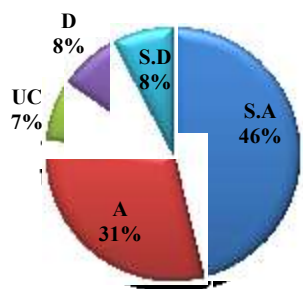
CS-565 (Mr. Muhamamd Azeem Abbas)

The graph shows that 38% of the students strongly agreed that course objectives are clear. The 38% agreed with the notion while, 8% are uncertain, 8% of the students do not agree and 8% strongly disagreed. The course load was manageable as 46% of the students strongly agreed and 33% of the students agreed while, 7% are uncertain, 7% of the students do not agree and 7% strongly disagreed. The course material was well organized this is strongly agreed by 53% of the students and 29% of the students agreed while, 6% are uncertain, 6% of the students do not agree and 6% strongly disagreed. The approximate level of attendance of the teacher during the course was good, it is agreed by 50% of the students and 22% strongly agreed while, 7% are uncertain, 14% of the students do not agree and 7% strongly disagreed. The learning and teaching method of the teacher encouraged the participants; this is agreed by 42% of the students and strongly agreed by 25% of the students while, 17% are uncertain, 8% of the students do not agree and 8% strongly disagreed with the concept.

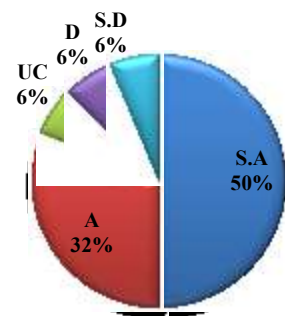




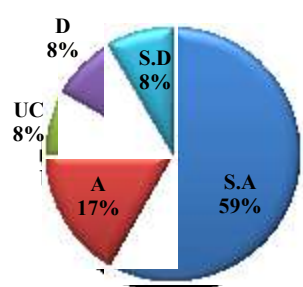
Ideas and concepts were presented clearly



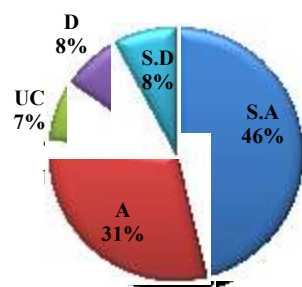
The method of assessment were reasonable



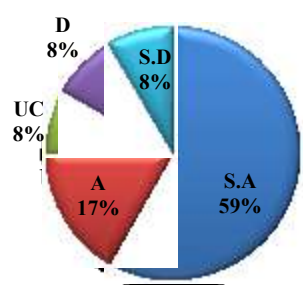
Feedback on assessment was timely



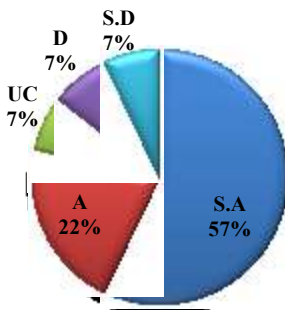
Feedback on assessment was helpful



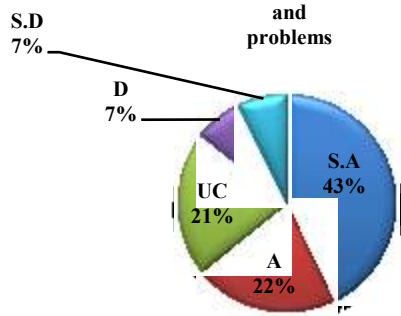
I understood the lectures



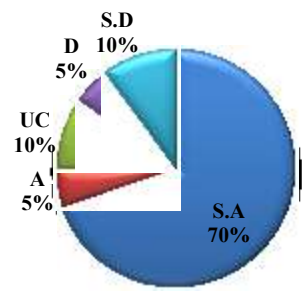
The material was well organized and presented

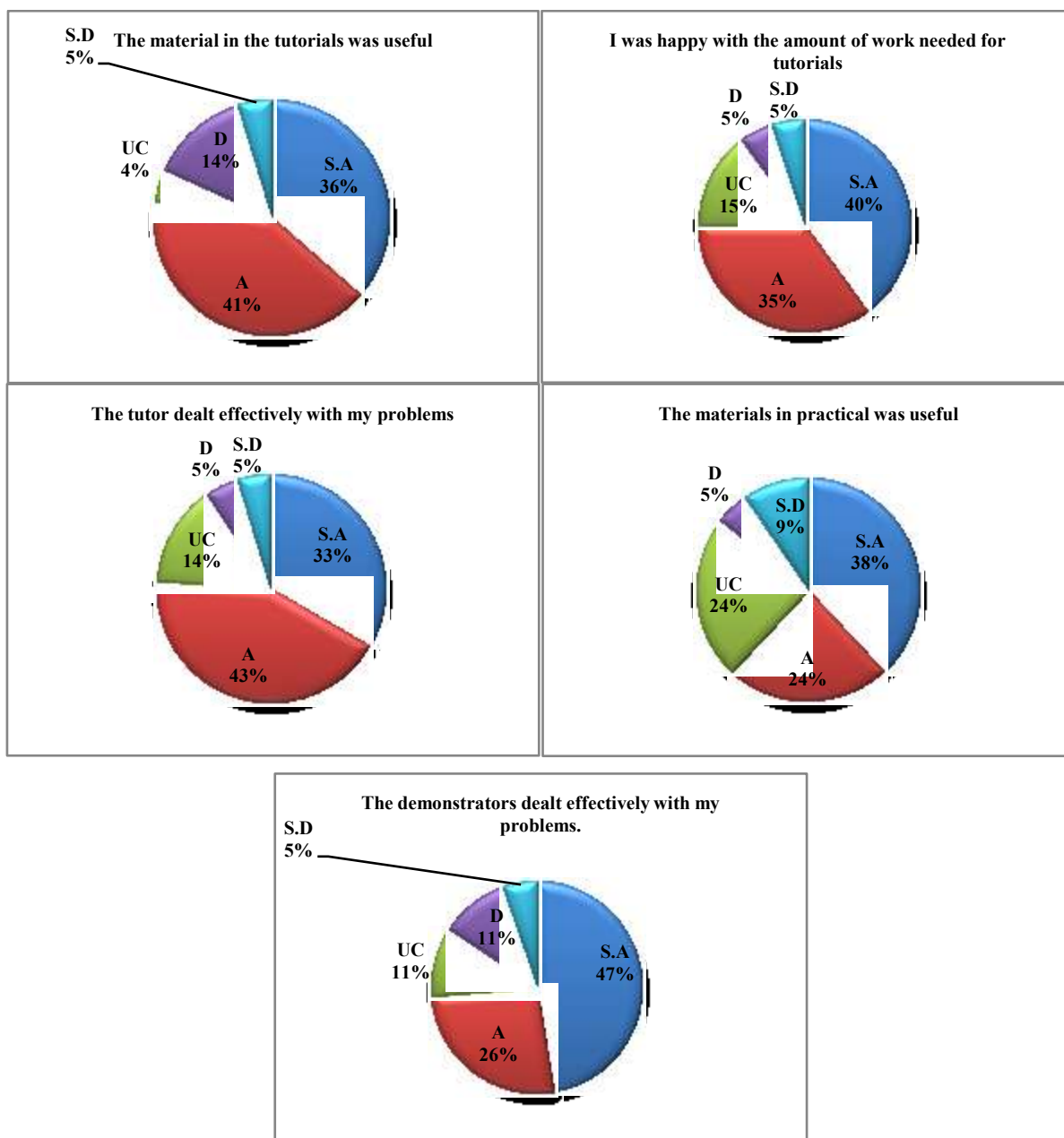


The instructor was responsive to student needs and problems



Had the instructor been regular throughout the course?





General Comments of Students about this course:

Strengths :

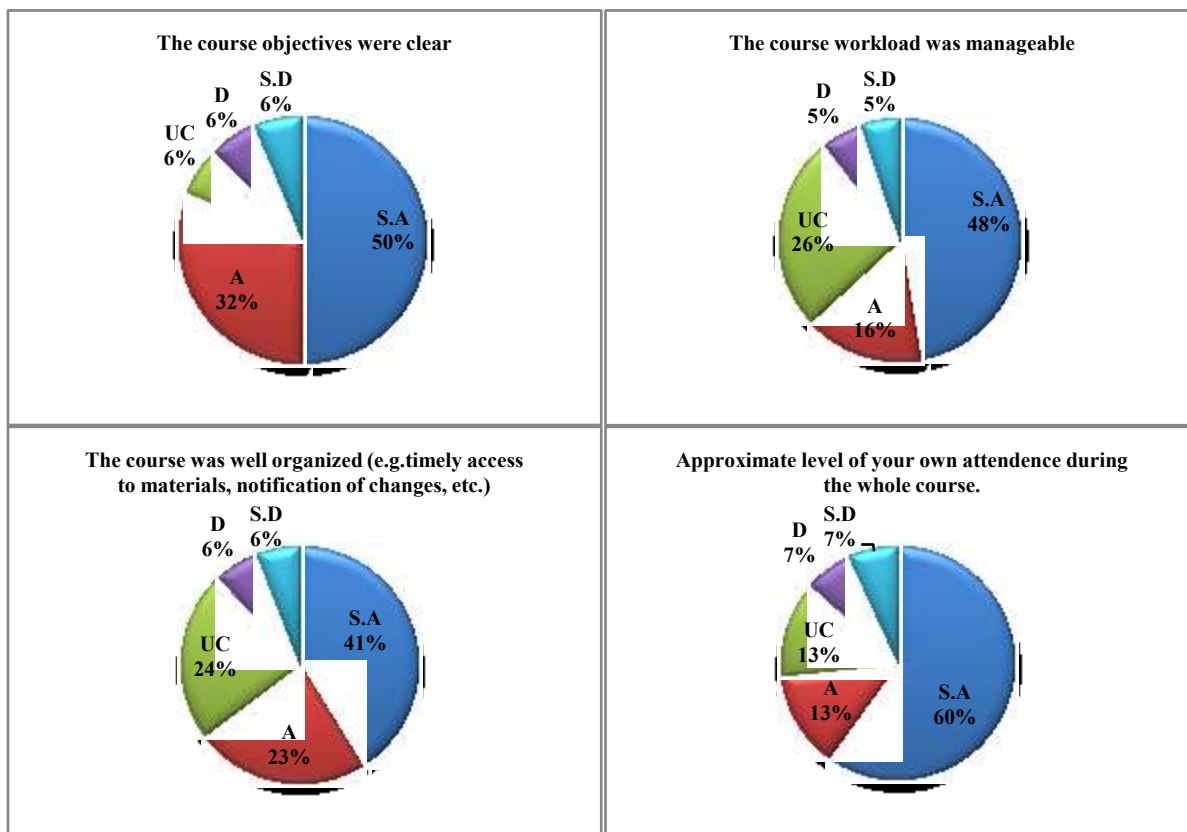
- Taught well
- Well organized material
- Effective teaching method

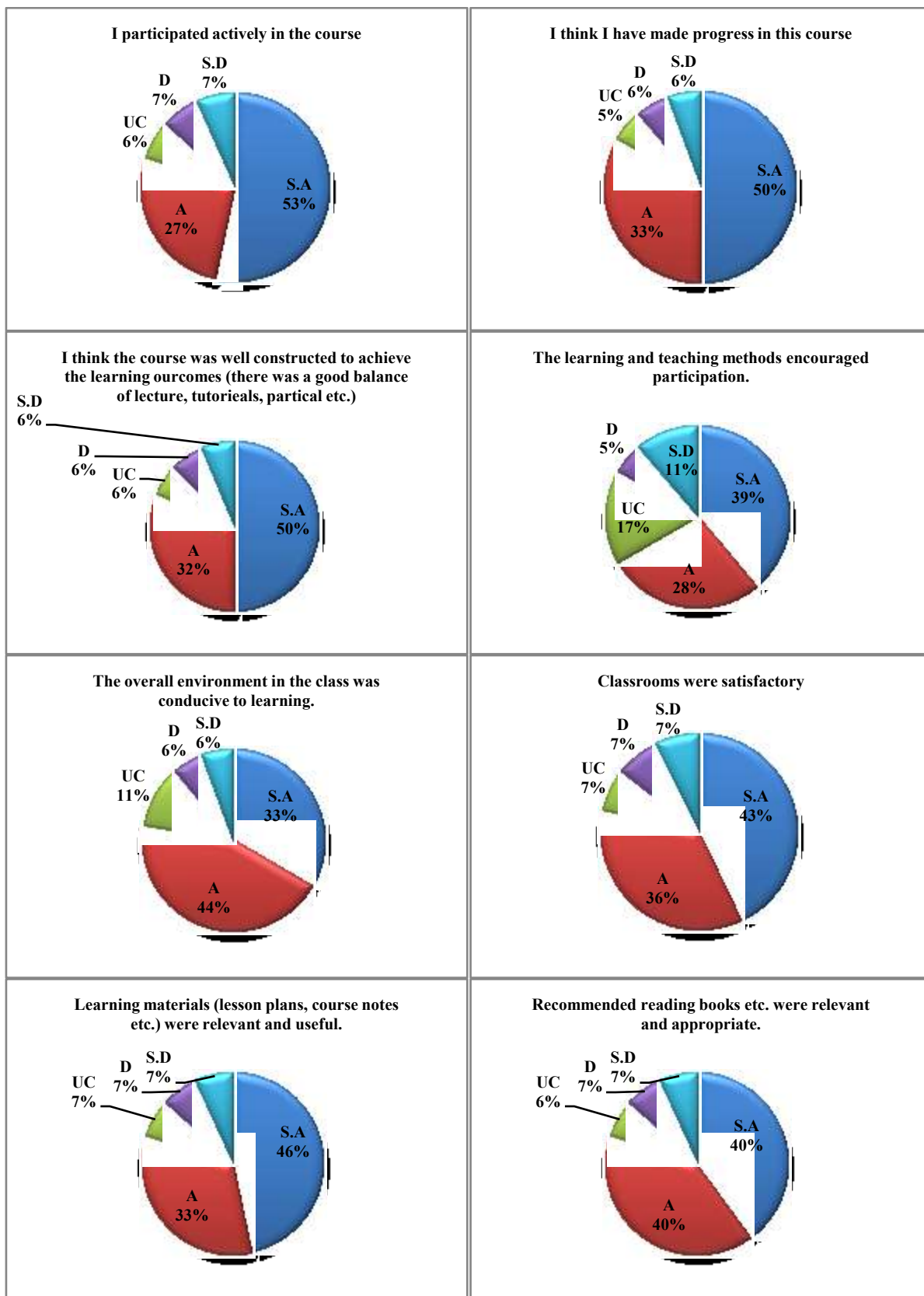
Weaknesses:

- More practical material needed
- More reference material needed

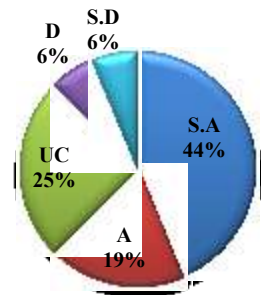
CS-323 (Ms. Bushra Hamid)

The graph shows that 50% of the students strongly agreed that course objectives are clear. The 32% agreed with the notion while, 6% are uncertain, 6% of the students do not agree and 6% strongly disagreed. The course load was manageable as 48% of the students strongly agreed and 16% of the students agreed while, 26% are uncertain, 5% of the students do not agree and 5% strongly disagreed. The course material was well organized this is strongly agreed by 41% of the students and 23% of the students agreed while, 24% are uncertain, 6% of the students do not agree and 6% strongly disagreed. The approximate level of attendance of the teacher during the course was good, it is agreed by 13% of the students and 60% strongly agreed while, 13% are uncertain, 7% of the students do not agree and 7% strongly disagreed. The learning and teaching method of the teacher encouraged the participants; this is agreed by 28% of the students and strongly agreed by 39% of the students while, 17% are uncertain, 5% of the students do not agree and 11% strongly disagreed.

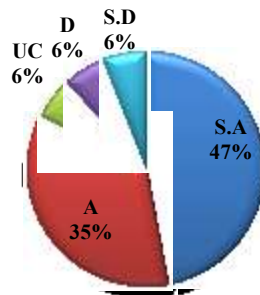




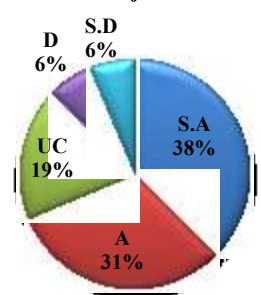
The provision of learning resources in the library was adequate and appropriate.



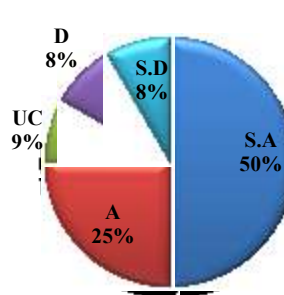
The provision of learning resources on the web was adequate and appropriate. (if relevant)



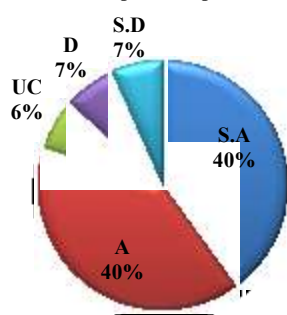
The course stimulated by interest and thought on the subject area.



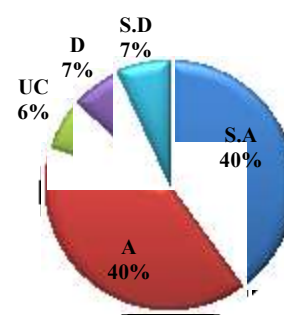
The pace of the course was appropriate



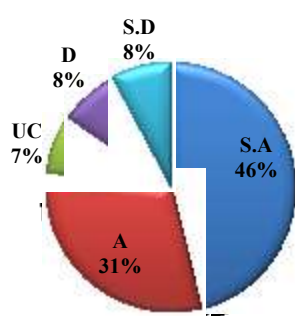
Ideas and concepts were presented clearly



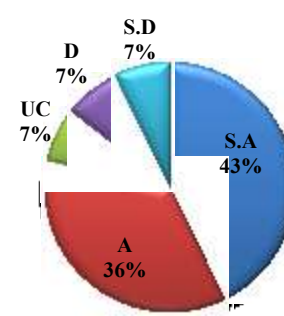
The method of assessment were reasonable



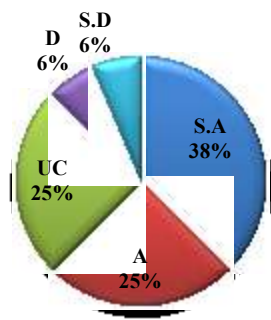
Feedback on assessment was timely



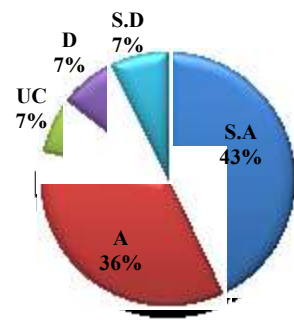
Feedback on assessment was helpful



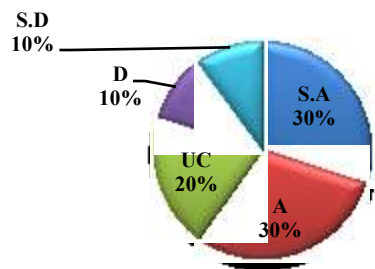
I understood the lectures



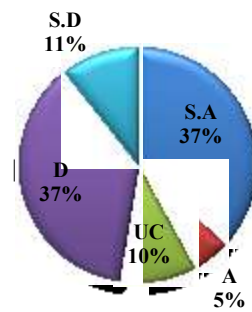
The material was well organized and presented

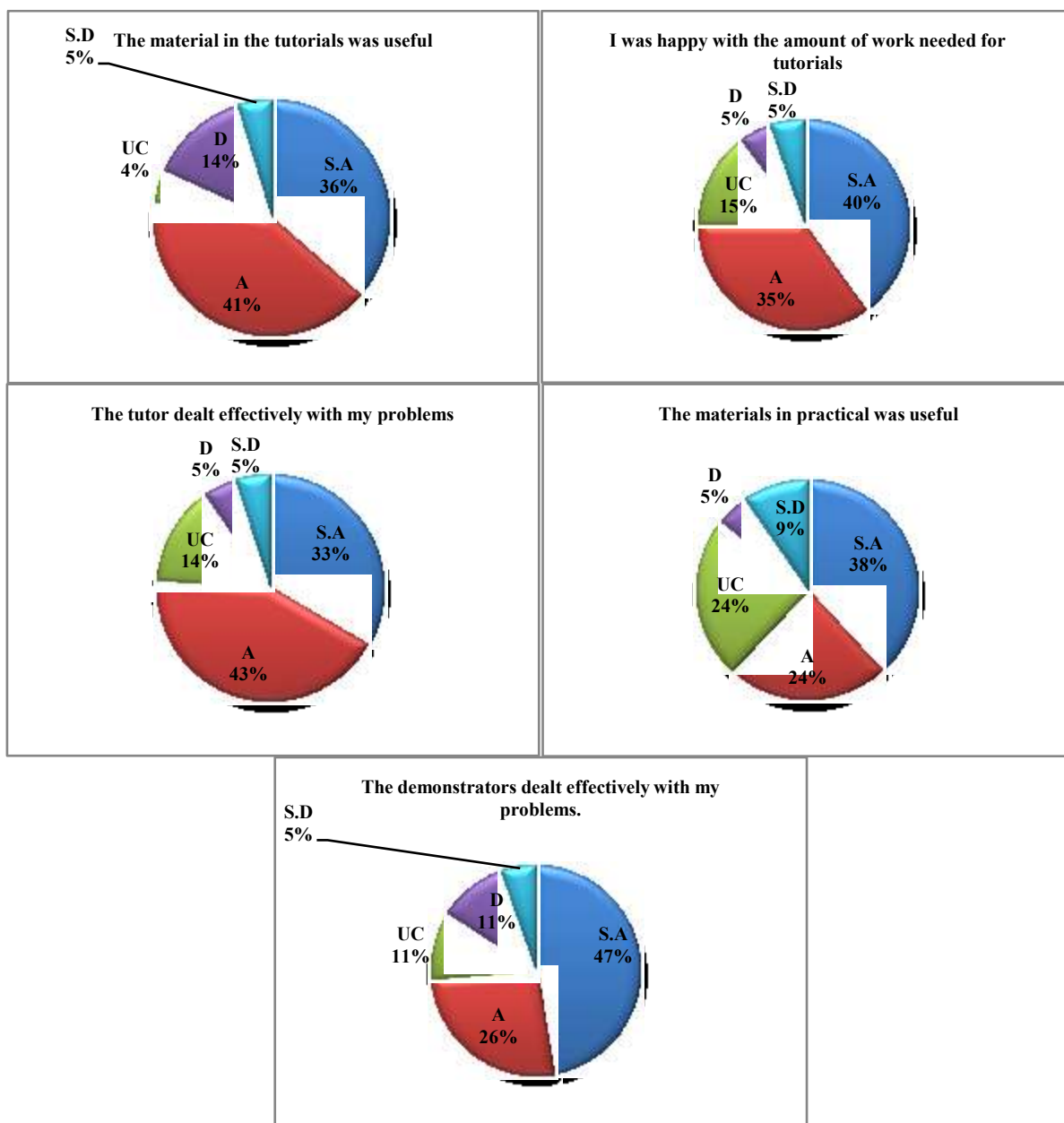


The instructor was responsive to student needs and problems



Had the instructor been regular throughout the course?





General Comments of Students about this course:

Strengths :

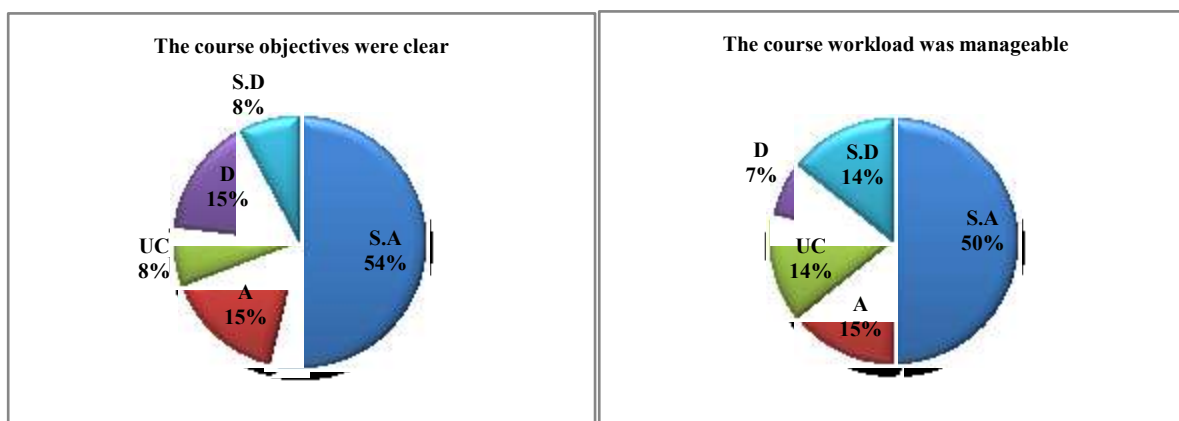
- Objectives well clear
- Good teaching method
- More practical work

Weaknesses:

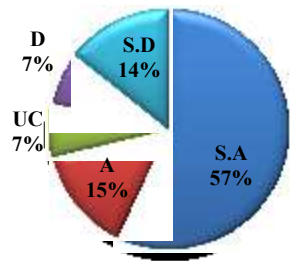
- Tutorials should be added

CS-565 (Ms. Bushra Hamid)

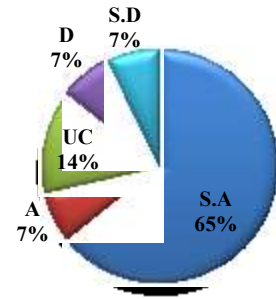
The graph shows that 54% of the students strongly agreed that course objectives are clear. The 15% agreed with the notion while, 8% are uncertain, 15% of the students do not agree and 8% strongly disagreed. The course load was manageable as 50% of the students strongly agreed and 15% of the students agreed while, 14% are uncertain, 7% of the students do not agree and 14% strongly disagreed. The course material was well organized this is strongly agreed by 57% of the students and 15% of the students agreed while, 7% are uncertain, 7% of the students do not agree and 14% strongly disagreed. The approximate level of attendance of the teacher during the course was good, it is agreed by 7% of the students and 65% strongly agreed while, 14% are uncertain, 7% of the students do not agree and 7% strongly disagreed. The learning and teaching method of the teacher encouraged the participants; this is agreed by 54% of the students and strongly agreed by 13% of the students while, 13% are uncertain, 7% of the students do not agree and 13% strongly disagreed.



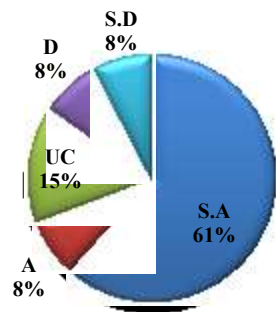
The course was well organized (e.g.timely access to materials, notification of changes, etc.)



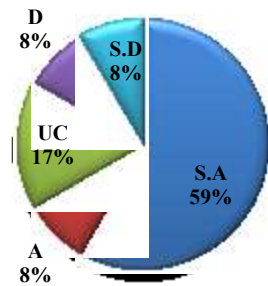
Approximate level of your own attendance during the whole course.



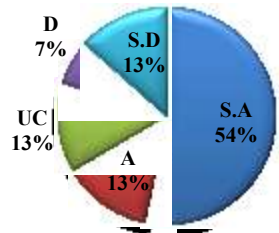
I participated actively in the course



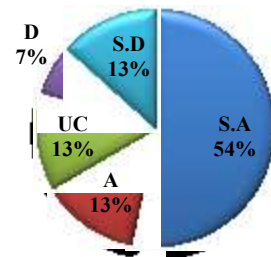
I think I have made progress in this course



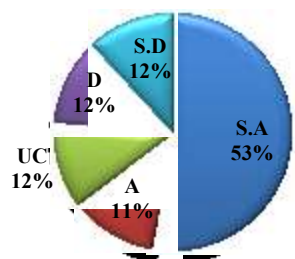
I think the course was well constructed to achieve the learning outcomes (there was a good balance of lecture, tutorials, practical etc.)



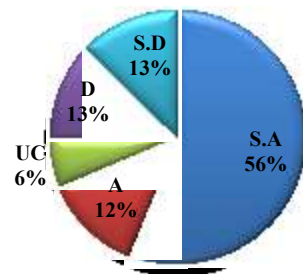
The learning and teaching methods encouraged participation.



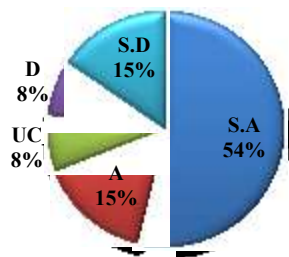
The overall environment in the class was conducive to learning.



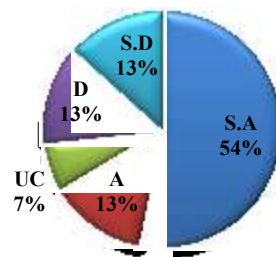
Classrooms were satisfactory



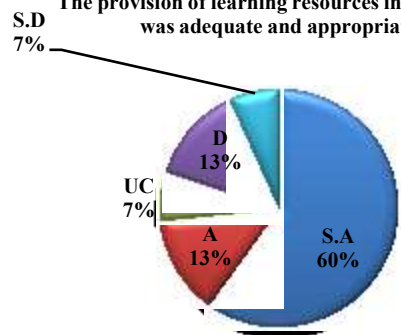
Learning materials (lesson plans, course notes etc.) were relevant and useful.



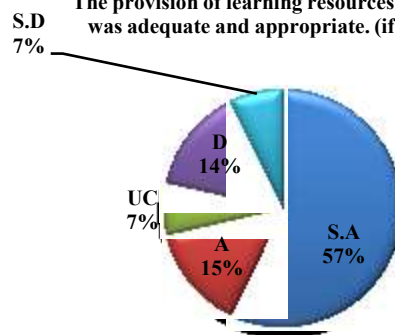
Recommended reading books etc. were relevant and appropriate.



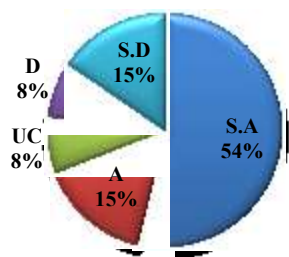
The provision of learning resources in the library was adequate and appropriate.



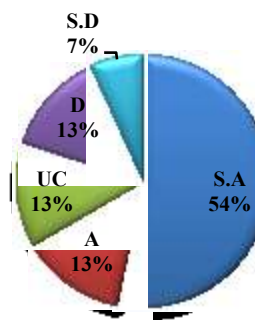
The provision of learning resources on the web was adequate and appropriate. (if relevant)



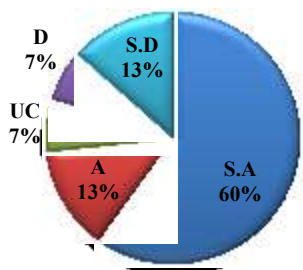
The course stimulated by interest and thought on the subject area.



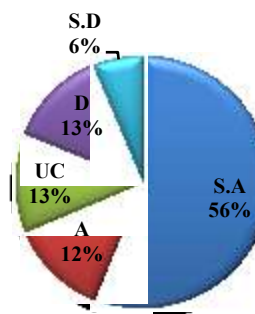
The pace of the course was appropriate



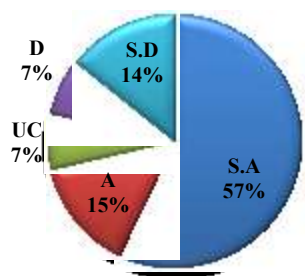
Ideas and concepts were presented clearly



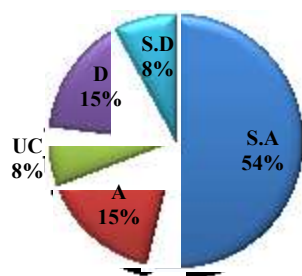
The method of assessment were reasonable



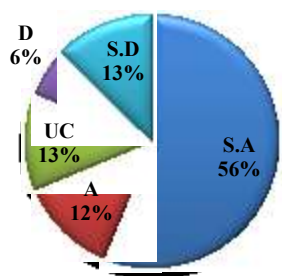
Feedback on assessment was timely



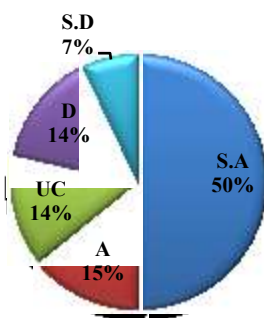
Feedback on assessment was helpful



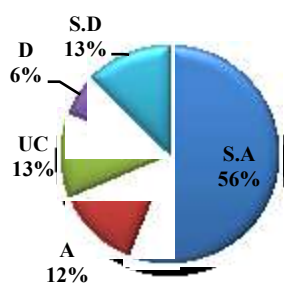
I understood the lectures



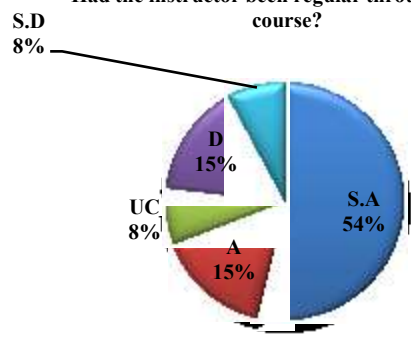
The material was well organized and presented



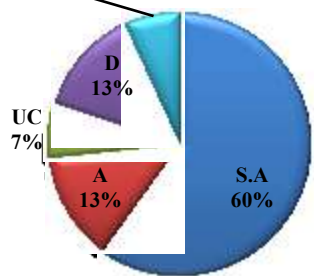
The instructor was responsive to student needs and problems



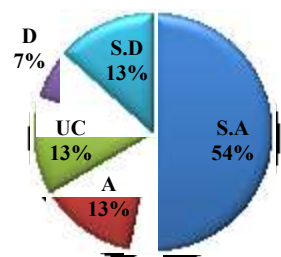
Had the instructor been regular throughout the course?

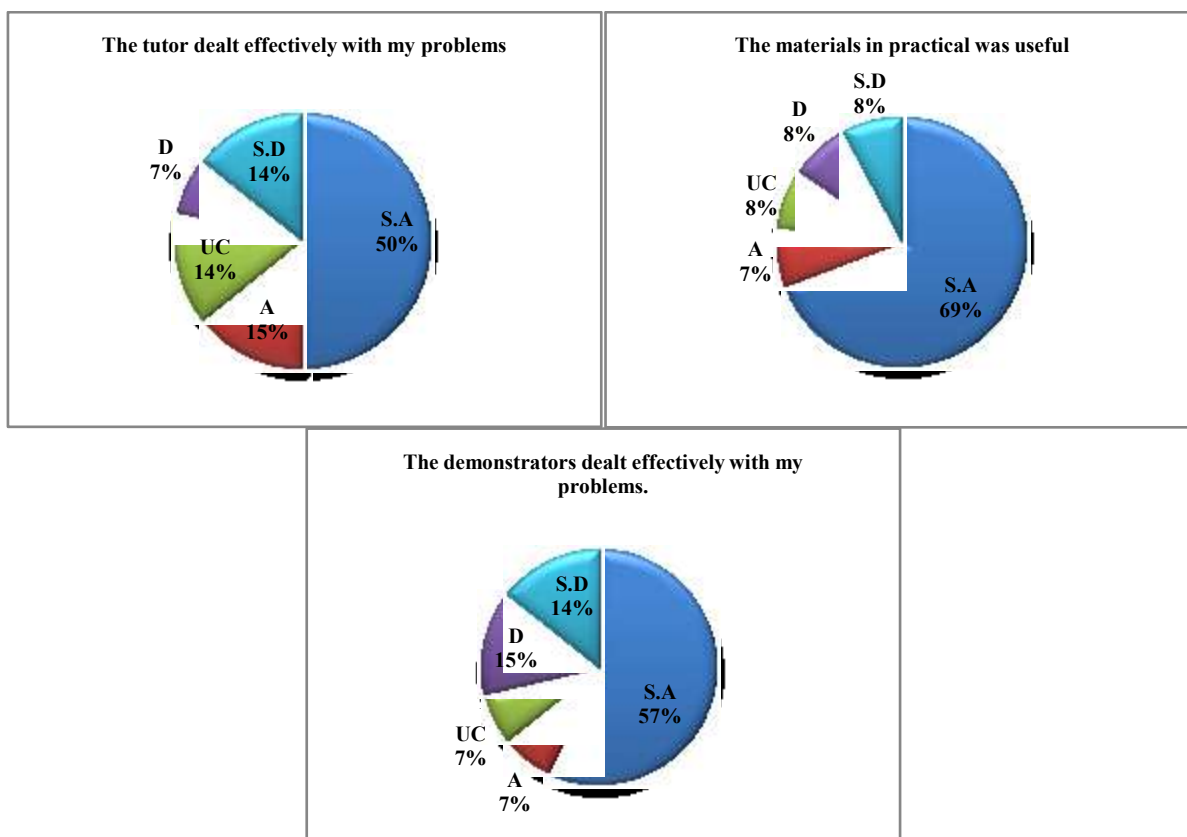


The material in the tutorials was useful



I was happy with the amount of work needed for tutorials





General Comments of Students about this course:

Strengths :

- Objectives well clear
- Good teaching method
- Listen student carefully

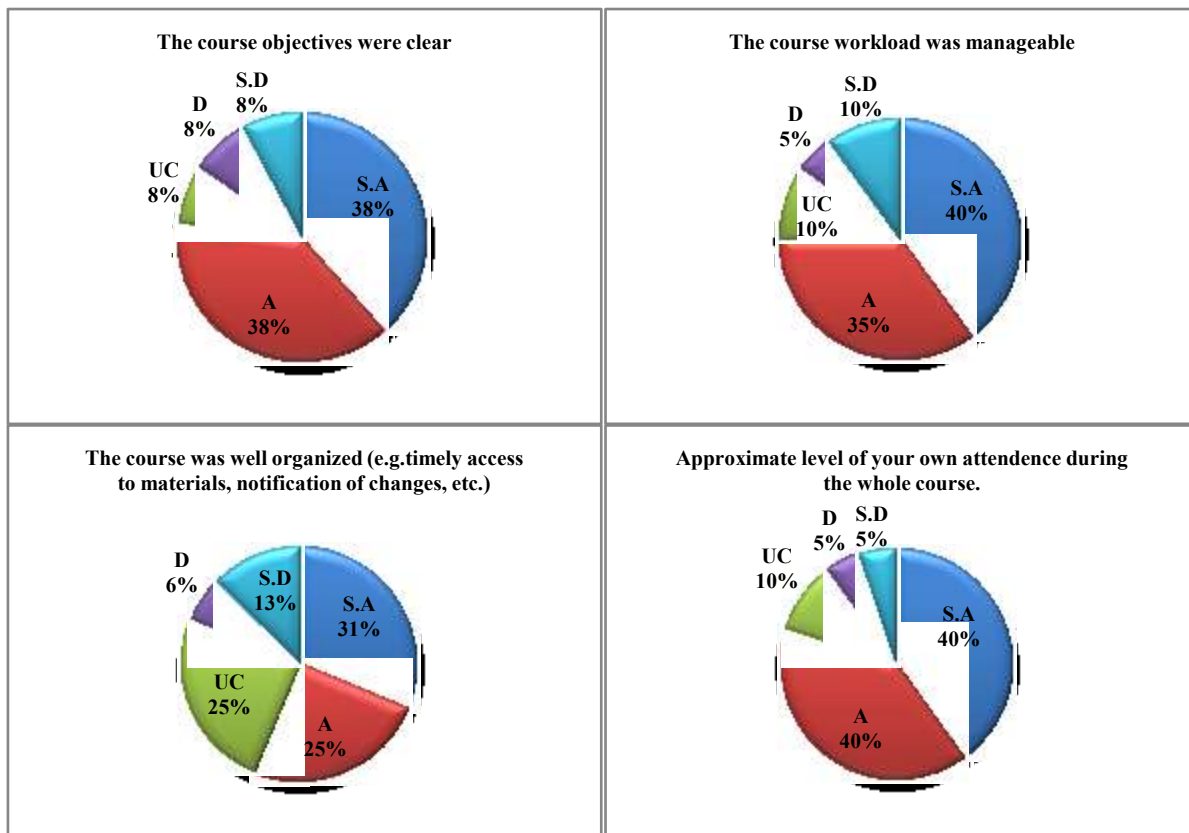
Weaknesses:

- Tutorials should be added
- More practical examples should be added

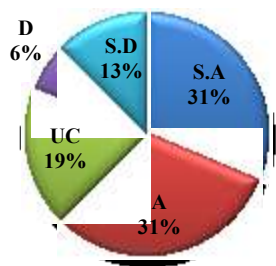
CS-335 (Mr. Muhammad Nazir)

The graph shows that 38% of the students strongly agreed that course objectives are clear. The 38% agreed with the notion while, 8% are uncertain, 8% of the students do not agree and 8% strongly disagreed. The course load was manageable as 40% of the students strongly agreed and 35% of the students agreed while, 10% are uncertain, 5% of the students do not agree and 10% strongly disagreed. The course material was well organized this is strongly agreed by 31% of the students and 25% of the students agreed while, 25% are uncertain, 6% of the students do not

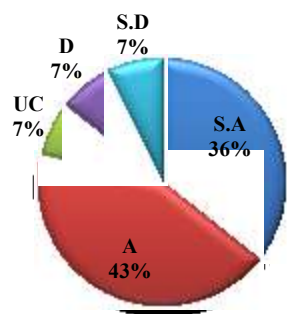
agree and 13% strongly disagreed. The approximate level of attendance of the teacher during the course was good, it is agreed by 40% of the students and 40% strongly agreed while, 10% are uncertain, 5% of the students do not agree and 5% strongly disagreed. The learning and teaching method of the teacher encouraged the participants; this is agreed by 27% of the students and strongly agreed by 42% of the students while, 21% are uncertain, 5% of the students do not agree and 5% strongly disagreed with the concept.



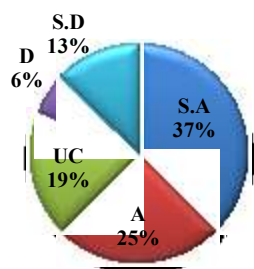
I participated actively in the course



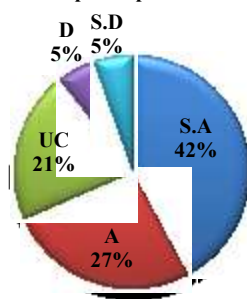
I think I have made progress in this course



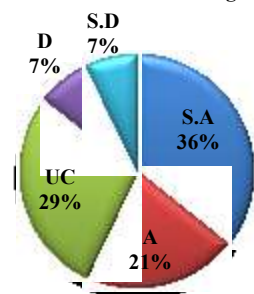
I think the course was well constructed to achieve the learning outcomes (there was a good balance of lecture, tutorials, practical etc.)



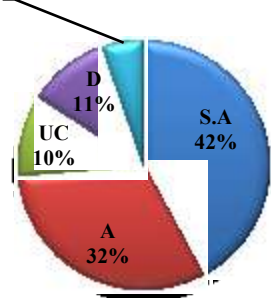
The learning and teaching methods encouraged participation.



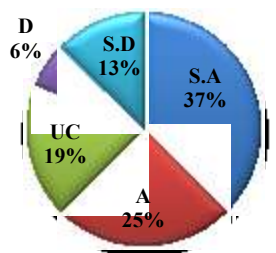
The overall environment in the class was conducive to learning.



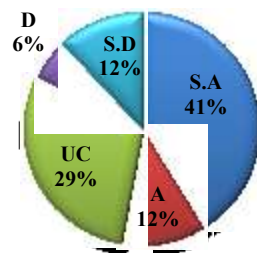
S.D Classrooms were satisfactory



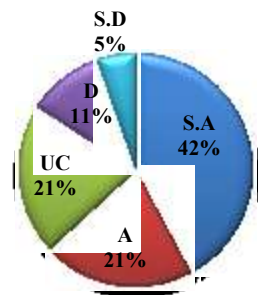
Learning materials (lesson plans, course notes etc.) were relevant and useful.



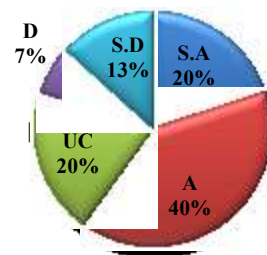
Recommended reading books etc. were relevant and appropriate.



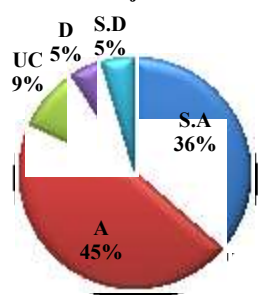
The provision of learning resources in the library was adequate and appropriate.



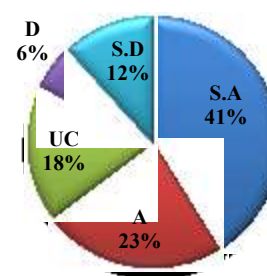
The provision of learning resources on the web was adequate and appropriate. (if relevant)



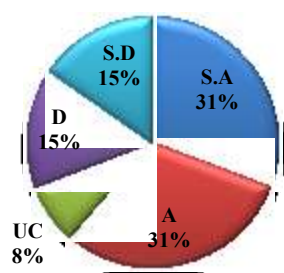
The course stimulated by interest and thought on the subject area.



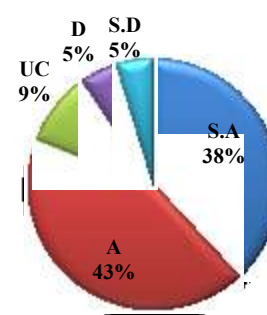
The pace of the course was appropriate



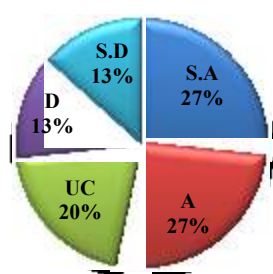
Ideas and concepts were presented clearly



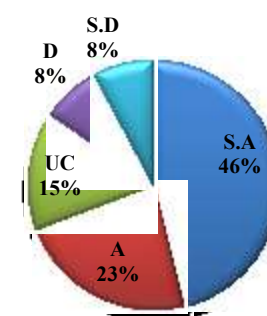
The method of assessment were reasonable



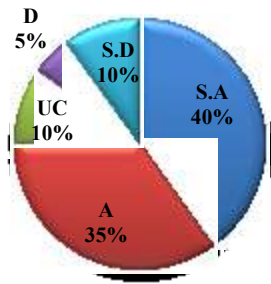
Feedback on assessment was timely



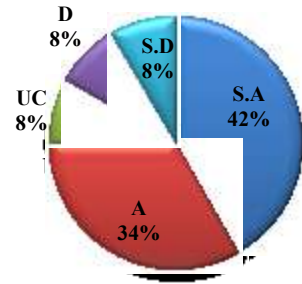
Feedback on assessment was helpful



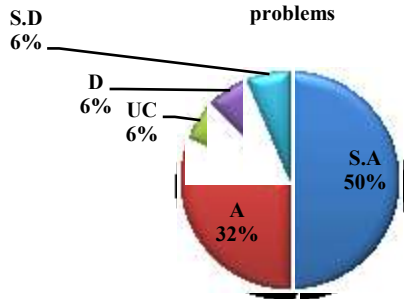
I understood the lectures



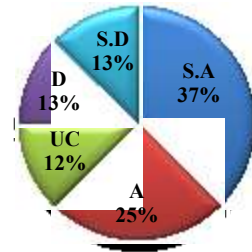
The material was well organized and presented



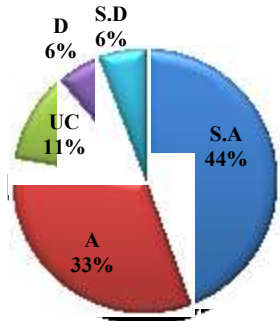
The instructor was responsive to student needs and problems



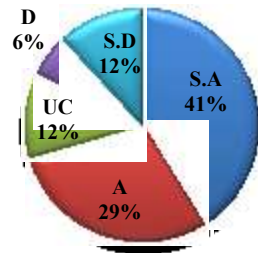
Had the instructor been regular throughout the course?



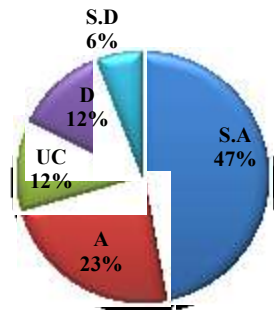
The material in the tutorials was useful



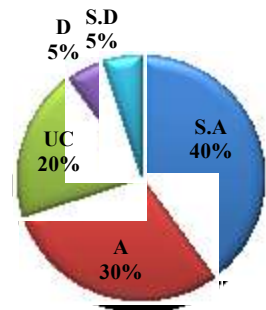
I was happy with the amount of work needed for tutorials

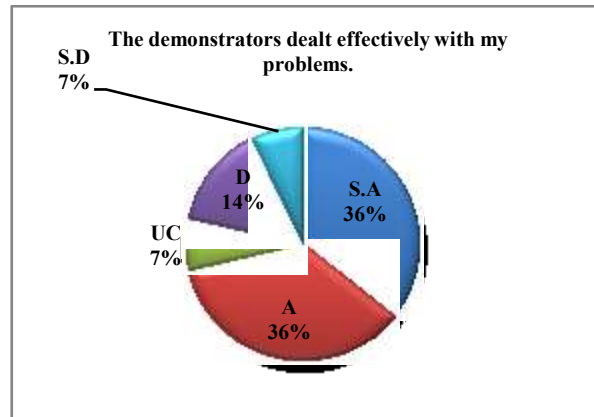


The tutor dealt effectively with my problems



The materials in practical was useful





General Comments of Students about this course:

Strengths :

- Well organized
- Good teaching method

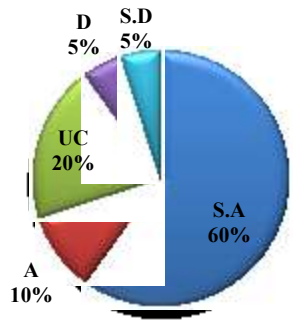
Weaknesses:

- Tutorials should be added
- More practical work

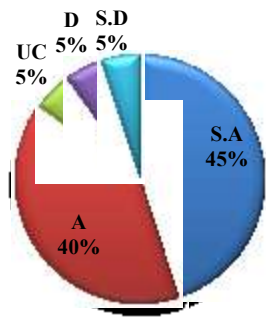
CS-443 (Mr. Muhammad Nazir)

The graph shows that 60% of the students strongly agreed that course objectives are clear. The 10% agreed with the notion while, 20% are uncertain, 5% of the students do not agree and 5% strongly disagreed. Only 5% do not agree and 5% strongly disagree. The course load was manageable as 45% of the students strongly agreed and 40% of the students agreed while, 5% are uncertain, 5% of the students do not agree and 5% strongly disagreed. The course material was well organized this is strongly agreed by 15% of the students and 40% of the students agreed while, 35% are uncertain, 5% of the students do not agree and 5% strongly disagreed. The approximate level of attendance of the teacher during the course was good, it is agreed by 30% of the students and 50% strongly agreed while, 10% are uncertain, 5% of the students do not agree and 5% strongly disagreed. The learning and teaching method of the teacher encouraged the participants; this is agreed by 56% of the students and strongly agreed by 28% of the students while, 5% are uncertain, 5% of the students do not agree and 6% strongly disagreed with the concept.

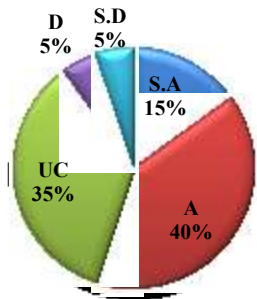
The course objectives were clear



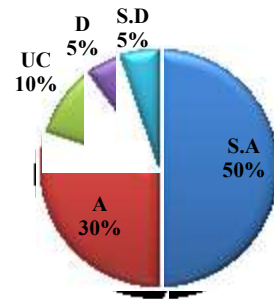
The course workload was manageable



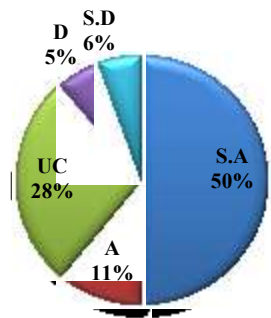
The course was well organized (e.g.timely access to materials, notification of changes, etc.)



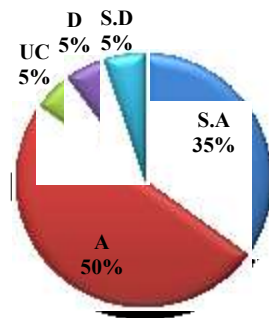
Approximate level of your own attendance during the whole course.



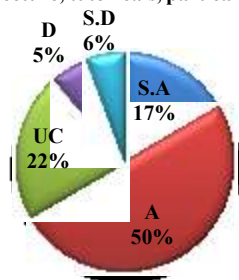
I participated actively in the course



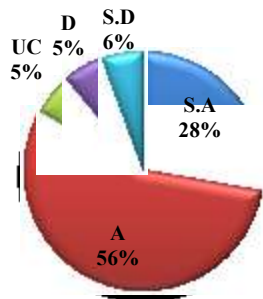
I think I have made progress in this course



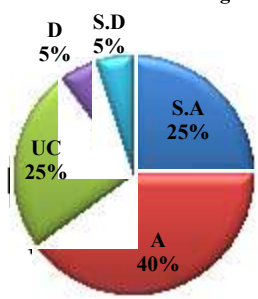
I think the course was well constructed to achieve the learning outcomes (there was a good balance of lecture, tutorials, practical etc.)



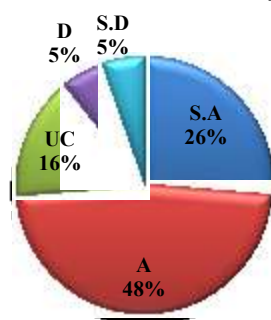
The learning and teaching methods encouraged participation.



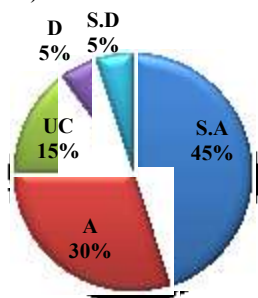
The overall environment in the class was conducive to learning.



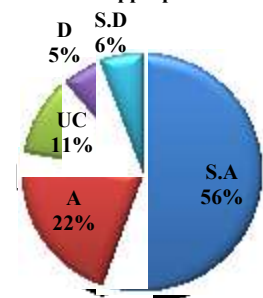
Classrooms were satisfactory



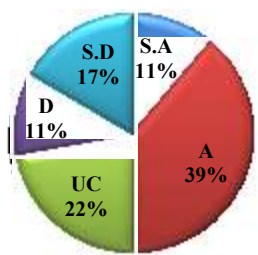
Learning materials (lesson plans, course notes etc.) were relevant and useful.



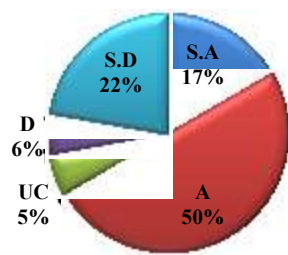
Recommended reading books etc. were relevant and appropriate.



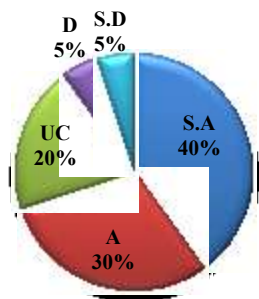
The provision of learning resources in the library was adequate and appropriate.



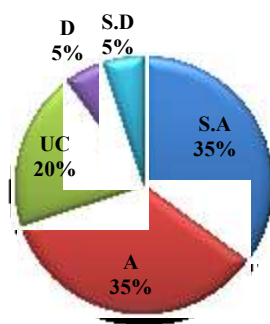
The provision of learning resources on the web was adequate and appropriate. (if relevant)



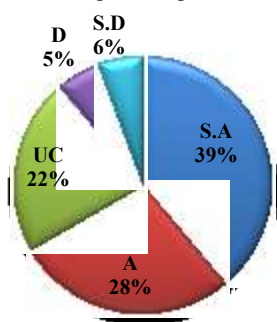
The course stimulated by interest and thought on the subject area.



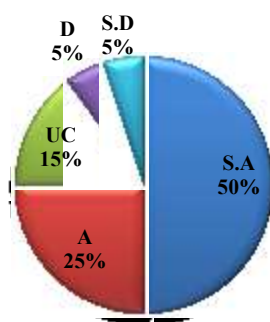
The pace of the course was appropriate



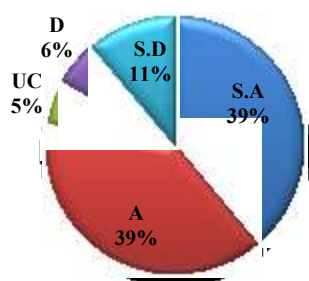
Ideas and concepts were presented clearly



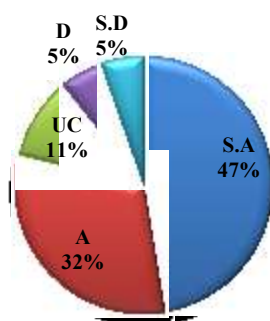
The method of assessment were reasonable



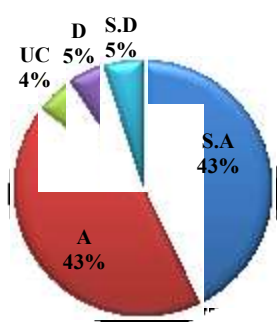
Feedback on assessment was timely



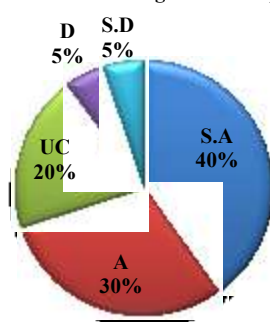
Feedback on assessment was helpful

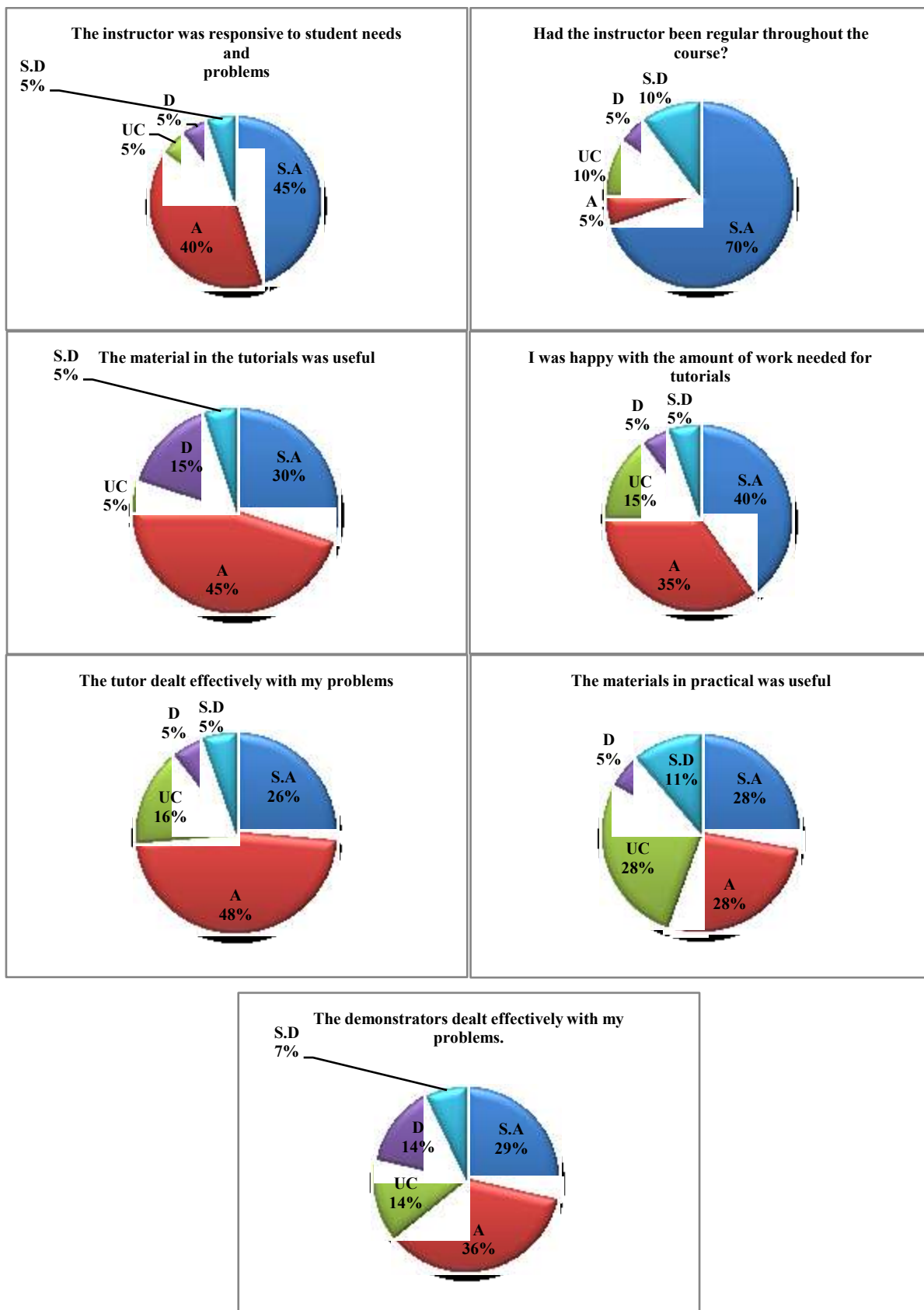


I understood the lectures



The material was well organized and presented





General Comments of Students about this course:

Strengths :

- Effective teaching
- Learning material was good

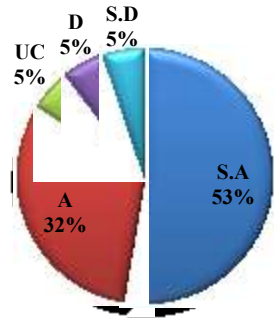
Weaknesses:

- Extra Course Load

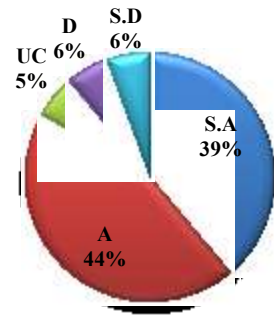
CS-335 (Syed Mushhad Gillani)

The graph shows that 53% of the students strongly agreed that course objectives are clear. The 32% agreed with the notion while, 5% are uncertain, 5% of the students do not agree and 5% strongly disagreed. The course load was manageable as 39% of the students strongly agreed and 44% of the students agreed while, 5% are uncertain, 6% of the students do not agree and 6% strongly disagreed. 6% of the students do not agree and 6% strongly disagree. The course material was well organized this is strongly agreed by 60% of the students and 20% of the students agreed while, 6% are uncertain, 7% of the students do not agree and 7% strongly disagreed. The approximate level of attendance of the teacher during the course was good, it is agreed by 50% of the students and 25% strongly agreed while, 6% are uncertain, 6% of the students do not agree and 13% strongly disagreed. The learning and teaching method of the teacher encouraged the participants; this is agreed by 60% of the students and strongly agreed by 20% of the students while, 6% are uncertain, 7% of the students do not agree and 7% strongly disagreed.

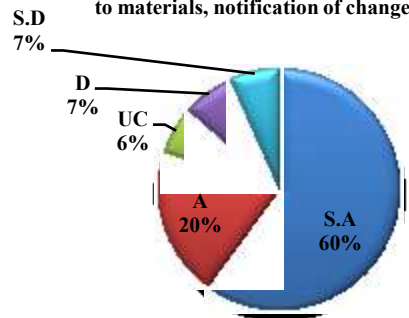
The course objectives were clear



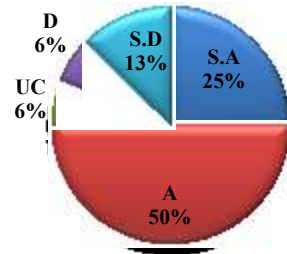
The course workload was manageable



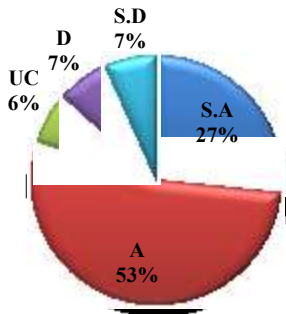
The course was well organized (e.g.timely access to materials, notification of changes, etc.)



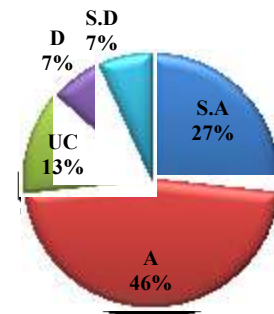
Approximate level of your own attendance during the whole course.



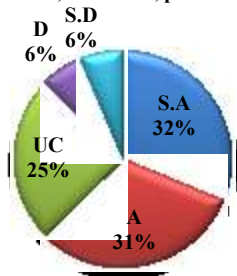
I participated actively in the course



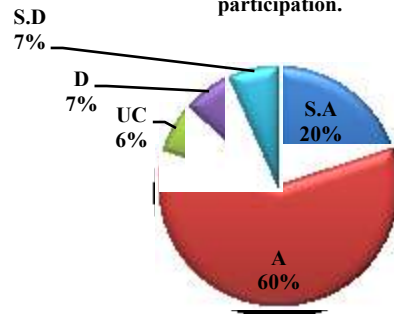
I think I have made progress in this course



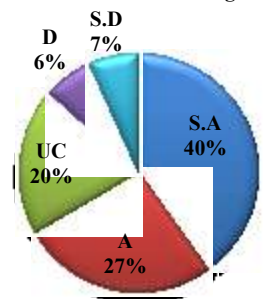
I think the course was well constructed to achieve the learning outcomes (there was a good balance of lecture, tutorials, partical etc.)



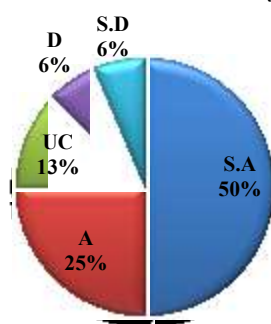
The learning and teaching methods encouraged participation.



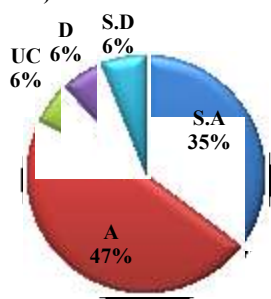
The overall environment in the class was conducive to learning.



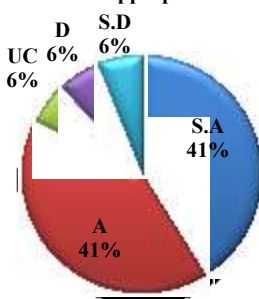
Classrooms were satisfactory



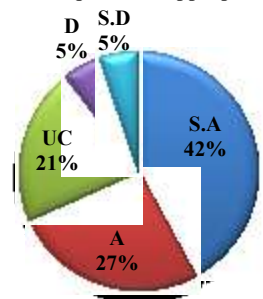
Learning materials (lesson plans, course notes etc.) were relevant and useful.



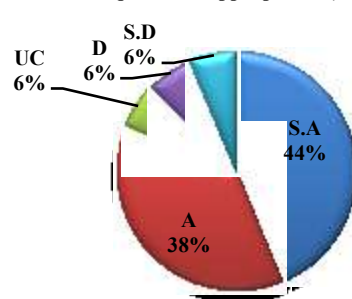
Recommended reading books etc. were relevant and appropriate.



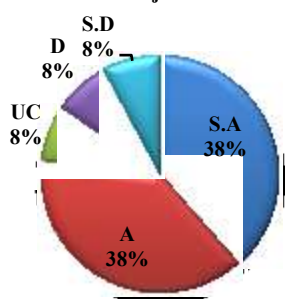
The provision of learning resources in the library was adequate and appropriate.



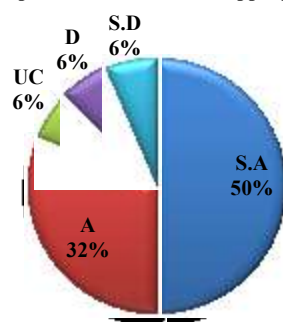
The provision of learning resources on the web was adequate and appropriate. (if relevant)



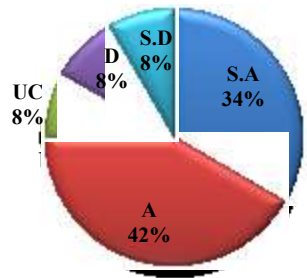
The course stimulated by interest and thought on the subject area.



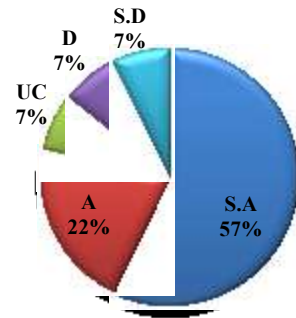
The pace of the course was appropriate



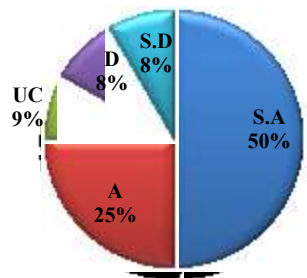
Ideas and concepts were presented clearly



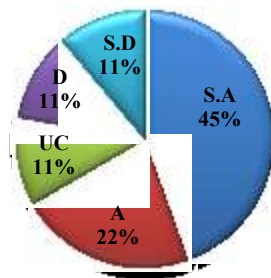
The method of assessment were reasonable



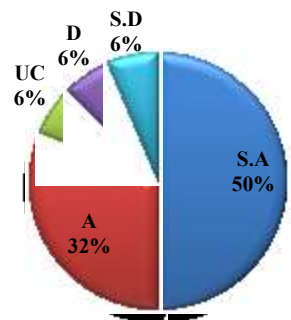
Feedback on assessment was timely



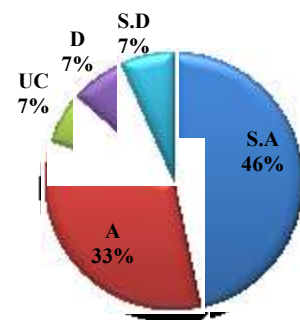
Feedback on assessment was helpful



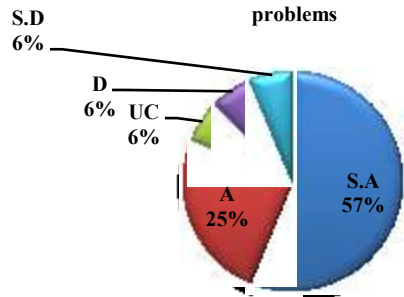
I understood the lectures



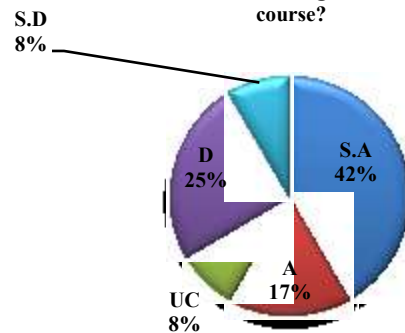
The material was well organized and presented

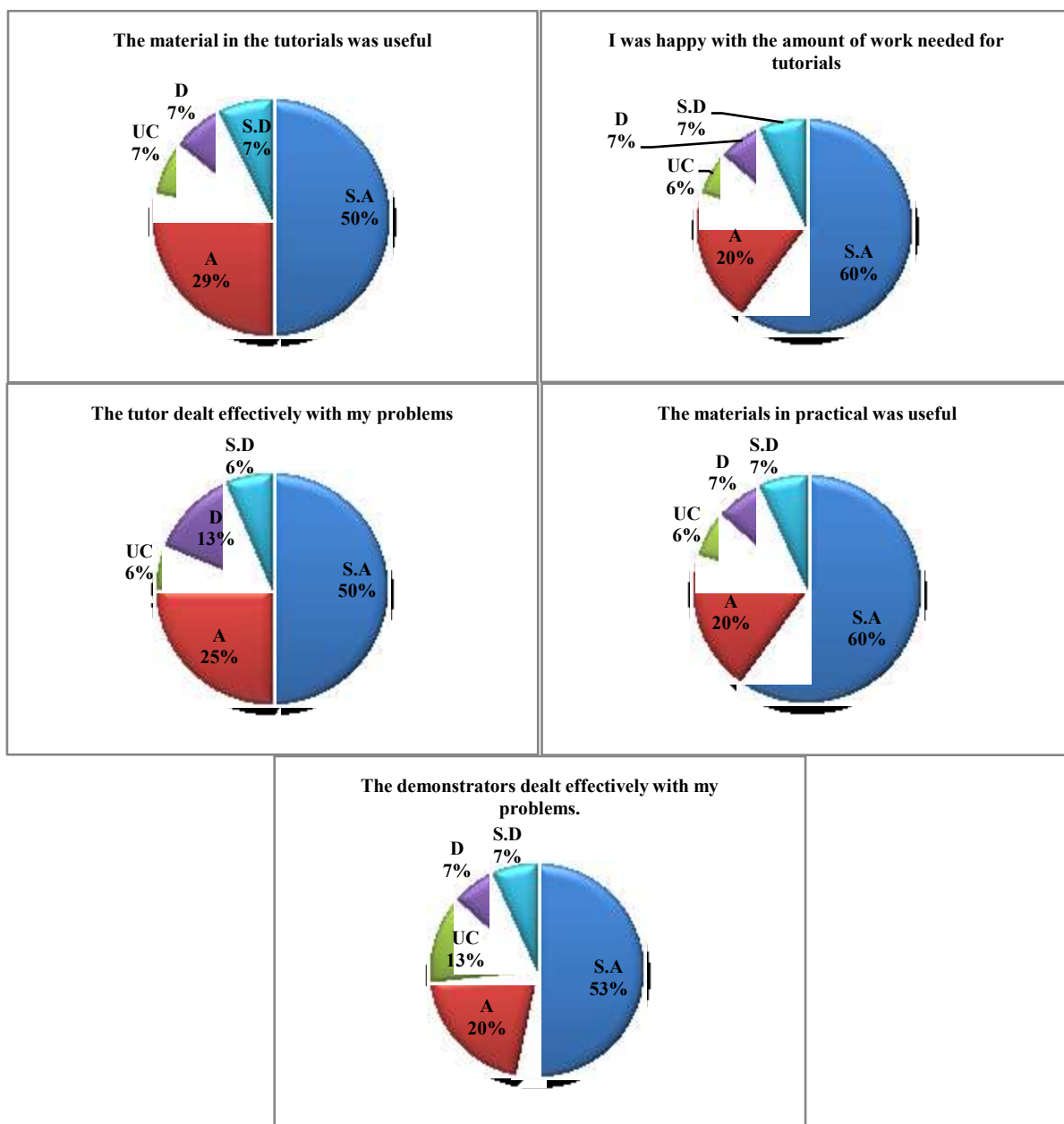


The instructor was responsive to student needs and problems



Had the instructor been regular throughout the course?





General Comments of Students about this course:

Strengths :

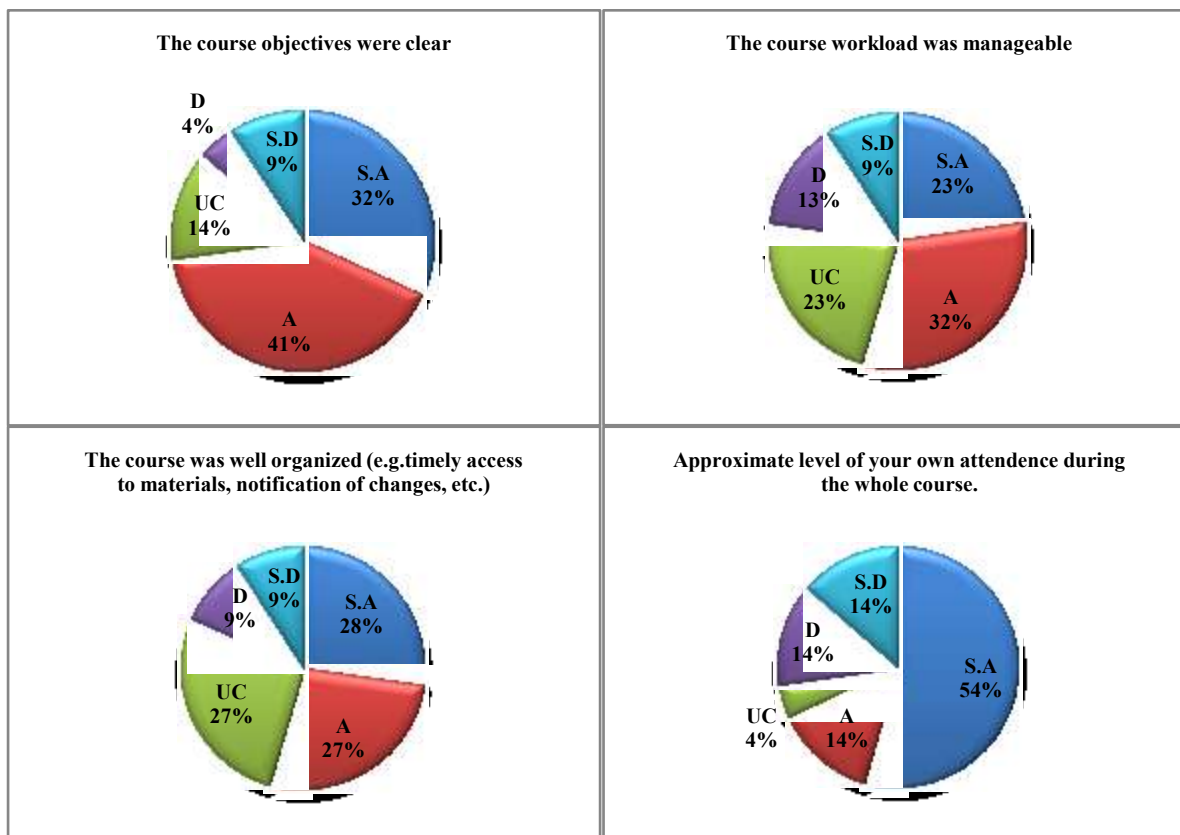
- Understanding of the course
- Clear Objectives
- Well organized material

Weaknesses:

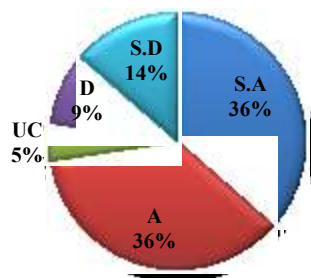
- More practical material should be added

CS- 443(Dr. Nawazish Naveed)

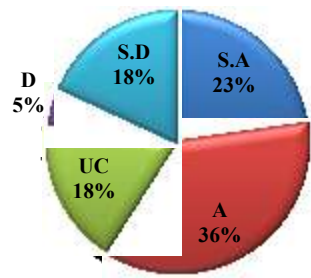
The graph shows the detail of evaluation. The graph for “The course objectives were clear”, shows that 32% are strongly agreed, 41% are agreed, 14% are uncertain, 4% disagreed and 9% are strongly disagreed. The graph for “The course workload was manageable”, shows that 23% are strongly agreed, 32% are agreed, 23% are uncertain, 13% disagreed and 9% are strongly disagreed. The graph for “Classrooms were satisfactory”, shows that 18% are strongly agreed, 39% are agreed, 22% are uncertain, 4% disagreed and 17% are strongly disagreed. The graph for “Feedback on assessment was timely”, shows that 14% are strongly agreed, 50% are agreed, 18% are uncertain, 4% disagreed and 14% are strongly disagreed. The graph for “The tutor dealt effectively with my problems”, shows that 36% are strongly agreed, 27% are agreed, 23% are uncertain, 5% disagreed and 9% are strongly disagreed. The graph for “The materials in practical was useful”, shows that 9% are strongly agreed, 45% are agreed, 14% are uncertain, 18% disagreed and 14% are strongly disagreed. The graph for “Ideas and concepts were presented clearly”, shows that 13% are strongly agreed, 49% are agreed, 14% are uncertain, 14% disagreed and 14% are strongly disagreed.



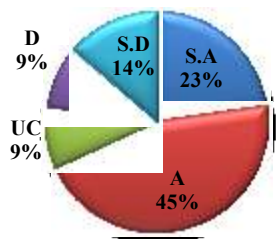
I participated actively in the course



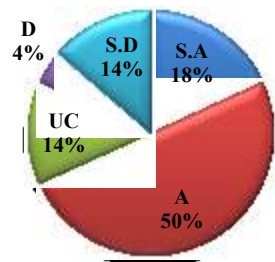
I think I have made progress in this course



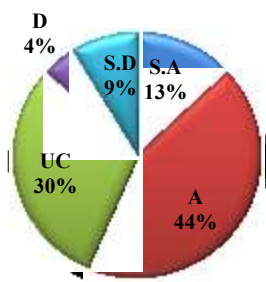
I think the course was well constructed to achieve the learning outcomes (there was a good balance of lecture, tutorials, practical etc.)



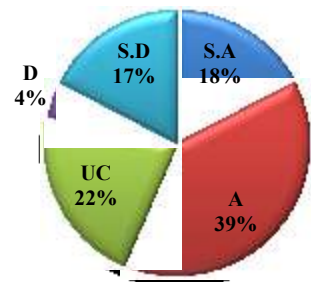
The learning and teaching methods encouraged participation.



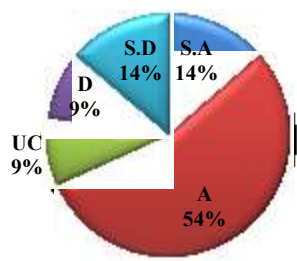
The overall environment in the class was conducive to learning.



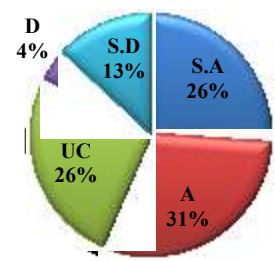
Classrooms were satisfactory



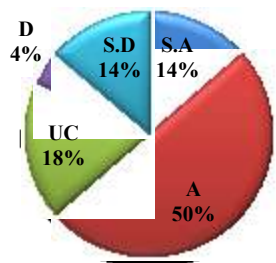
Learning materials (lesson plans, course notes etc.) were relevant and useful.



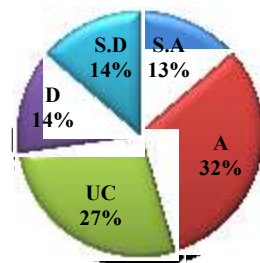
Recommended reading books etc. were relevant and appropriate.



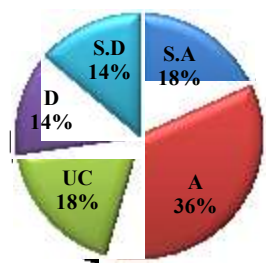
The provision of learning resources in the library was adequate and appropriate.



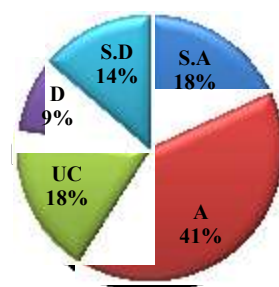
The provision of learning resources on the web was adequate and appropriate. (if relevant)



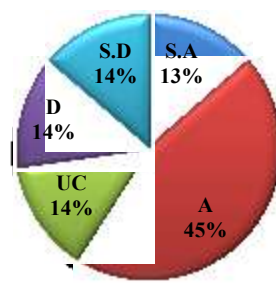
The course stimulated by interest and thought on the subject area.



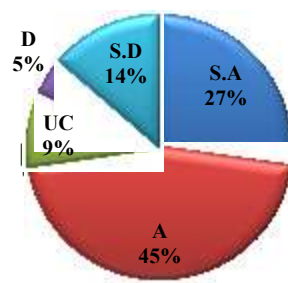
The pace of the course was appropriate



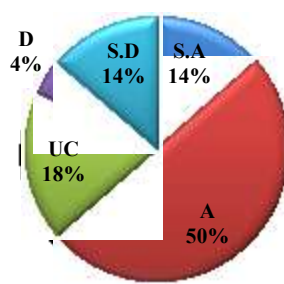
Ideas and concepts were presented clearly



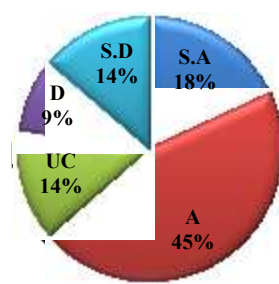
The method of assessment were reasonable



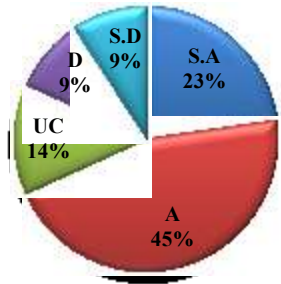
Feedback on assessment was timely



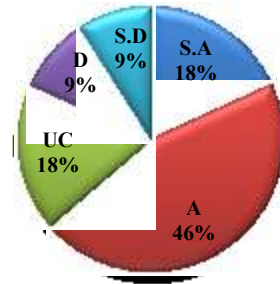
Feedback on assessment was helpful



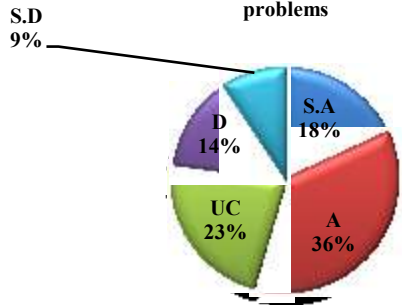
I understood the lectures



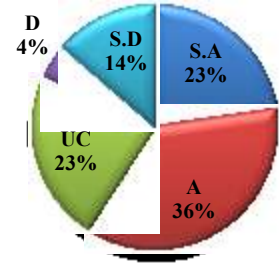
The material was well organized and presented



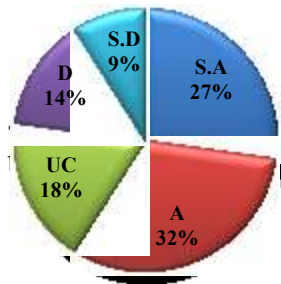
The instructor was responsive to student needs and problems



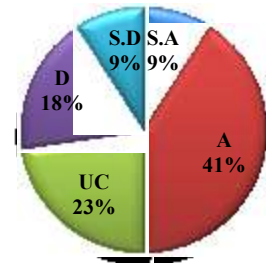
Had the instructor been regular throughout the course?



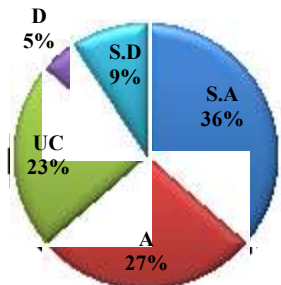
The material in the tutorials was useful



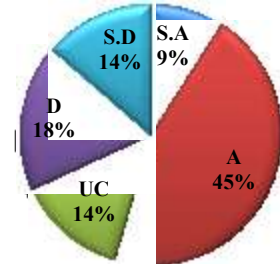
I was happy with the amount of work needed for tutorials

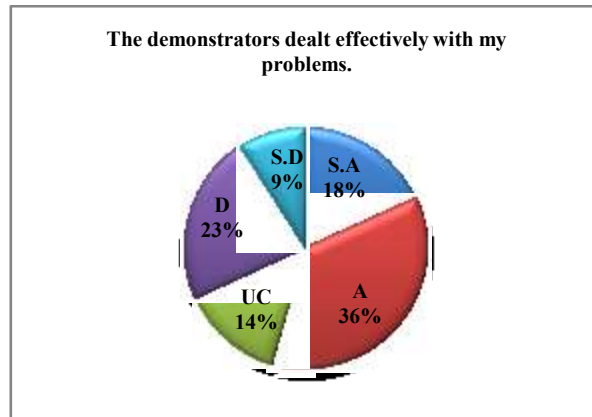


The tutor dealt effectively with my problems



The materials in practical was useful





General Comments of the Students about this Course

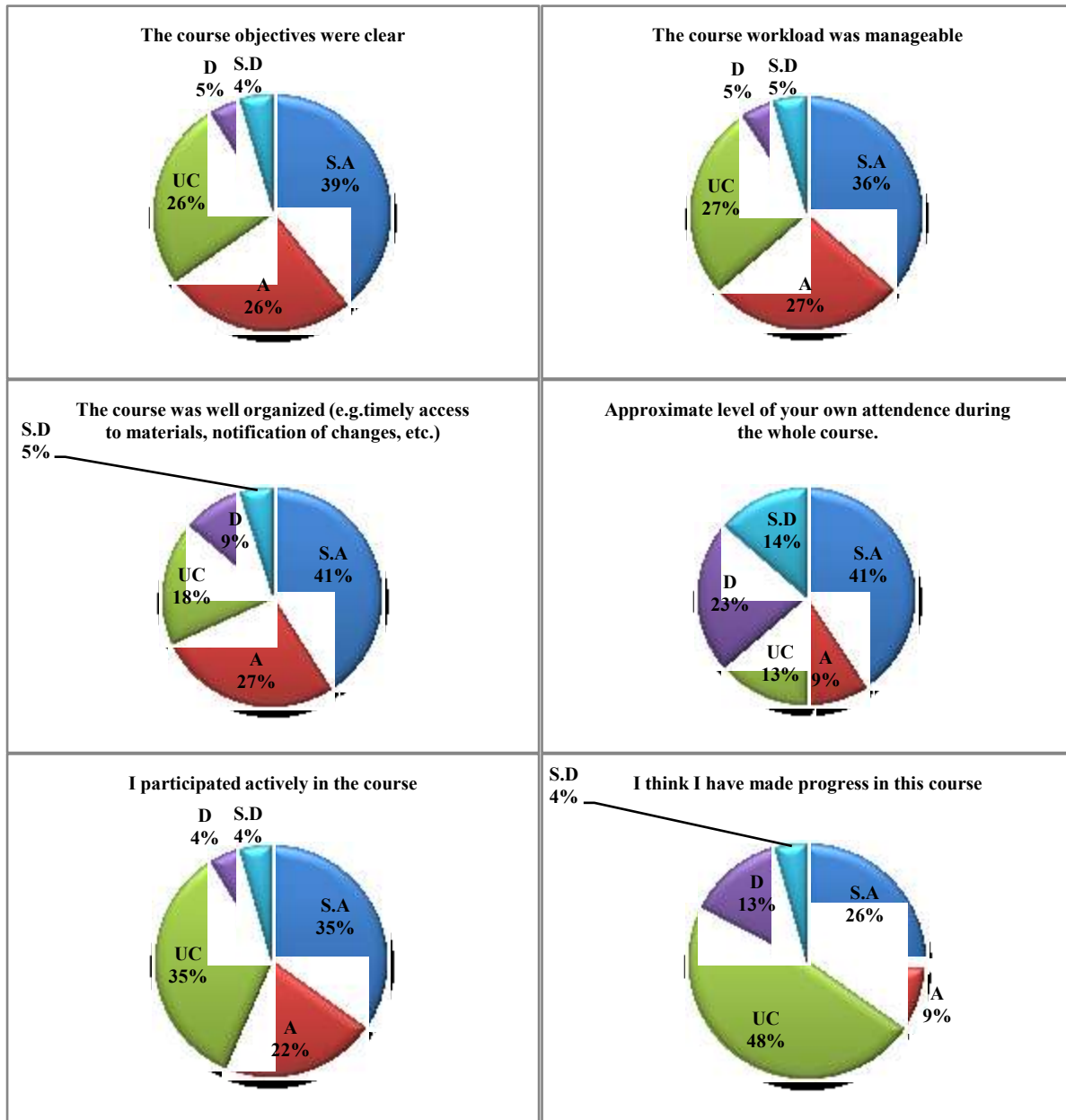
Weaknesses:

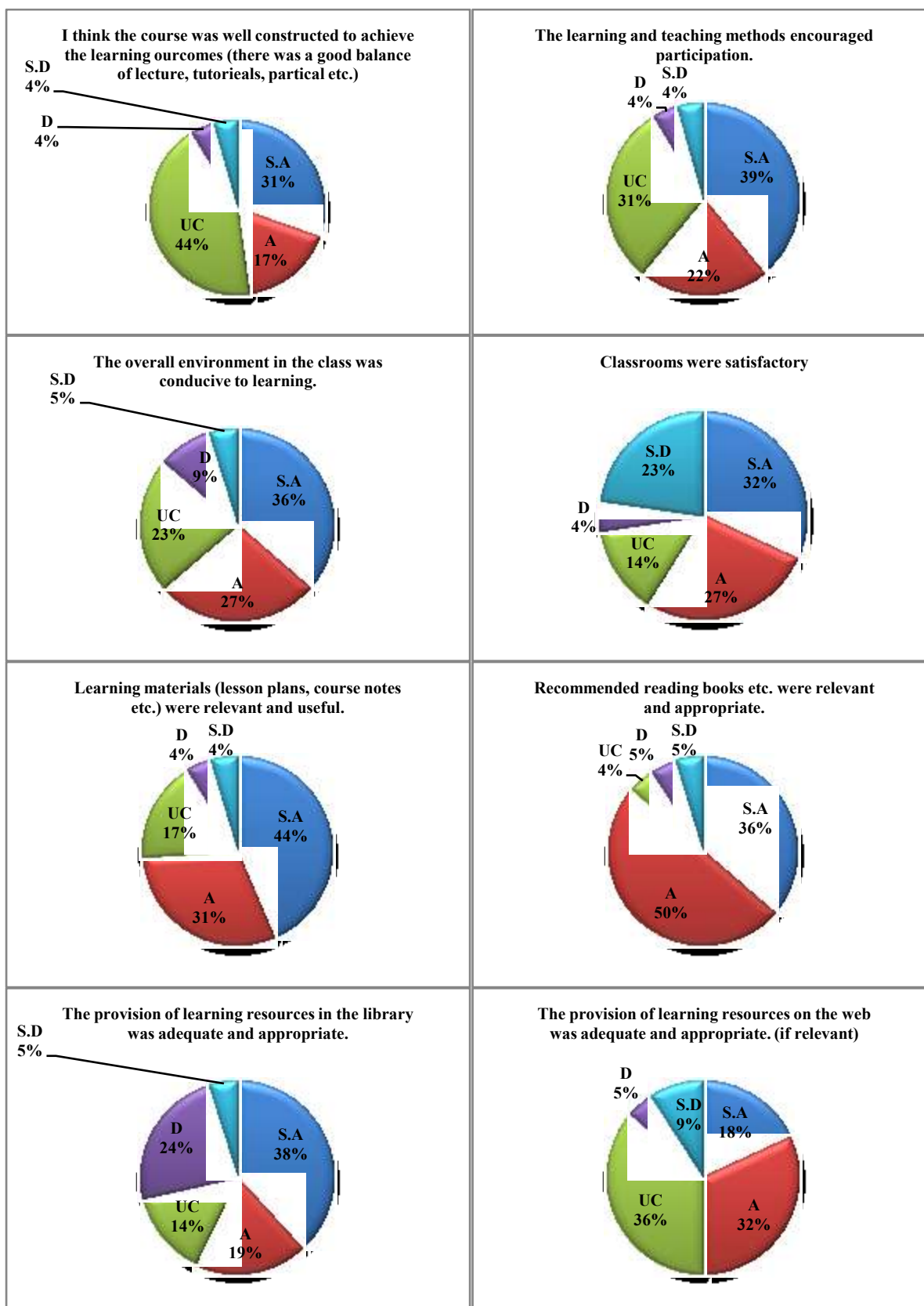
- The course should be upgraded and updated.
- Learning environment and resources were not satisfactory.
- Course objectives must be clearly defined.
- The course should include modern knowledge and techniques.

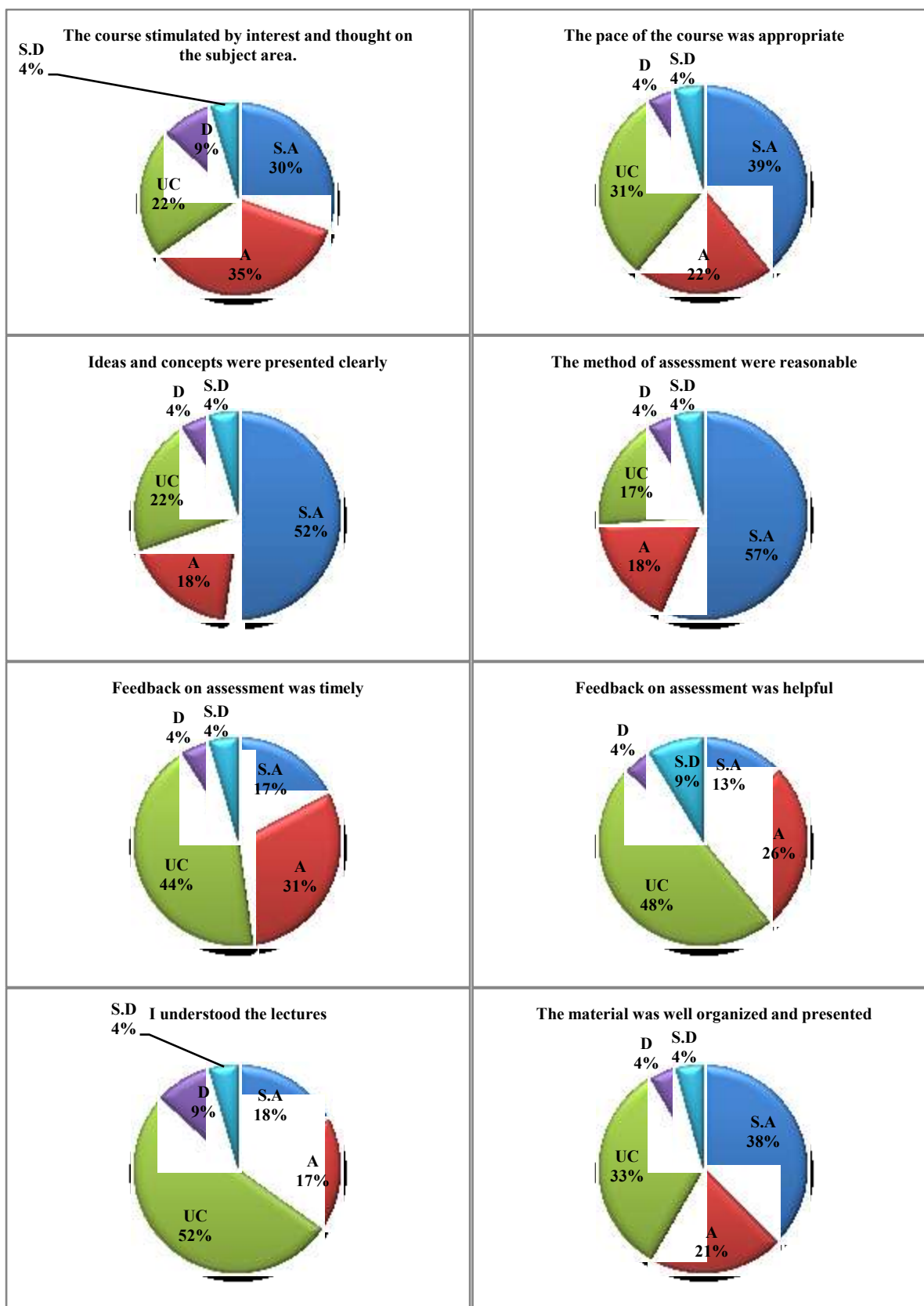
CS-542 (Dr. Nawazish Naveed)

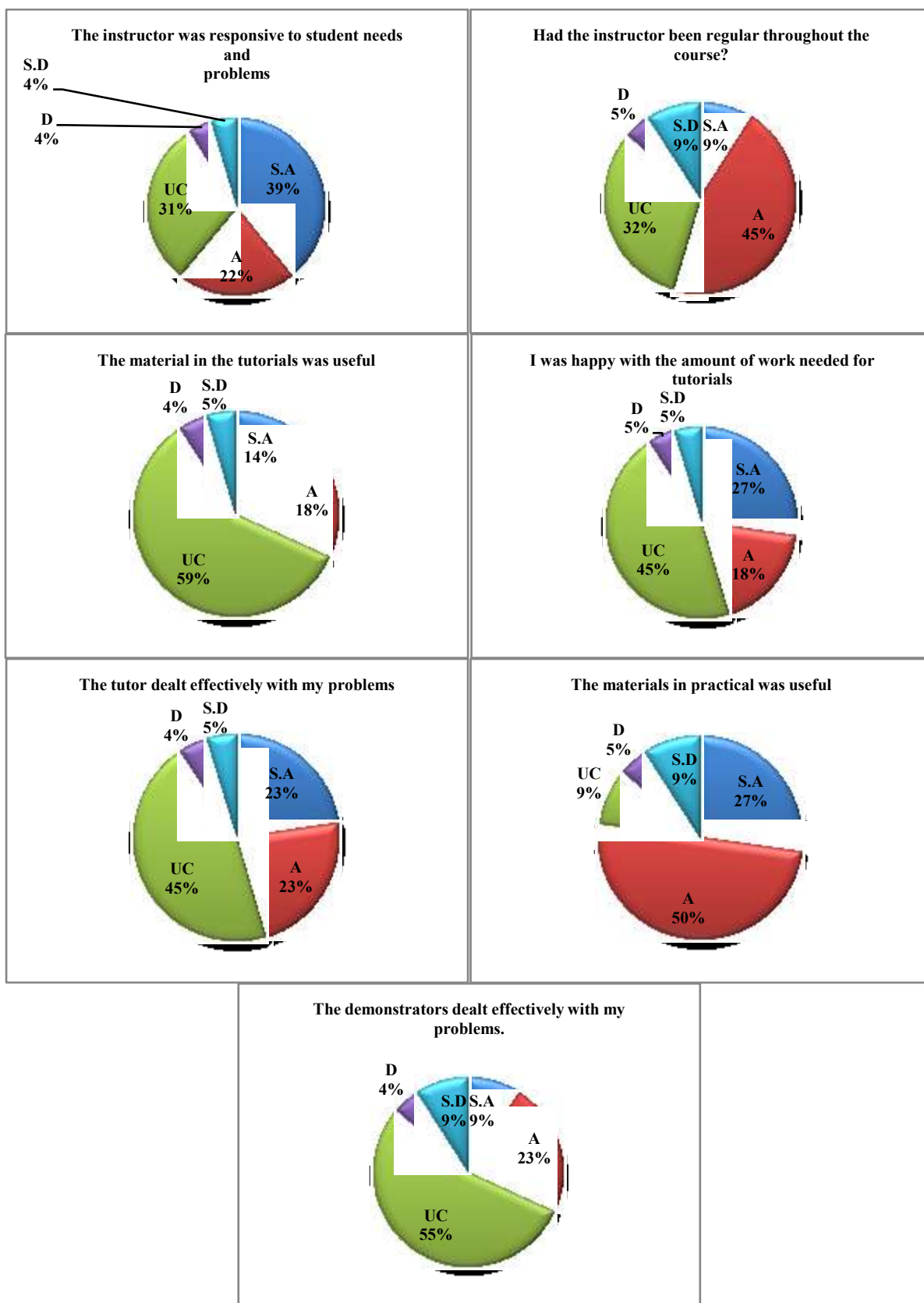
The graph shows the detail of evaluation. The graph for “The course objectives were clear”, shows that 39% are strongly agreed, 26% are agreed, 26% are uncertain, 5% disagreed and 4% are strongly disagreed. The graph for “The course workload was manageable”, shows that 36% are strongly agreed, 27% are agreed, 27% are uncertain, 5% disagreed and 5% are strongly disagreed. The graph for “Classrooms were satisfactory”, shows that 32% are strongly agreed, 27% are agreed, 14% are uncertain, 4% disagreed and 23% are strongly disagreed. The graph for “Feedback on assessment was timely”, shows that 17% are strongly agreed, 31% are agreed, 42% are uncertain, 4% disagreed and 4% are strongly disagreed. The graph for “The tutor dealt effectively with my problems”, shows that 23% are strongly agreed, 23% are agreed, 45% are uncertain, 4% disagreed and 5% are strongly disagreed. The graph for “The materials in practical was useful”, shows that 27% are strongly agreed, 50% are agreed, 9% are uncertain, 5% disagreed and 9% are strongly disagreed. The graph for “Ideas and concepts were presented

clearly”, shows that 52% are strongly agreed, 18% are agreed, 22% are uncertain, 4% disagreed and 4% are strongly disagreed.









General Comments of the Students about this Course

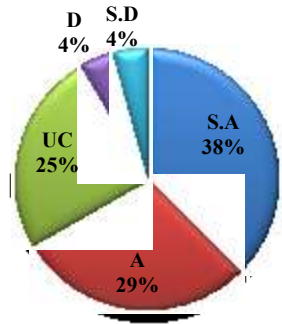
Weaknesses:

- Learning environment and resources were not satisfactory.
- Course objectives must be clearly defined.
- The course should include modern knowledge and techniques.

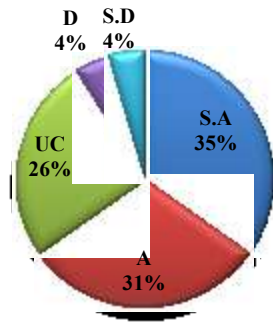
CS-542 (Mr. Yasir Hafeez)

The graph shows the detail of evaluation. The graph for “The course objectives were clear”, shows that 38% are strongly agreed, 29% are agreed, 25% are uncertain, 4% disagreed and 4% are strongly disagreed. The graph for “The course workload was manageable”, shows that 35% are strongly agreed, 31% are agreed, 26% are uncertain, 4% disagreed and 4% are strongly disagreed. The graph for “Classrooms were satisfactory”, shows that 22% are strongly agreed, 39% are agreed, 22% are uncertain, 8% disagreed and 9% are strongly disagreed. The graph for “Feedback on assessment was timely”, shows that 21% are strongly agreed, 42% are agreed, 29% are uncertain, 4% disagreed and 4% are strongly disagreed. The graph for “The tutor dealt effectively with my problems”, shows that 22% are strongly agreed, 26% are agreed, 44% are uncertain, 4% disagreed and 4% are strongly disagreed. The graph for “The materials in practical was useful”, shows that 4% are strongly agreed, 52% are agreed, 31% are uncertain, 4% disagreed and 9% are strongly disagreed. The graph for “Ideas and concepts were presented clearly”, shows that 25% are strongly agreed, 42% are agreed, 21% are uncertain, 8% disagreed and 4% are strongly disagreed.

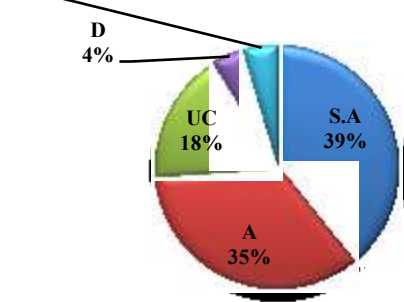
The course objectives were clear



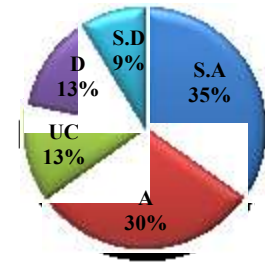
The course workload was manageable



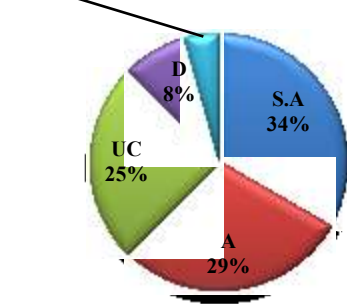
The course was well organized (e.g.timely access to materials, notification of changes, etc.)



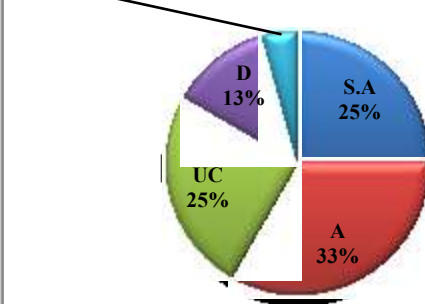
Approximate level of your own attendance during the whole course.



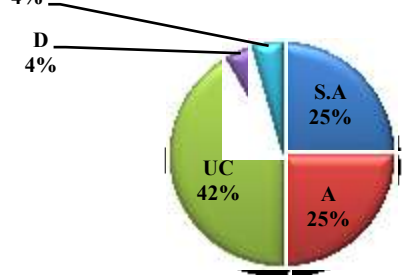
I participated actively in the course



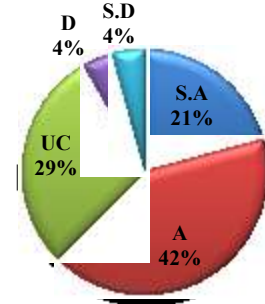
I think I have made progress in this course

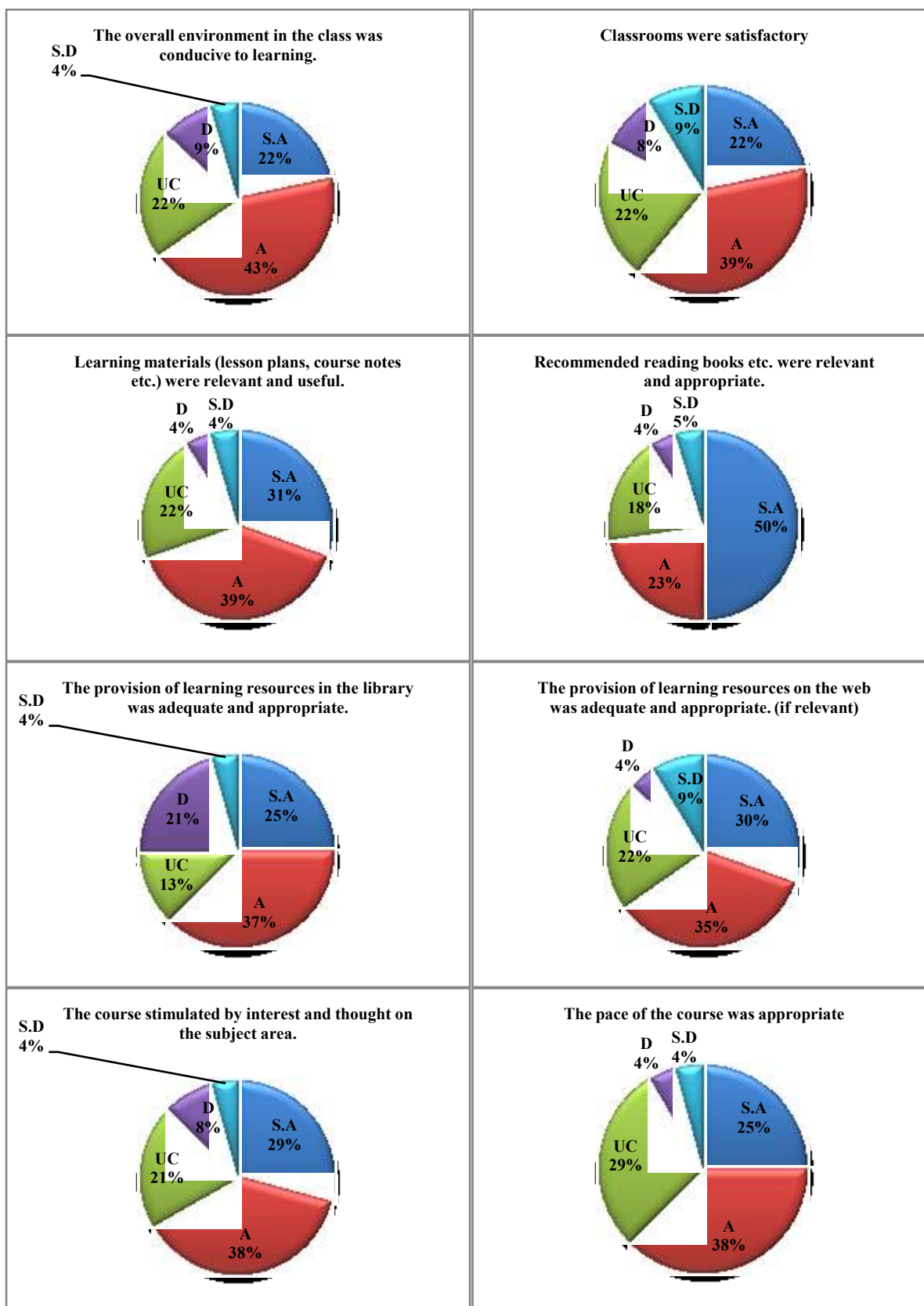


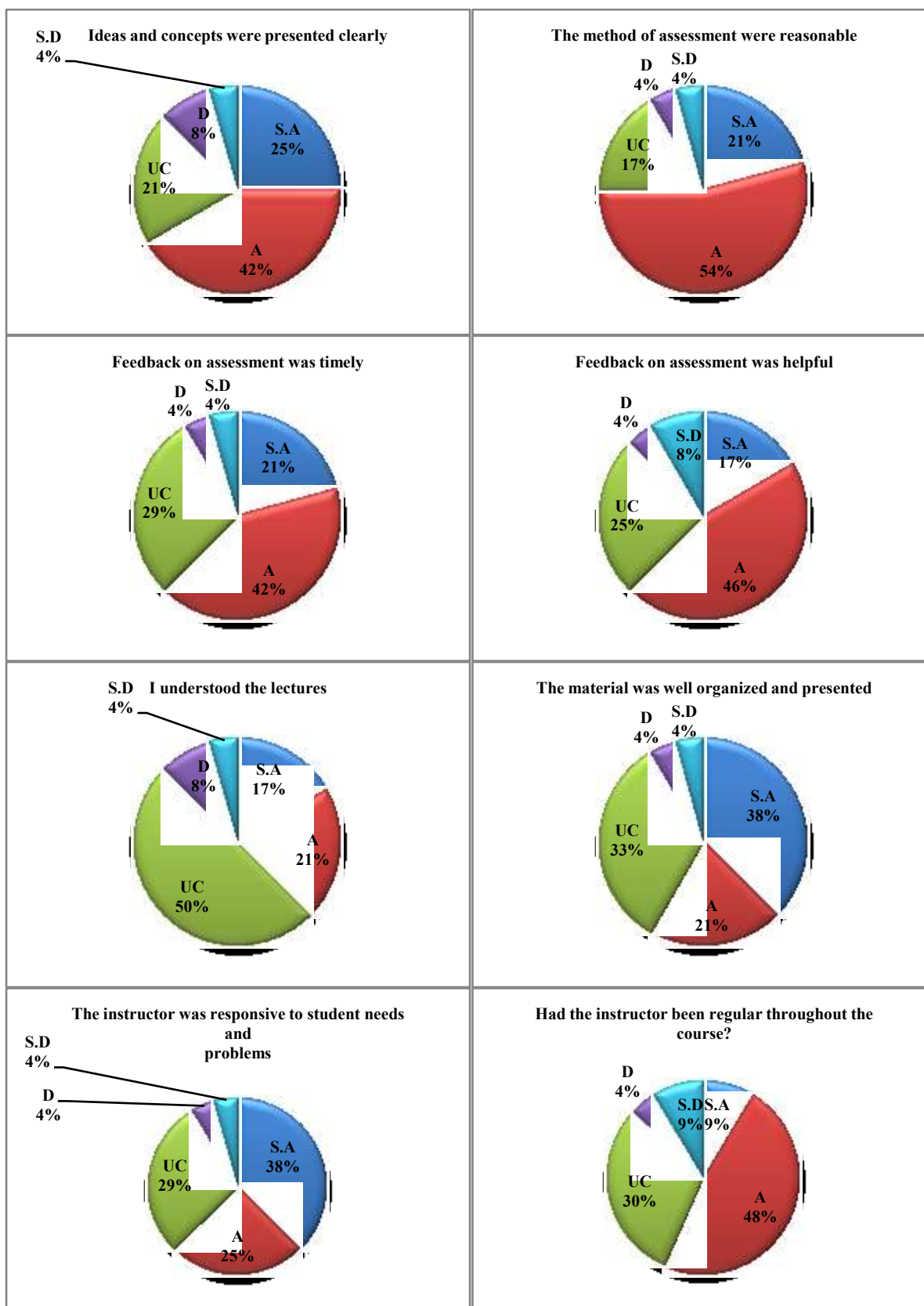
I think the course was well constructed to achieve the learning ourcomes (there was a good balance of lecture, tutorieals, partical etc.)

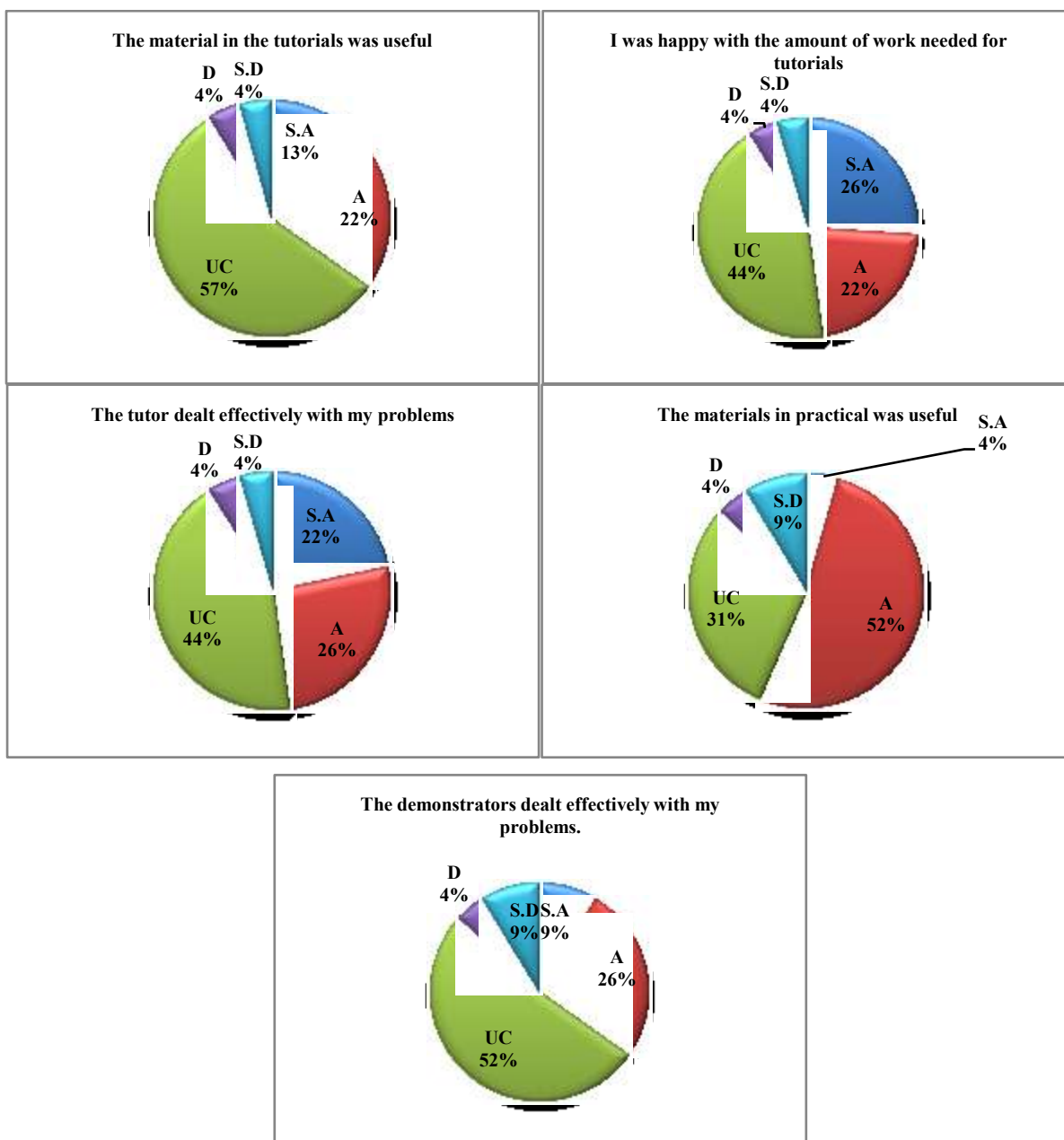


The learning and teaching methods encouraged participation.









General Comments of the Students about this Course

Strengths:

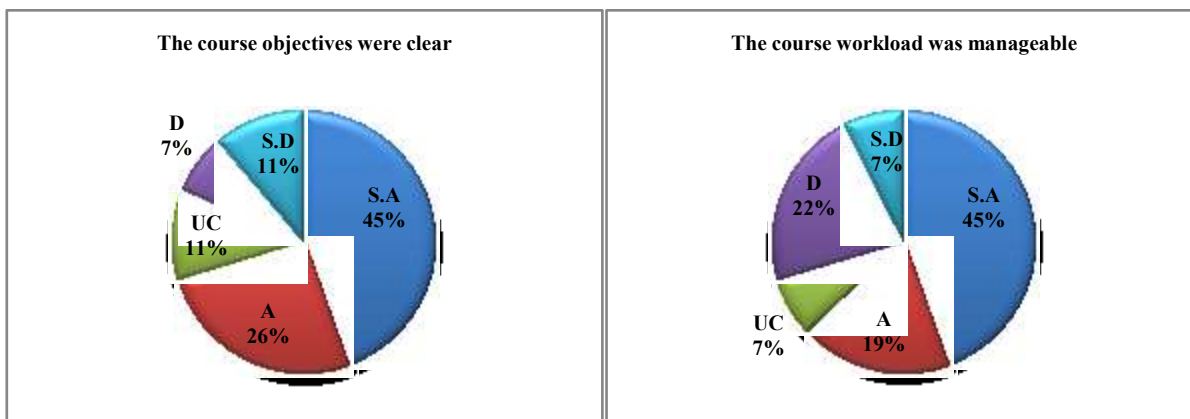
- Good teaching method
- Practical material was helpful

Weaknesses:

- Course objectives must be clearly defined.
- The course should include modern knowledge and techniques.

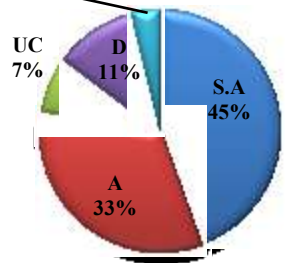
CS-452 (Ms. Rubina Ghazal)

The graph shows the detail of evaluation. The graph for “The course objectives were clear”, shows that 45% are strongly agreed, 26% are agreed, 11% are uncertain, 7% disagreed and 11% are strongly disagreed. The graph for “The course workload was manageable”, shows that 45% are strongly agreed, 19% are agreed, 7% are uncertain, 22% disagreed and 7% are strongly disagreed. The graph for “Classrooms were satisfactory”, shows that 24% are strongly agreed, 46% are agreed, 9% are uncertain, 9% disagreed and 12% are strongly disagreed. The graph for “Feedback on assessment was timely”, shows that 28% are strongly agreed, 17% are agreed, 28% are uncertain, 24% disagreed and 3% are strongly disagreed. The graph for “The tutor dealt effectively with my problems”, shows that 28% are strongly agreed, 24% are agreed, 31% are uncertain, 10% disagreed and 7% are strongly disagreed. The graph for “The materials in practical was useful”, shows that 23% are strongly agreed, 23% are agreed, 20% are uncertain, 20% disagreed and 14% are strongly disagreed. The graph for “Ideas and concepts were presented clearly”, shows that 31% are strongly agreed, 31% are agreed, 23% are uncertain, 4% disagreed and 11% are strongly disagreed.

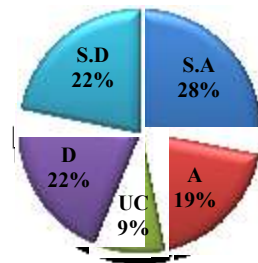


The course was well organized (e.g.timely access to materials, notification of changes, etc.)

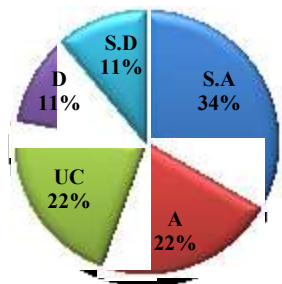
S.D
4%



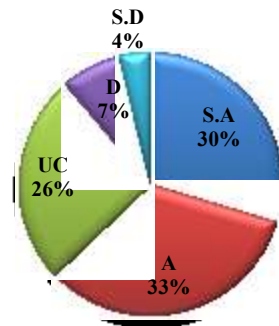
Approximate level of your own attendance during the whole course.



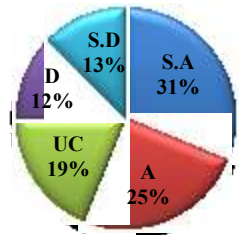
I participated actively in the course



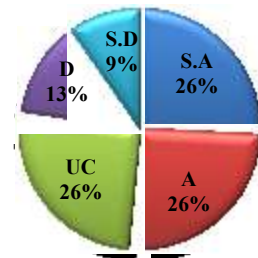
I think I have made progress in this course



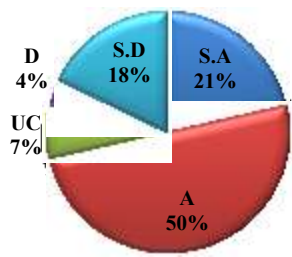
I think the course was well constructed to achieve the learning outcomes (there was a good balance of lecture, tutorials, practical etc.)



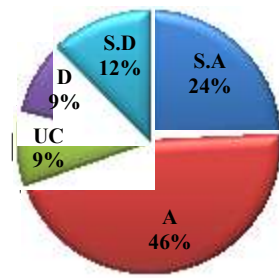
The learning and teaching methods encouraged participation.



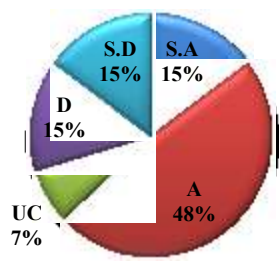
The overall environment in the class was conducive to learning.



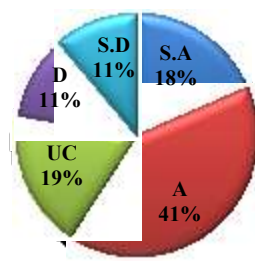
Classrooms were satisfactory



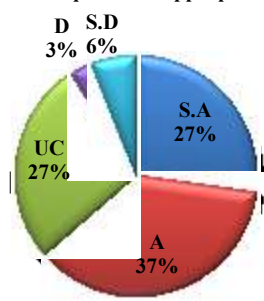
Learning materials (lesson plans, course notes etc.) were relevant and useful.



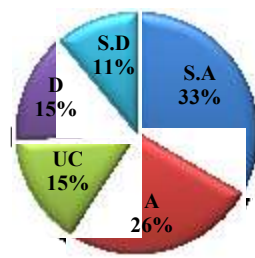
Recommended reading books etc. were relevant and appropriate.



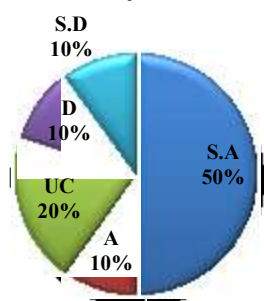
The provision of learning resources in the library was adequate and appropriate.



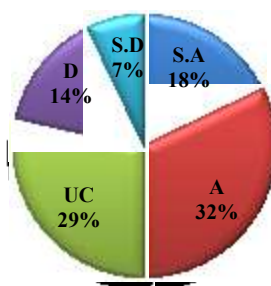
The provision of learning resources on the web was adequate and appropriate. (if relevant)



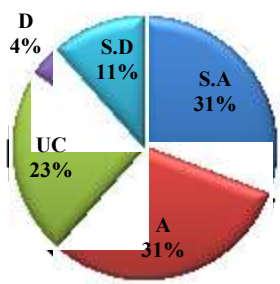
The course stimulated by interest and thought on the subject area.



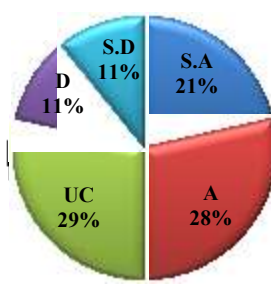
The pace of the course was appropriate



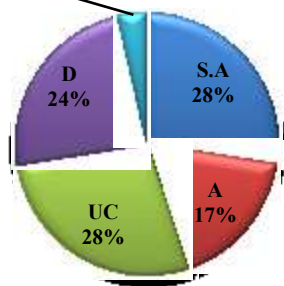
Ideas and concepts were presented clearly



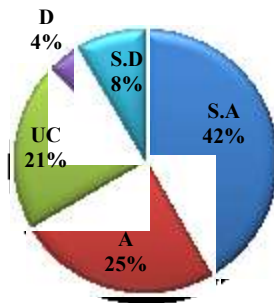
The method of assessment were reasonable



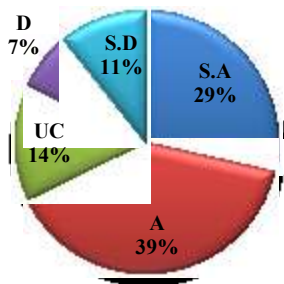
Feedback on assessment was timely



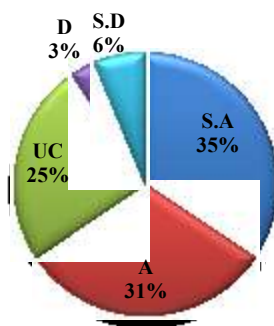
Feedback on assessment was helpful



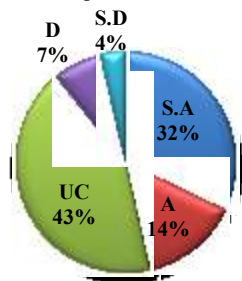
I understood the lectures



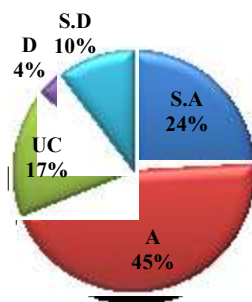
The material was well organized and presented



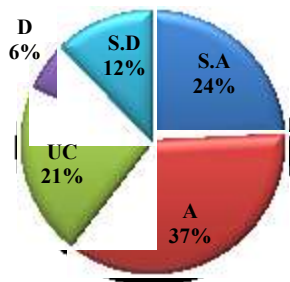
The instructor was responsive to student needs and problems



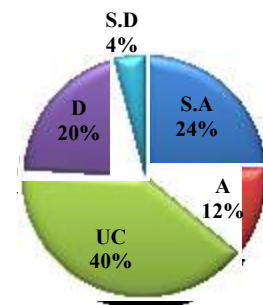
Had the instructor been regular throughout the course?

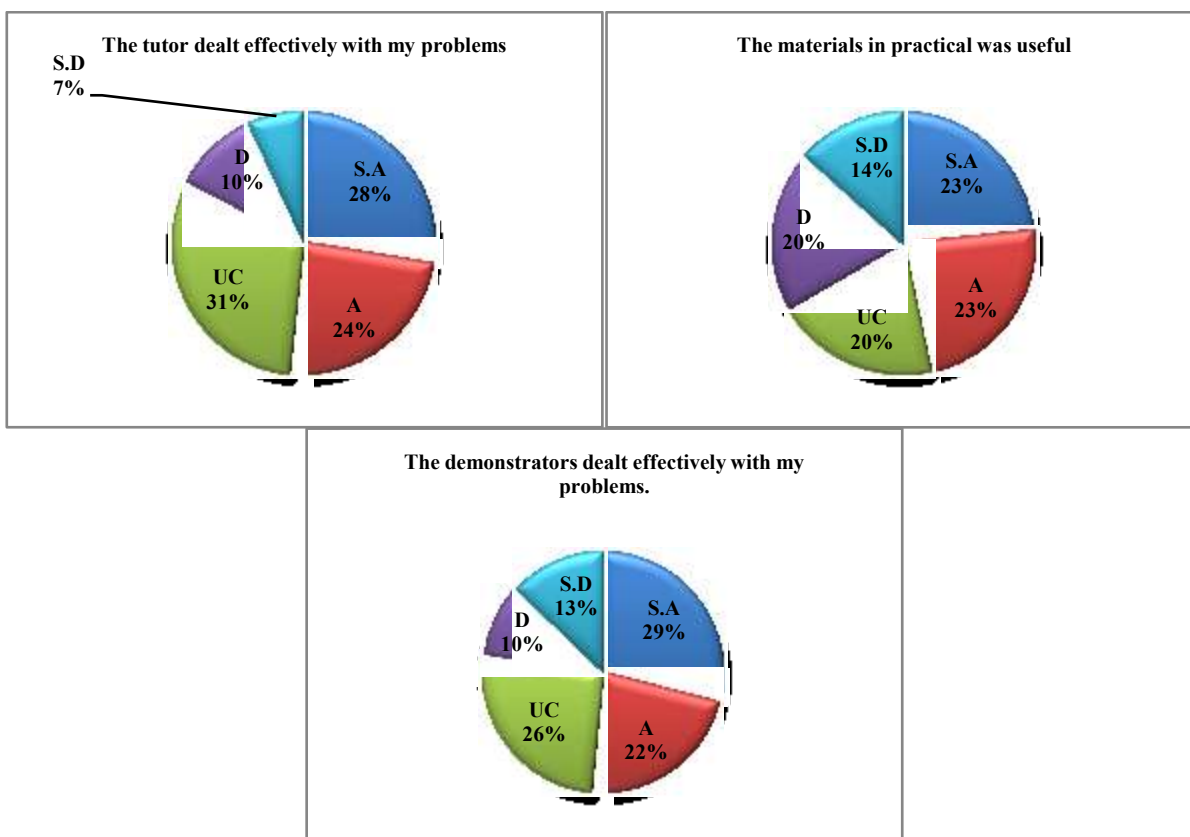


The material in the tutorials was useful



I was happy with the amount of work needed for tutorials





General Comments of the Students about this Course

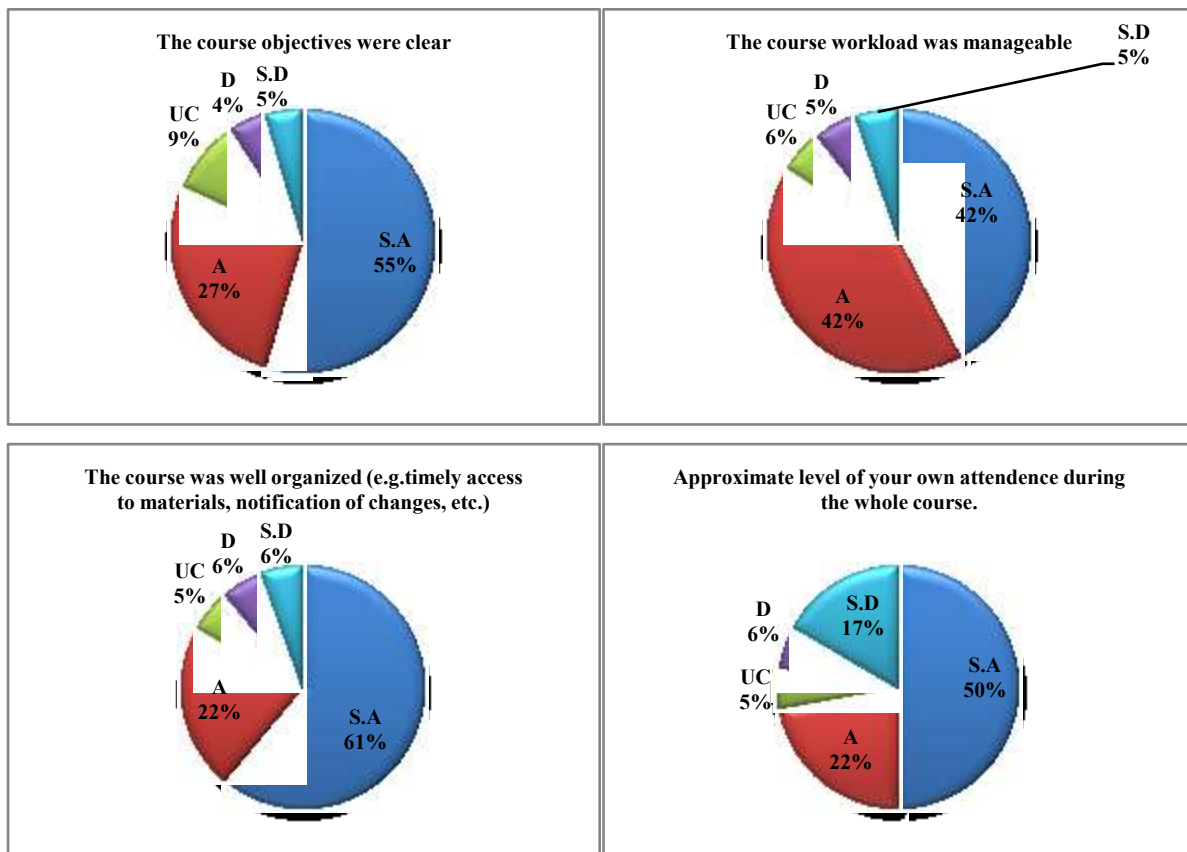
Weaknesses:

- The course work load is not manageable.
- Learning environment and resources were not satisfactory.
- Course objectives must be clearly defined.
- The course should include modern knowledge and techniques.
- Learning and Teaching methods should be improved to encourage student participation

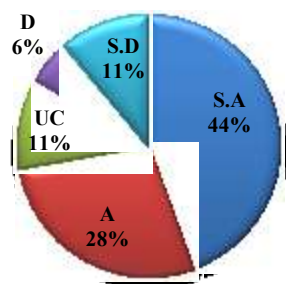
CS-542 (Mr. Sheeraz Akram)

The graph shows the detail of evaluation. The graph for “The course objectives were clear”, shows that 55% are strongly agreed, 27% are agreed, 9% are uncertain, 4% disagreed and 5% are strongly disagreed. The graph for “The course workload was manageable”, shows that 42% are

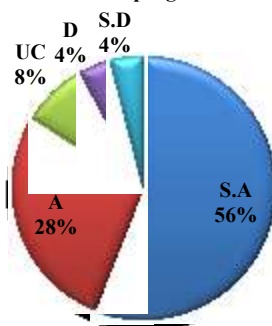
strongly agreed, 42% are agreed, 6% are uncertain, 5% disagreed and 5% are strongly disagreed. The graph for “Classrooms were satisfactory”, shows that 47% are strongly agreed, 35% are agreed, 6% are uncertain, 6% disagreed and 6% are strongly disagreed. The graph for “Feedback on assessment was timely”, shows that 48% are strongly agreed, 37% are agreed, 5% are uncertain, 5% disagreed and 5% are strongly disagreed. The graph for “The tutor dealt effectively with my problems”, shows that 59% are strongly agreed, 23% are agreed, 9% are uncertain, 4% disagreed and 5% are strongly disagreed. The graph for “The materials in practical was useful”, shows that 74% are strongly agreed, 11% are agreed, 5% are uncertain, 5% disagreed and 5% are strongly disagreed. The graph for “Ideas and concepts were presented clearly”, shows that 59% are strongly agreed, 25% are agreed, 9% are uncertain, 4% disagreed and 5% are strongly disagreed.



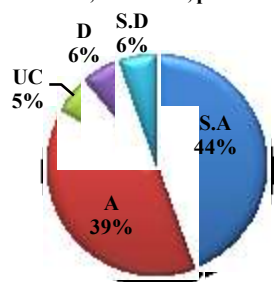
I participated actively in the course



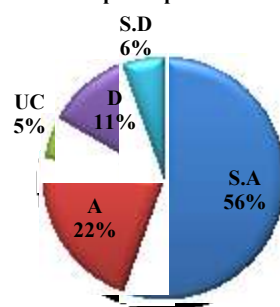
I think I have made progress in this course



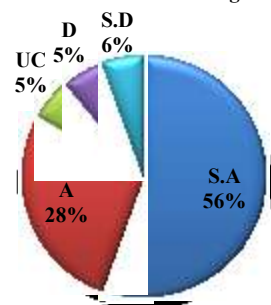
I think the course was well constructed to achieve the learning outcomes (there was a good balance of lecture, tutorials, practical etc.)



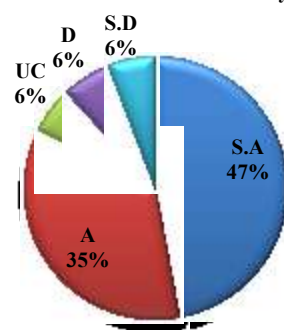
The learning and teaching methods encouraged participation.



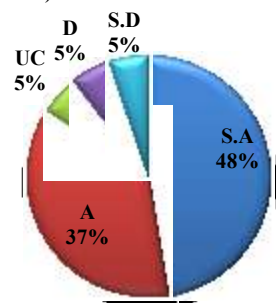
The overall environment in the class was conducive to learning.



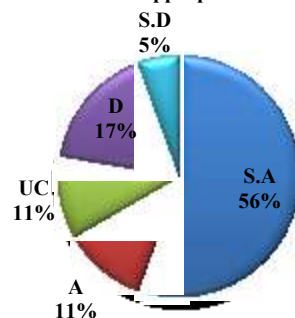
Classrooms were satisfactory



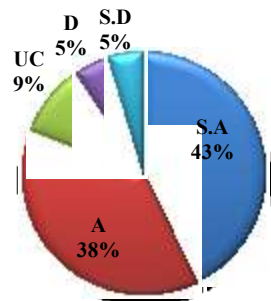
Learning materials (lesson plans, course notes etc.) were relevant and useful.



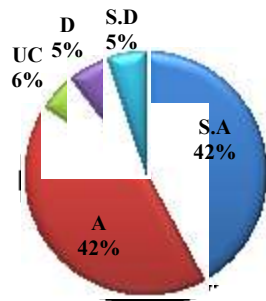
Recommended reading books etc. were relevant and appropriate.



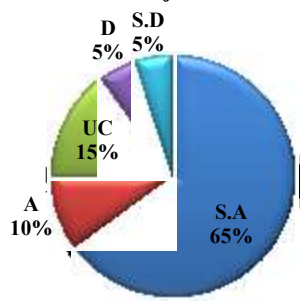
The provision of learning resources in the library was adequate and appropriate.



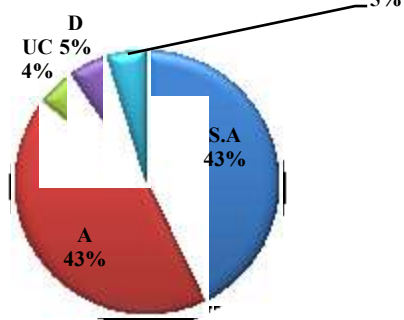
The provision of learning resources on the web was adequate and appropriate. (if relevant)



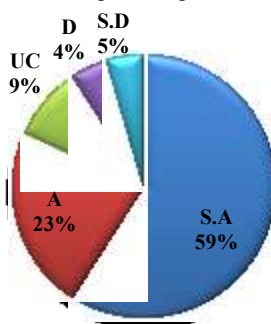
The course stimulated by interest and thought on the subject area.



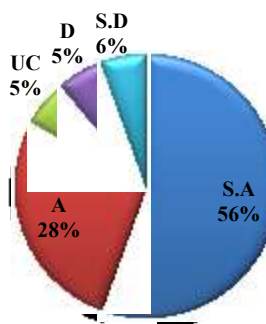
The pace of the course was appropriate



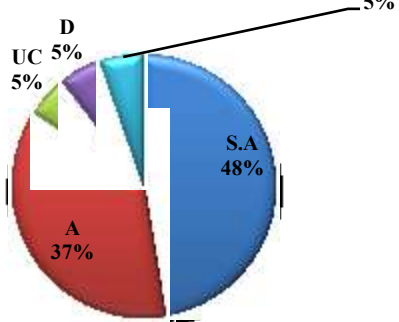
Ideas and concepts were presented clearly



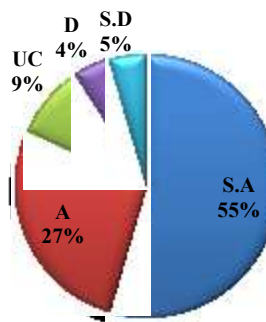
The method of assessment were reasonable

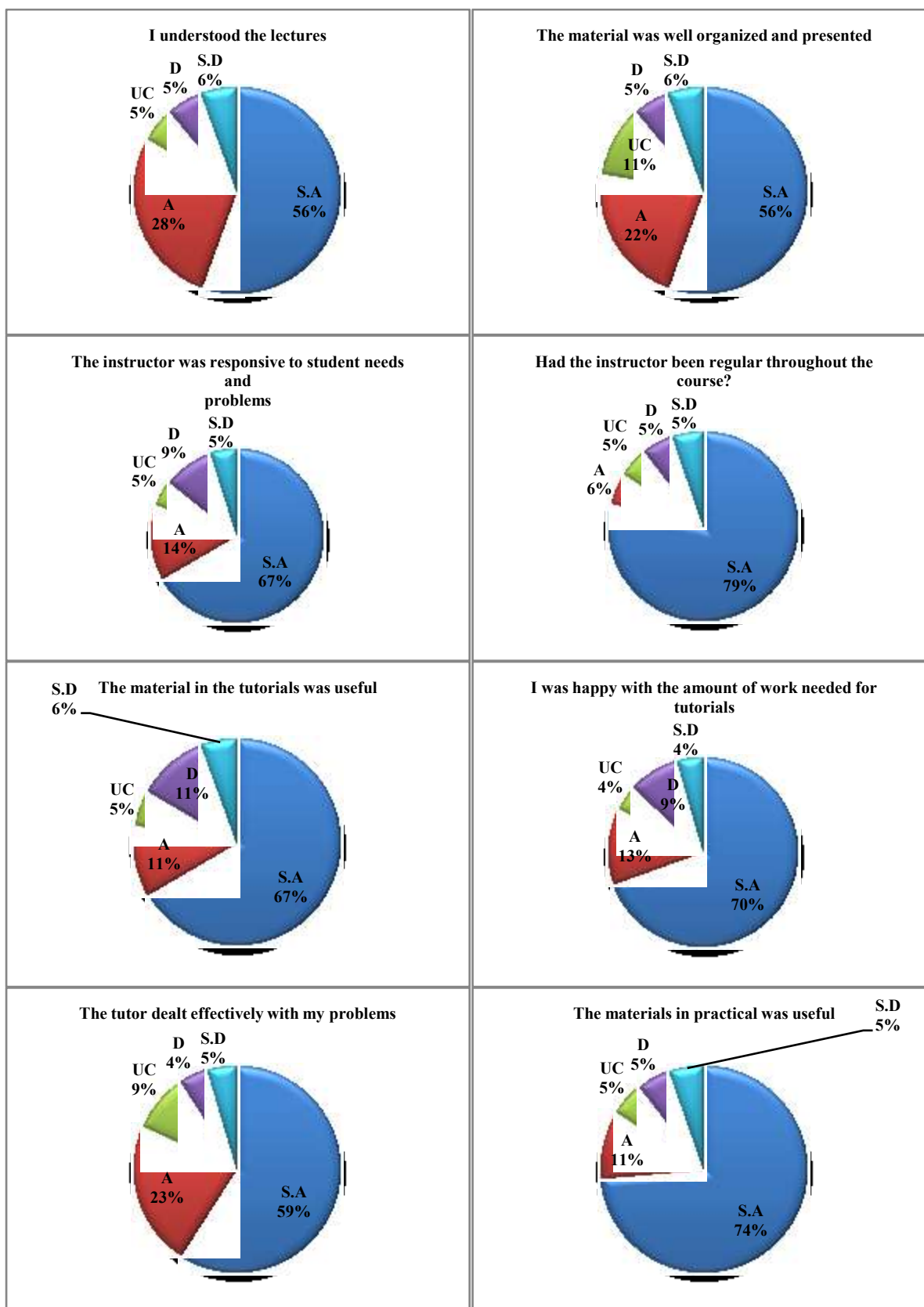


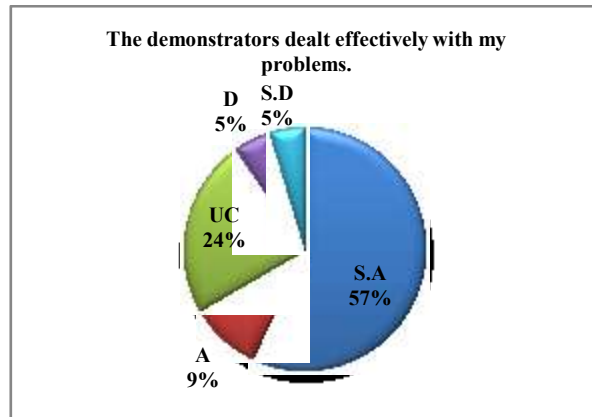
Feedback on assessment was timely



Feedback on assessment was helpful







General Comments of the Students about this Course

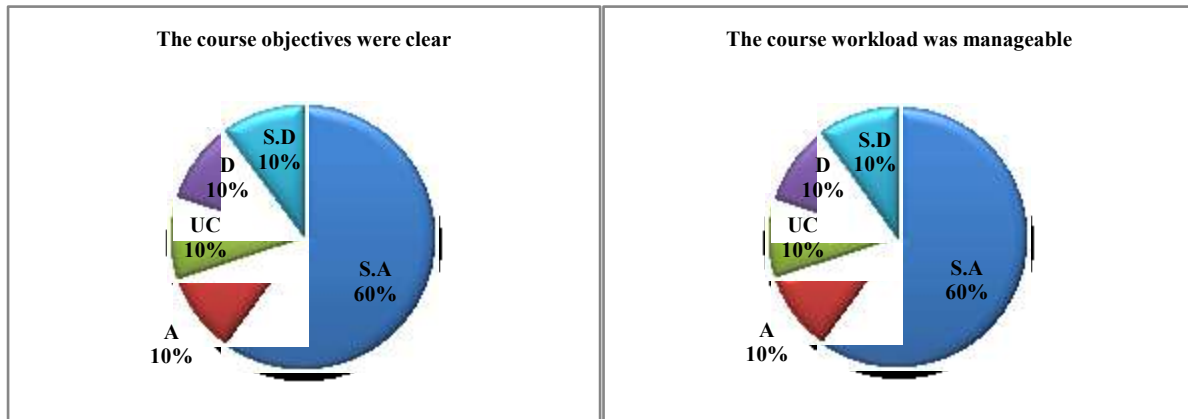
Weaknesses:

- Proper materials were not available for practical demonstrations.
- Learning environment and resources were not satisfactory.
- The course should include modern knowledge and techniques.
- The course should be stimulated by interest and thought on subject area.

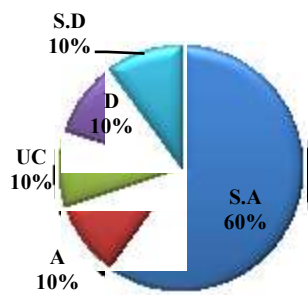
CS- 600 (Nasir Mehmood Minhas)

The graph shows the detail of evaluation. The graph for “The course objectives were clear”, shows that 60% are strongly agreed, 10% are agreed, 10% are uncertain, 10% disagreed and 10% are strongly disagreed. The graph for “The course workload was manageable”, shows that 60% are strongly agreed, 10% are agreed, 10% are uncertain, 10% disagreed and 10% are strongly disagreed. The graph for “Classrooms were satisfactory”, shows that 40% are strongly agreed, 10% are agreed, 10% are uncertain, 20% disagreed and 20% are strongly disagreed. The graph for “Feedback on assessment was timely”, shows that 34% are strongly agreed, 22% are agreed, 11% are uncertain, 11% disagreed and 22% are strongly disagreed. The graph for “The tutor dealt effectively with my problems”, shows that 37% are strongly agreed, 12% are agreed, 25% are uncertain, 13% disagreed and 13% are strongly disagreed. The graph for “The materials in practical was useful”, shows that 45% are strongly agreed, 11% are agreed, 22% are uncertain, 11% disagreed and 11% are strongly disagreed. The graph for “Ideas and concepts were

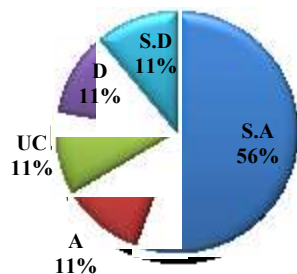
presented clearly”, shows that 34% are strongly agreed, 11% are agreed, 22% are uncertain, 11% disagreed and 22% are strongly disagreed.



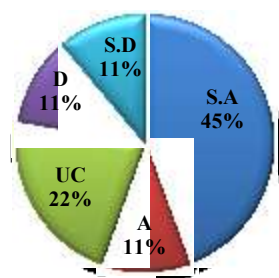
The course was well organized (e.g.timely access to materials, notification of changes, etc.)



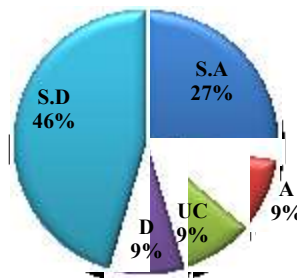
Approximate level of your own attendance during the whole course.



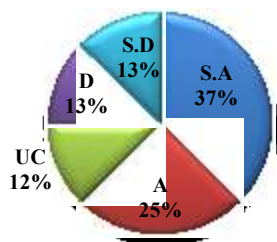
I participated actively in the course



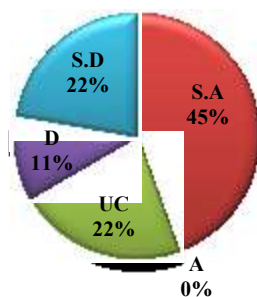
I think I have made progress in this course

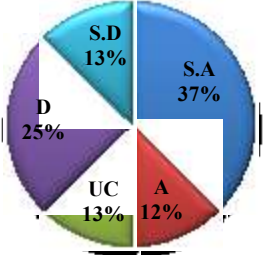
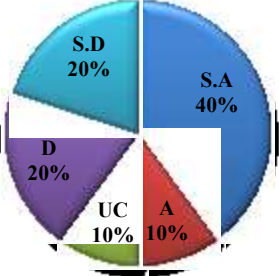
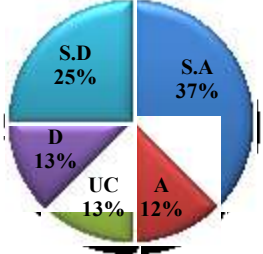
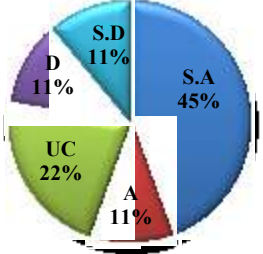
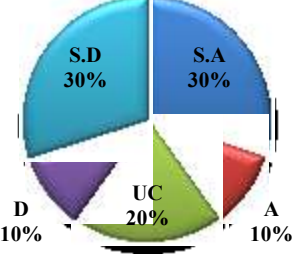
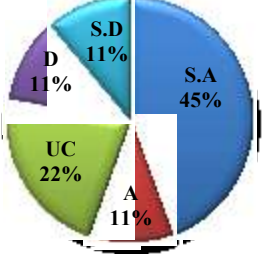
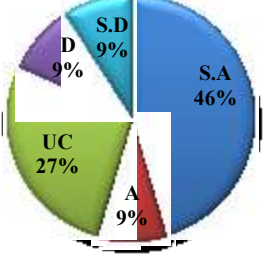
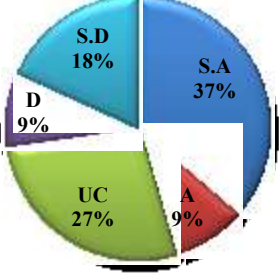


I think the course was well constructed to achieve the learning ourcomes (there was a good balance of lecture, tutorials, partical etc.)

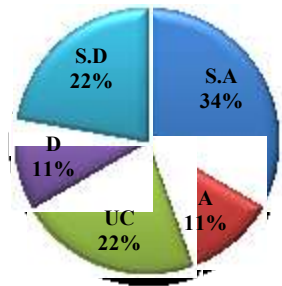


The learning and teaching methods encouraged participation.

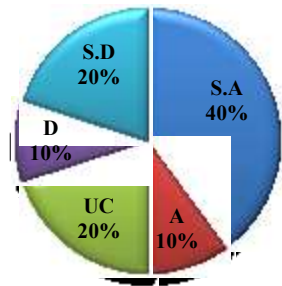


The overall environment in the class was conducive to learning.  <table border="1"> <thead> <tr> <th>Response</th> <th>Percentage</th> </tr> </thead> <tbody> <tr> <td>S.A.</td> <td>37%</td> </tr> <tr> <td>S.D.</td> <td>13%</td> </tr> <tr> <td>D</td> <td>25%</td> </tr> <tr> <td>UC</td> <td>13%</td> </tr> <tr> <td>A</td> <td>12%</td> </tr> </tbody> </table>	Response	Percentage	S.A.	37%	S.D.	13%	D	25%	UC	13%	A	12%	Classrooms were satisfactory  <table border="1"> <thead> <tr> <th>Response</th> <th>Percentage</th> </tr> </thead> <tbody> <tr> <td>S.A.</td> <td>40%</td> </tr> <tr> <td>S.D.</td> <td>20%</td> </tr> <tr> <td>D</td> <td>20%</td> </tr> <tr> <td>UC</td> <td>10%</td> </tr> <tr> <td>A</td> <td>10%</td> </tr> </tbody> </table>	Response	Percentage	S.A.	40%	S.D.	20%	D	20%	UC	10%	A	10%
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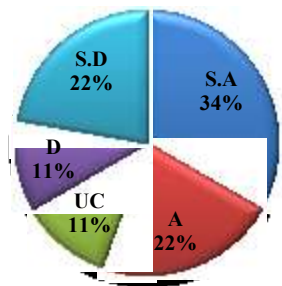
Ideas and concepts were presented clearly



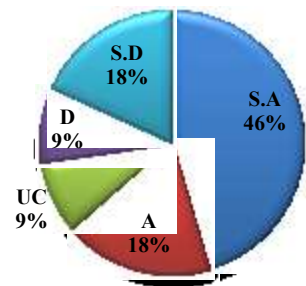
The method of assessment were reasonable



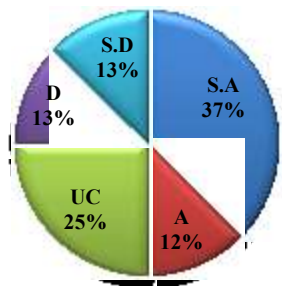
Feedback on assessment was timely



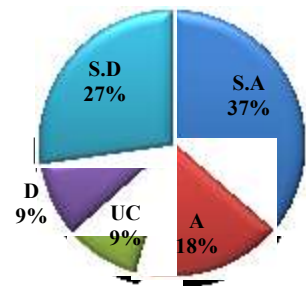
Feedback on assessment was helpful



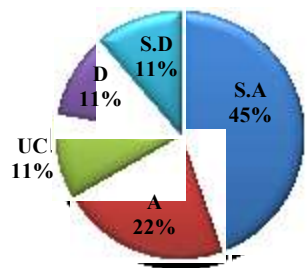
I understood the lectures



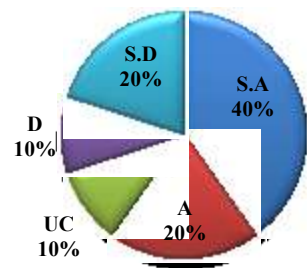
The material was well organized and presented

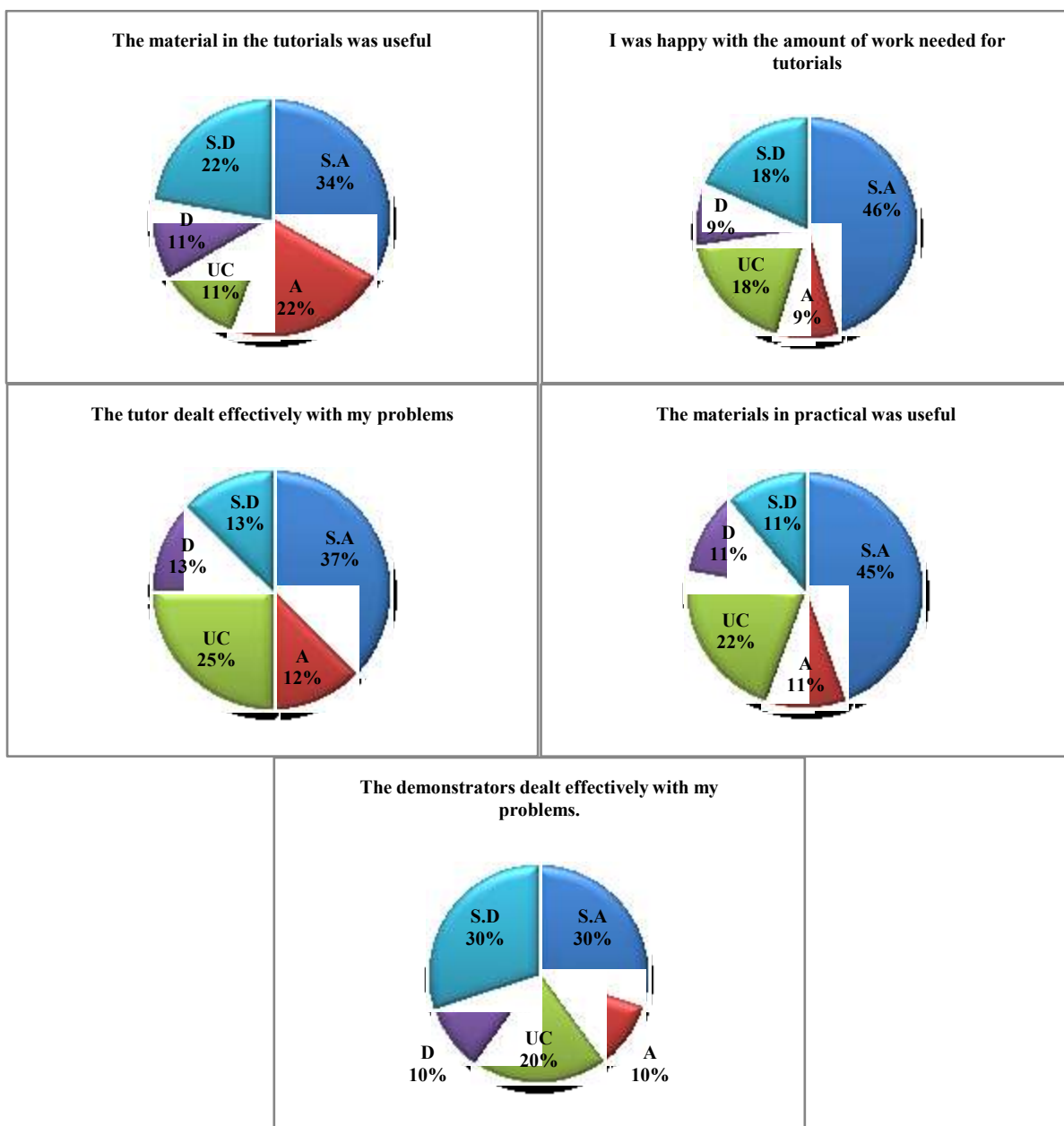


The instructor was responsive to student needs and problems



Had the instructor been regular throughout the course?





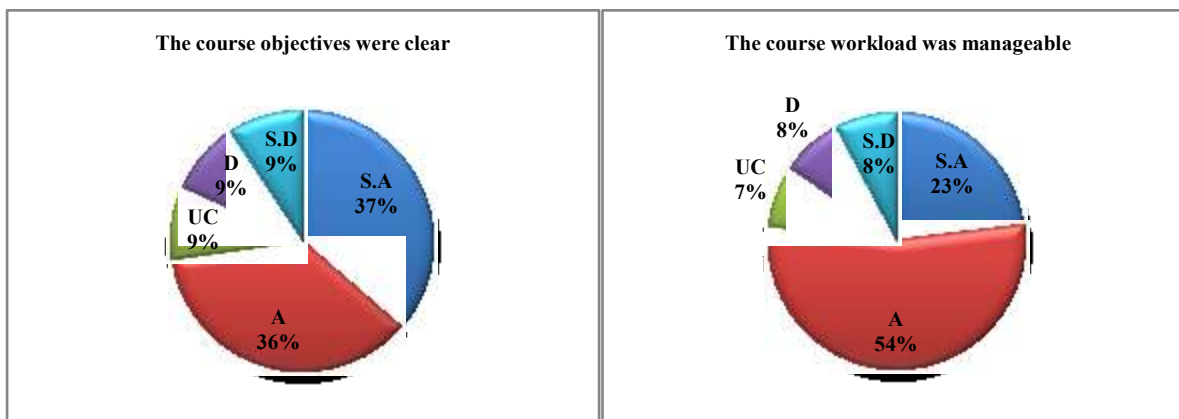
General Comments of the Students about this Course

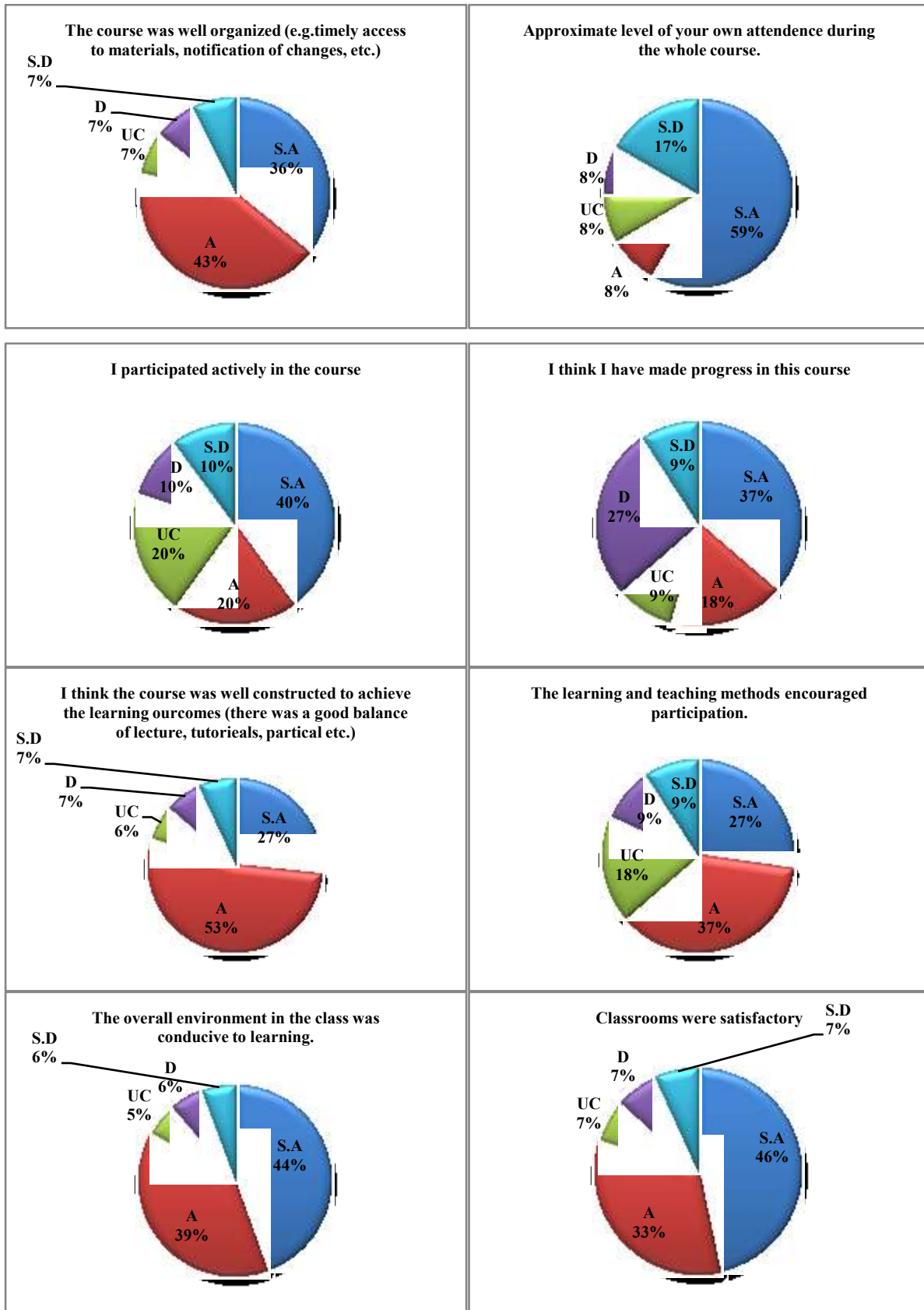
Weaknesses:

- Learning environment and resources were not satisfactory.
- Course objectives must be more clearly defined.

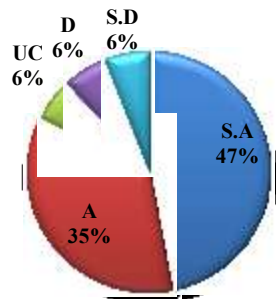
CS-323 (Mr. Muhammad Shabbir Hassan)

The graph shows the detail of evaluation. The graph for “The course objectives were clear”, shows that 37% are strongly agreed, 36% are agreed, 9% are uncertain, 9% disagreed and 9% are strongly disagreed. The graph for “The course workload was manageable”, shows that 23% are strongly agreed, 54% are agreed, 7% are uncertain, 8% disagreed and 8% are strongly disagreed. The graph for “Classrooms were satisfactory”, shows that 46% are strongly agreed, 33% are agreed, 7% are uncertain, 7% disagreed and 7% are strongly disagreed. The graph for “Feedback on assessment was timely”, shows that 44% are strongly agreed, 39% are agreed, 5% are uncertain, 6% disagreed and 6% are strongly disagreed. The graph for “The tutor dealt effectively with my problems”, shows that 34% are strongly agreed, 33% are agreed, 11% are uncertain, 11% disagreed and 11% are strongly disagreed. The graph for “The materials in practical was useful”, shows that 46% are strongly agreed, 15% are agreed, 8% are uncertain, 23% disagreed and 8% are strongly disagreed. The graph for “Ideas and concepts were presented clearly”, shows that 37% are strongly agreed, 36% are agreed, 9% are uncertain, 9% disagreed and 9% are strongly disagreed.

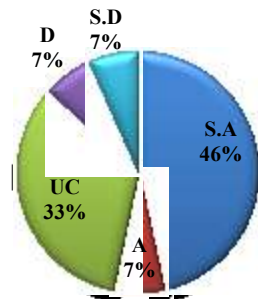




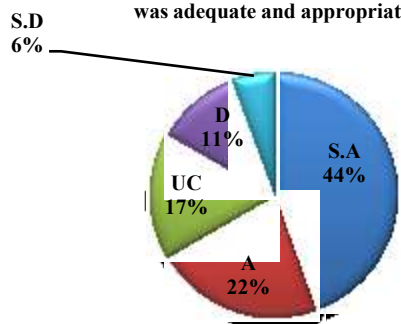
Learning materials (lesson plans, course notes etc.) were relevant and useful.



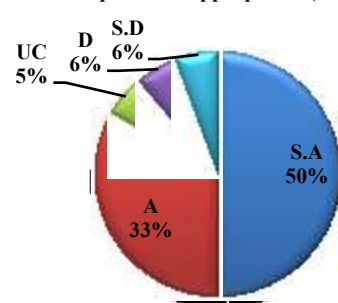
Recommended reading books etc. were relevant and appropriate.



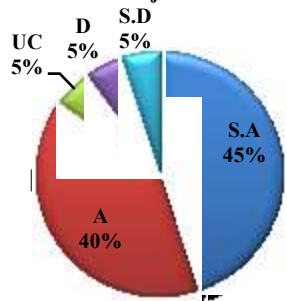
The provision of learning resources in the library was adequate and appropriate.



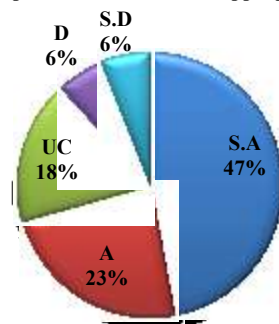
The provision of learning resources on the web was adequate and appropriate. (if relevant)



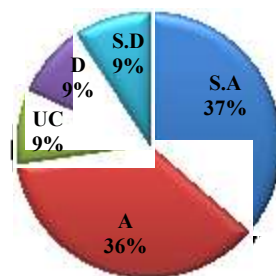
The course stimulated by interest and thought on the subject area.



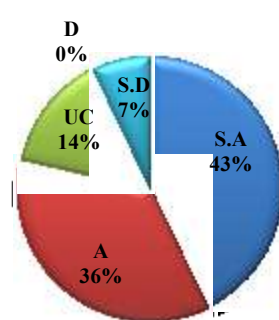
The pace of the course was appropriate



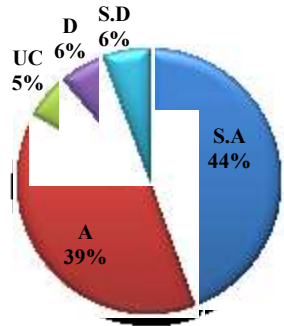
Ideas and concepts were presented clearly



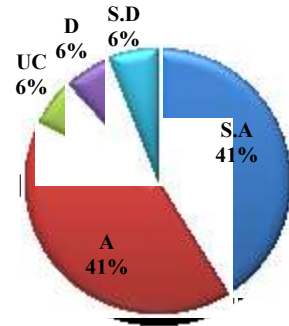
The method of assessment were reasonable



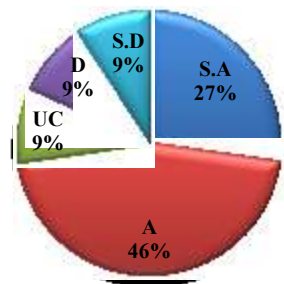
Feedback on assessment was timely



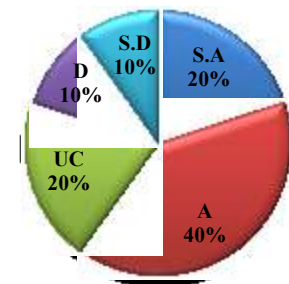
Feedback on assessment was helpful



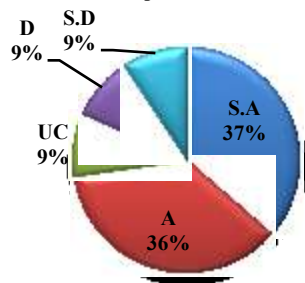
I understood the lectures



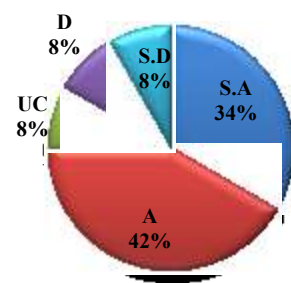
The material was well organized and presented

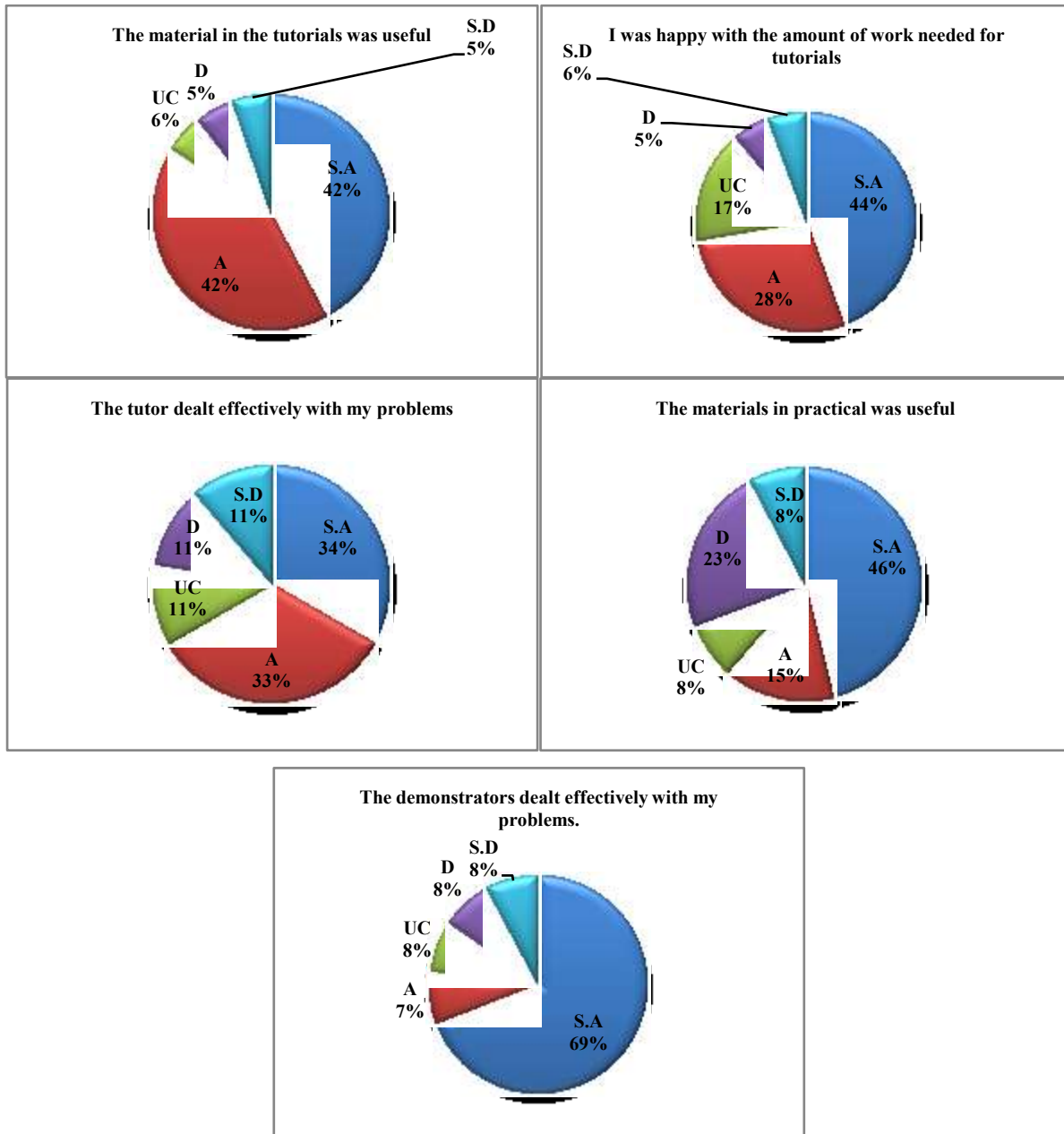


The instructor was responsive to student needs and problems



Had the instructor been regular throughout the course?





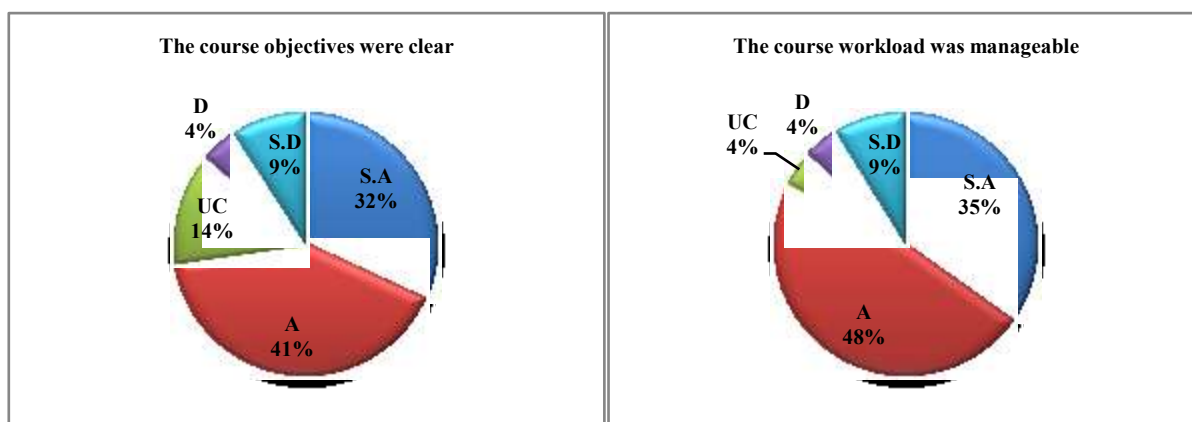
General Comments of the Students about this Course

Strengths

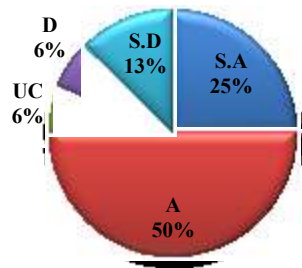
- The course was informative and interesting.
- The course was relevant to the field.

CS-423 (Ms. Aisha Umair)

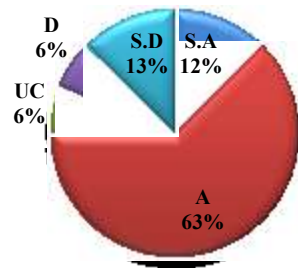
The graph shows the detail of evaluation. The graph for “The course objectives were clear”, shows that 32% are strongly agreed, 41% are agreed, 14% are uncertain, 4% disagreed and 9% are strongly disagreed. The graph for “The course workload was manageable”, shows that 35% are strongly agreed, 48% are agreed, 4% are uncertain, 4% disagreed and 9% are strongly disagreed. The graph for “Classrooms were satisfactory”, shows that 28% are strongly agreed, 28% are agreed, 28% are uncertain, 5% disagreed and 11% are strongly disagreed. The graph for “Feedback on assessment was timely”, shows that 25% are strongly agreed, 35% are agreed, 10% are uncertain, 15% disagreed and 15% are strongly disagreed. The graph for “The tutor dealt effectively with my problems”, shows that 44% are strongly agreed, 22% are agreed, 6% are uncertain, 17% disagreed and 11% are strongly disagreed. The graph for “The materials in practical was useful”, shows that 17% are strongly agreed, 41% are agreed, 8% are uncertain, 17% disagreed and 17% are strongly disagreed. The graph for “Ideas and concepts were presented clearly”, shows that 26% are strongly agreed, 37% are agreed, 10% are uncertain, 11% disagreed and 16% are strongly disagreed.



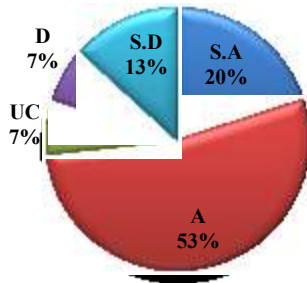
The course was well organized (e.g.timely access to materials, notification of changes, etc.)



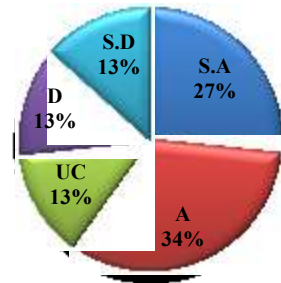
Approximate level of your own attendance during the whole course.



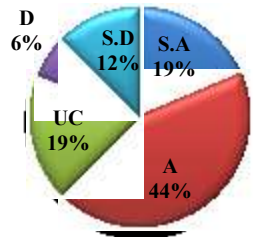
I participated actively in the course



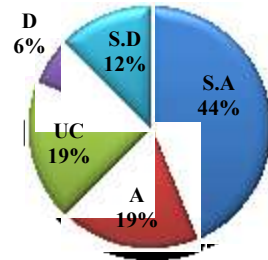
I think I have made progress in this course



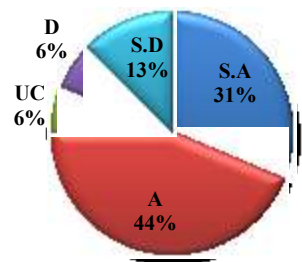
I think the course was well constructed to achieve the learning ourcomes (there was a good balance of lecture, tutorials, partical etc.)



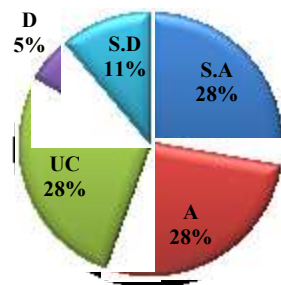
The learning and teaching methods encouraged participation.



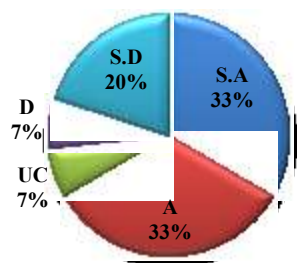
The overall environment in the class was conducive to learning.



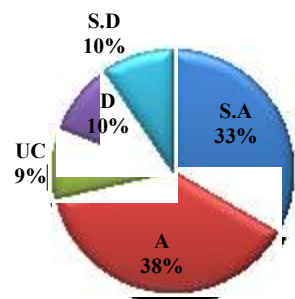
Classrooms were satisfactory



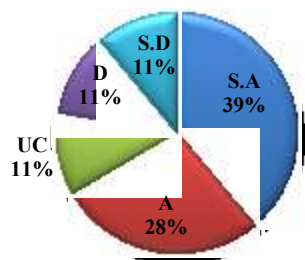
Learning materials (lesson plans, course notes etc.) were relevant and useful.



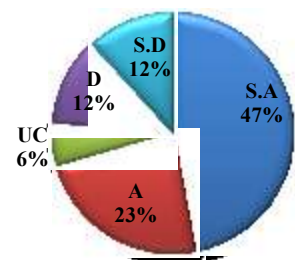
Recommended reading books etc. were relevant and appropriate.



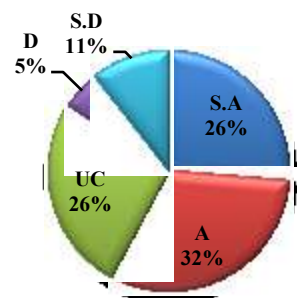
The provision of learning resources in the library was adequate and appropriate.



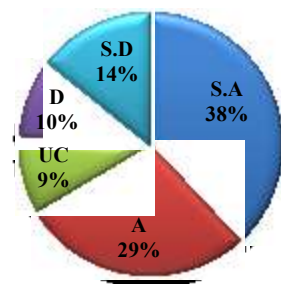
The provision of learning resources on the web was adequate and appropriate. (if relevant)



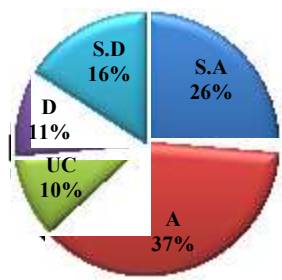
The course stimulated by interest and thought on the subject area.



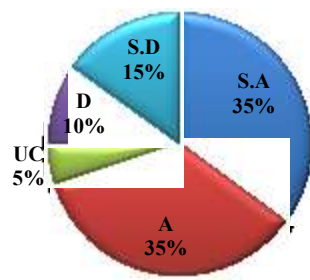
The pace of the course was appropriate



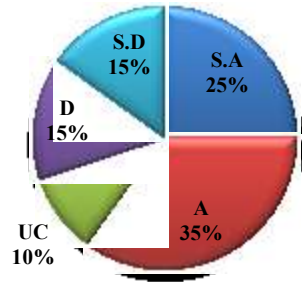
Ideas and concepts were presented clearly



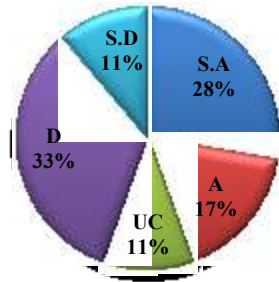
The method of assessment were reasonable



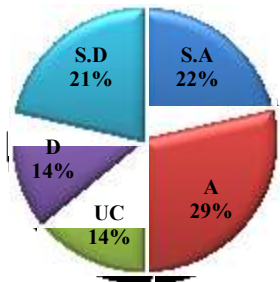
Feedback on assessment was timely



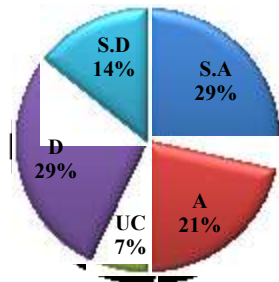
Feedback on assessment was helpful



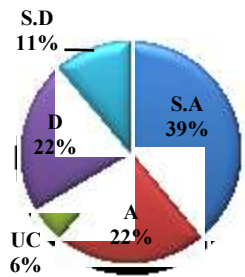
I understood the lectures



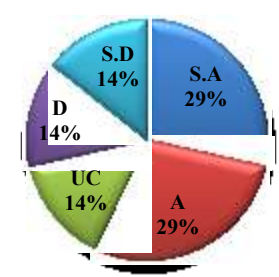
The material was well organized and presented



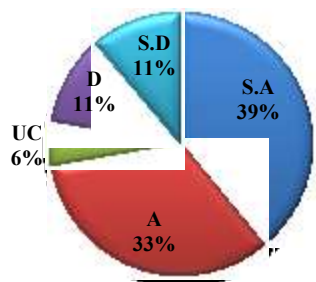
The instructor was responsive to student needs and problems



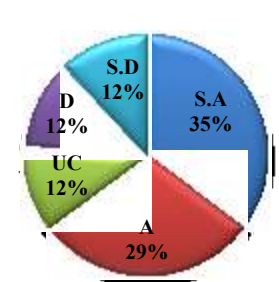
Had the instructor been regular throughout the course?

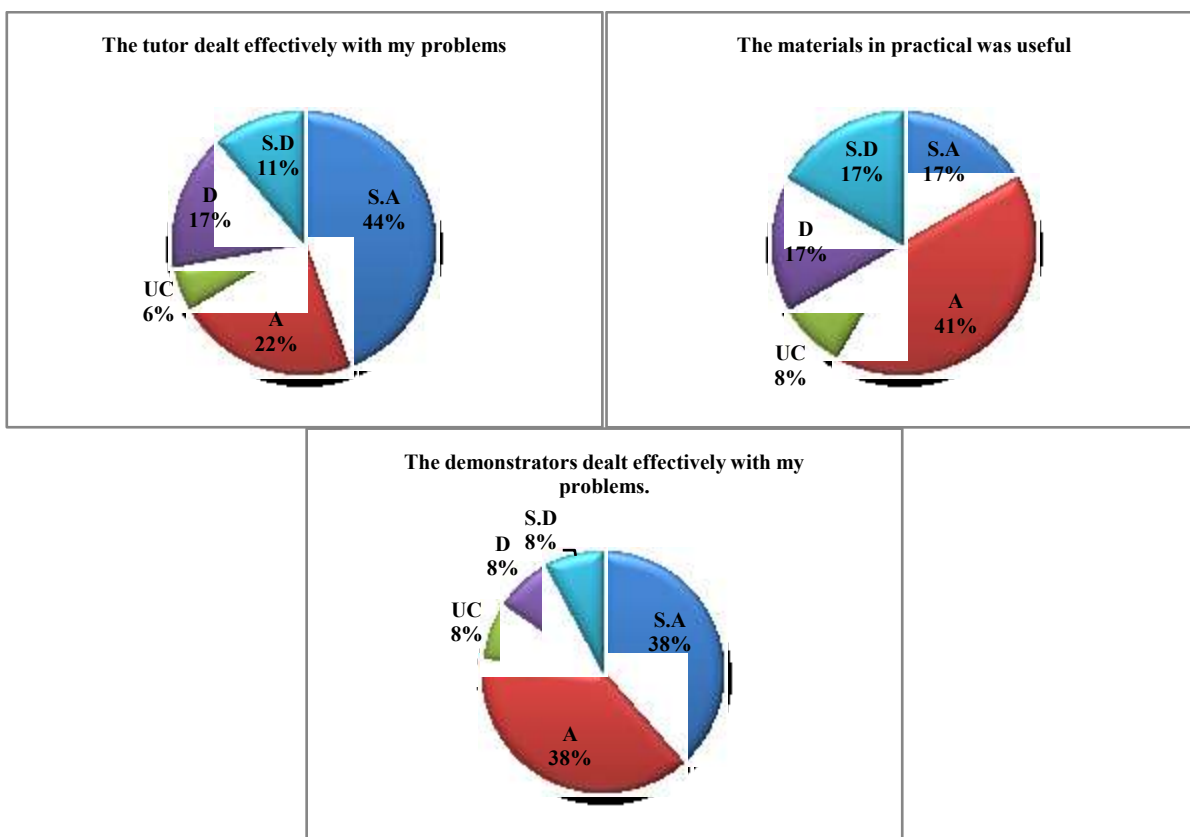


The material in the tutorials was useful



I was happy with the amount of work needed for tutorials





General Comments of the Students about this Course

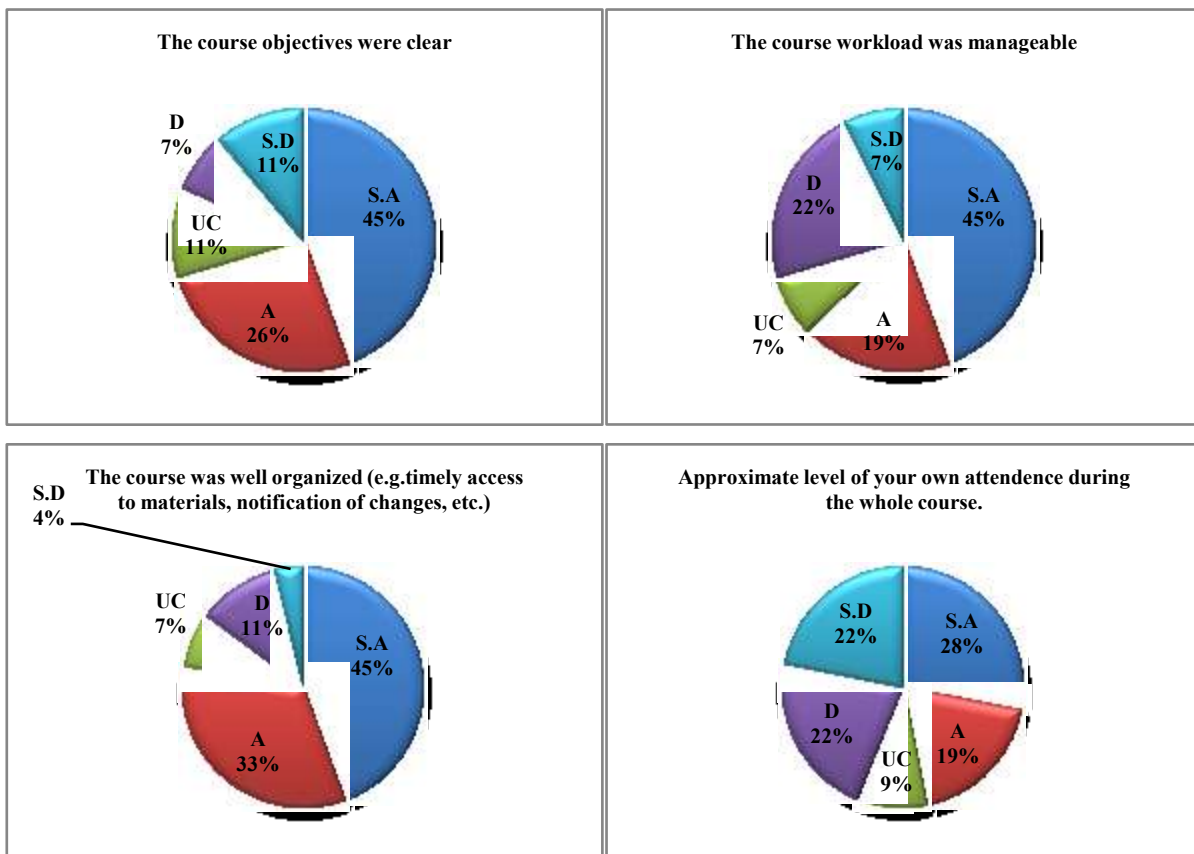
Weaknesses:

- The course should be upgraded and updated.
- Feedback on assessment was not timely.
- Proper materials were not available for practical demonstration.

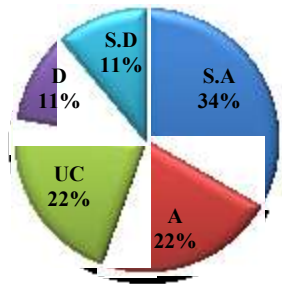
CS-699 (Ms. Aisha Umair)

The graph shows the detail of evaluation. The graph for “The course objectives were clear”, shows that 45% are strongly agreed, 26% are agreed, 11% are uncertain, 7% disagreed and 11%

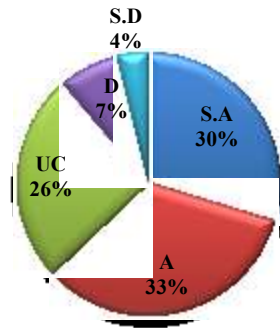
are strongly disagreed. The graph for “The course workload was manageable”, shows that 45% are strongly agreed, 19% are agreed, 7% are uncertain, 22% disagreed and 7% are strongly disagreed. The graph for “Classrooms were satisfactory”, shows that 24% are strongly agreed, 46% are agreed, 9% are uncertain, 9% disagreed and 12% are strongly disagreed. The graph for “Feedback on assessment was timely”, shows that 28% are strongly agreed, 17% are agreed, 28% are uncertain, 24% disagreed and 3% are strongly disagreed. The graph for “The tutor dealt effectively with my problems”, shows that 28% are strongly agreed, 24% are agreed, 31% are uncertain, 10% disagreed and 7% are strongly disagreed. The graph for “The materials in practical was useful”, shows that 23% are strongly agreed, 23% are agreed, 20% are uncertain, 20% disagreed and 14% are strongly disagreed. The graph for “Ideas and concepts were presented clearly”, shows that 31% are strongly agreed, 31% are agreed, 23% are uncertain, 4% disagreed and 11% are strongly disagreed.



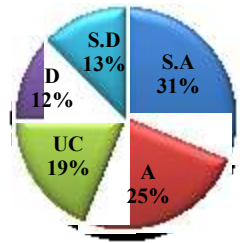
I participated actively in the course



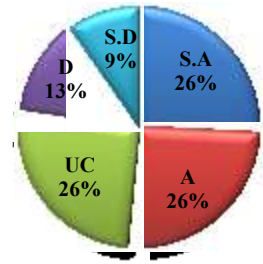
I think I have made progress in this course



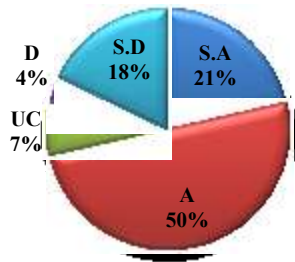
I think the course was well constructed to achieve the learning outcomes (there was a good balance of lecture, tutorials, practical etc.)



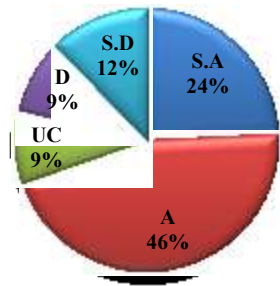
The learning and teaching methods encouraged participation.



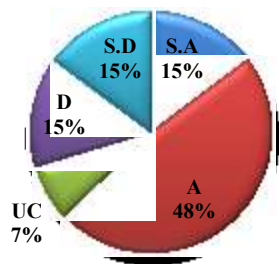
The overall environment in the class was conducive to learning.



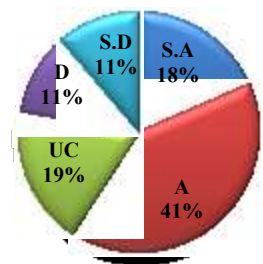
Classrooms were satisfactory



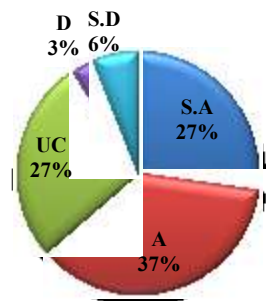
Learning materials (lesson plans, course notes etc.) were relevant and useful.



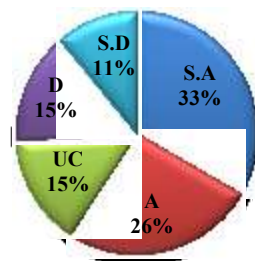
Recommended reading books etc. were relevant and appropriate.



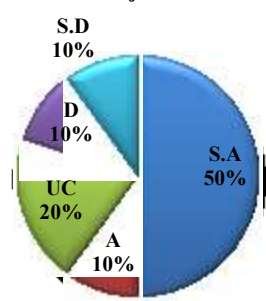
The provision of learning resources in the library was adequate and appropriate.



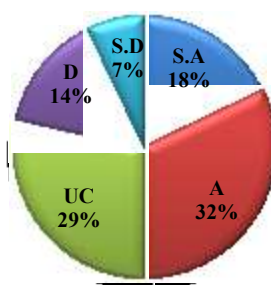
The provision of learning resources on the web was adequate and appropriate. (if relevant)



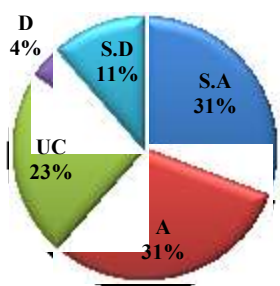
The course stimulated by interest and thought on the subject area.



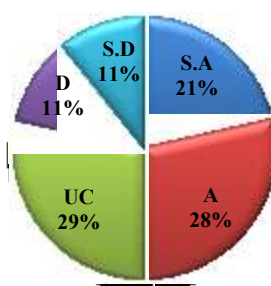
The pace of the course was appropriate



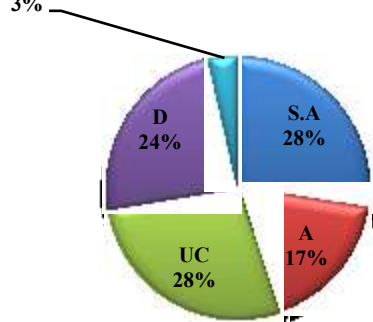
Ideas and concepts were presented clearly



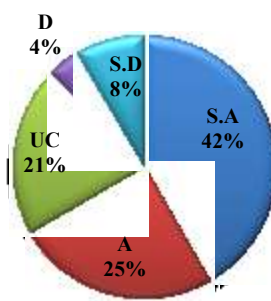
The method of assessment were reasonable



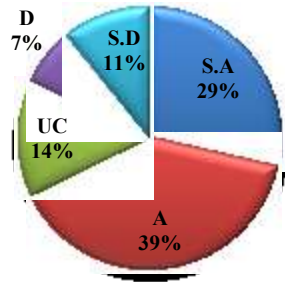
Feedback on assessment was timely



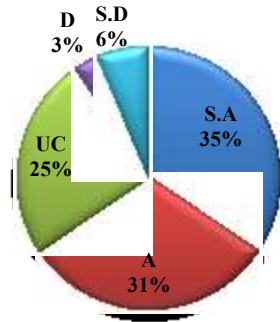
Feedback on assessment was helpful



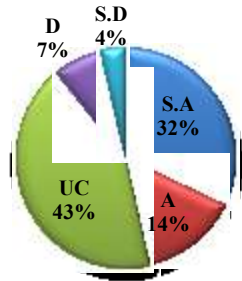
I understood the lectures



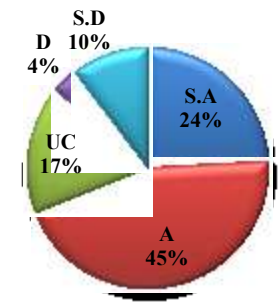
The material was well organized and presented



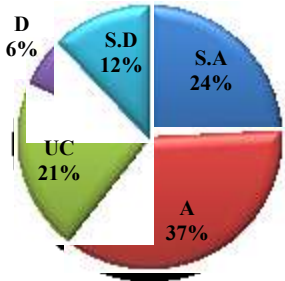
The instructor was responsive to student needs and problems



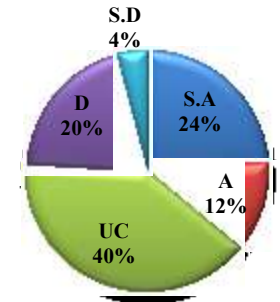
Had the instructor been regular throughout the course?



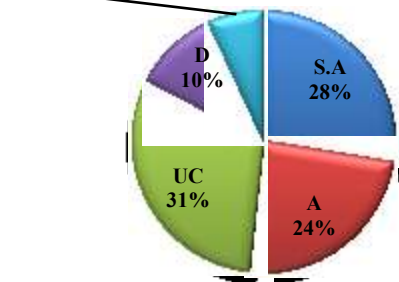
The material in the tutorials was useful



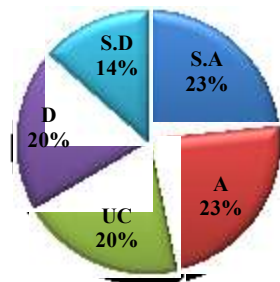
I was happy with the amount of work needed for tutorials

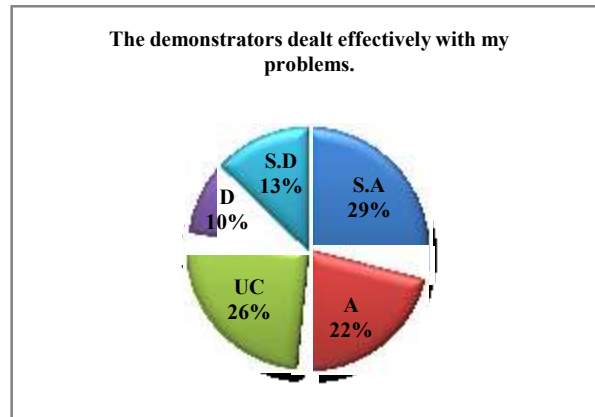


The tutor dealt effectively with my problems



The materials in practical was useful





General Comments of the Students about this Course

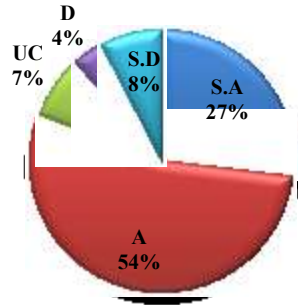
Weaknesses:

- The course work load is not manageable.
- Learning environment and resources were not satisfactory.
- Course objectives must be clearly defined.
- The course should include modern knowledge and techniques.
- Learning and Teaching methods should be improved to encourage student participation

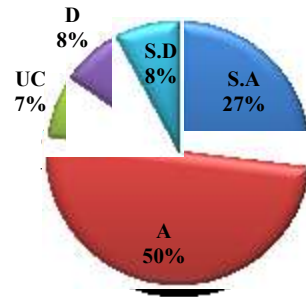
CS-400 (Ms. Bushra Hamid)

The graph shows the details of evaluation The course objectives were clear. The graph “The Course Objectives were clear” indicates this. (27% strongly agreed, 54% agreed, 7% are uncertain, 4% disagreed and 8% strongly disagree). The graph “The Course workload was manageable ” show this. (27% strongly agreed, 50% agreed, 7% are uncertain, 8% disagreed and 8% strongly disagree) The pace of the course was excellent as shown in the graph “The pace of the course was appropriate” (15% strongly agreed, 61% agreed, 8% are uncertain, 8% disagreed and 8% strongly disagree). The concepts in this course were well explained. The graph “Ideas and concepts were presented clearly” reveals this fact. (31% strongly agreed, 46% agreed, 7% are uncertain, 8% disagreed and 8% strongly disagree). The course lectures were well understood by the students. The graph “I understood the lectures shows this trend. (22% strongly agreed, 56% agreed, 4% are uncertain, 11% disagreed and 7% strongly disagree).

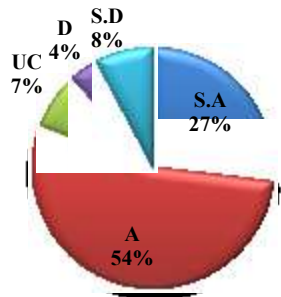
The course objectives were clear



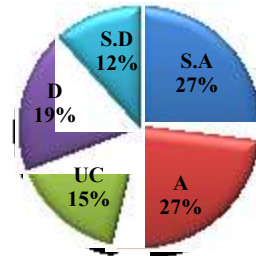
The course workload was manageable



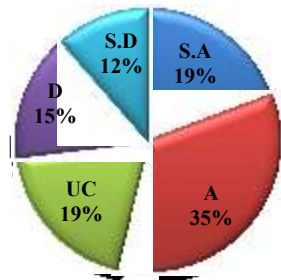
The course was well organized (e.g.timely access to materials, notification of changes, etc.)



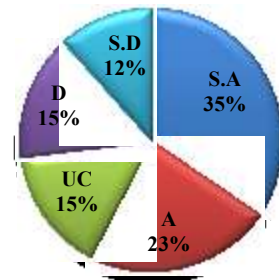
Approximate level of your own attendance during the whole course.



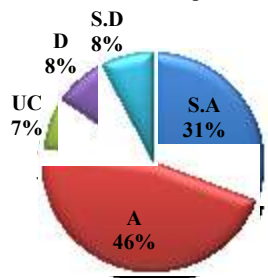
I participated actively in the course



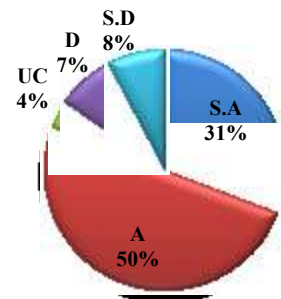
I think I have made progress in this course



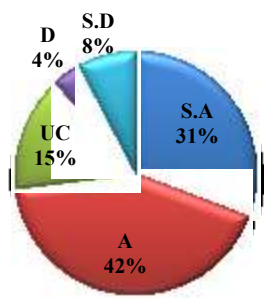
I think the course was well constructed to achieve the learning outcomes (there was a good balance of lecture, tutorials, partical etc.)



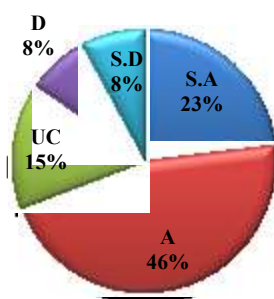
The learning and teaching methods encouraged participation.



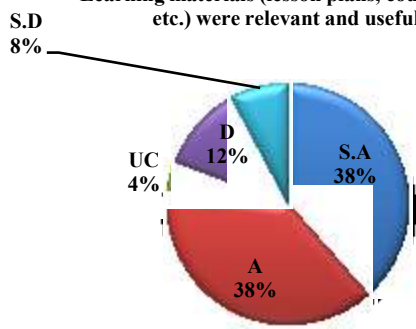
The overall environment in the class was conducive to learning.



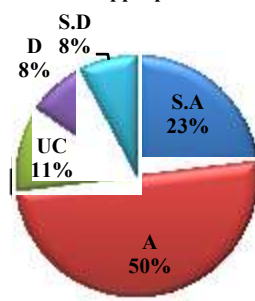
Classrooms were satisfactory



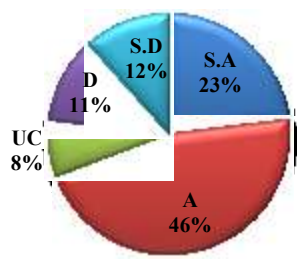
Learning materials (lesson plans, course notes etc.) were relevant and useful.



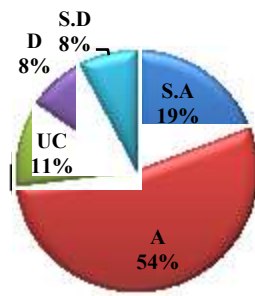
Recommended reading books etc. were relevant and appropriate.



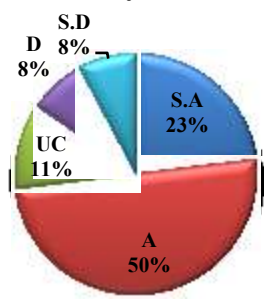
The provision of learning resources in the library was adequate and appropriate.



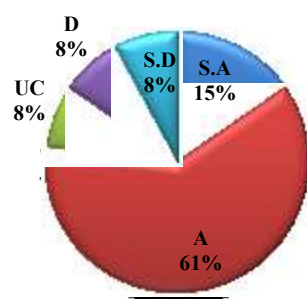
The provision of learning resources on the web was adequate and appropriate. (if relevant)



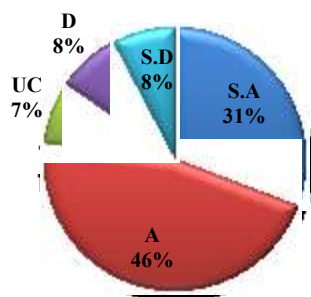
The course stimulated by interest and thought on the subject area.



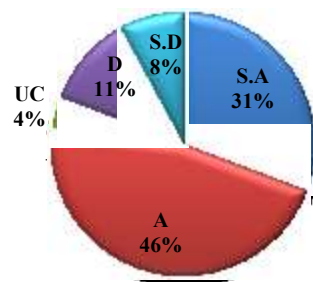
The pace of the course was appropriate



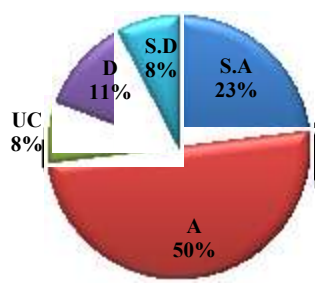
Ideas and concepts were presented clearly



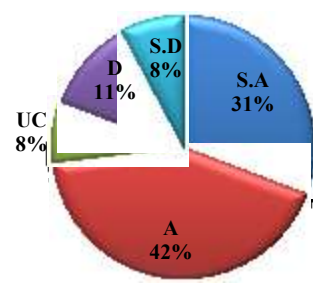
The method of assessment were reasonable



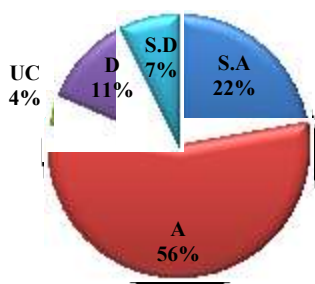
Feedback on assessment was timely



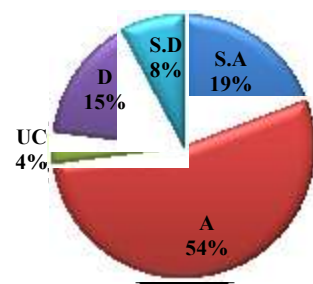
Feedback on assessment was helpful



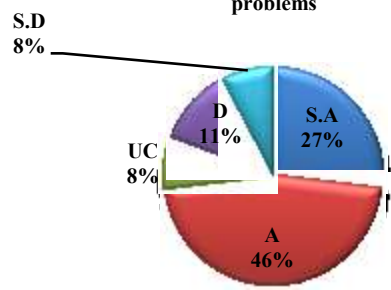
I understood the lectures



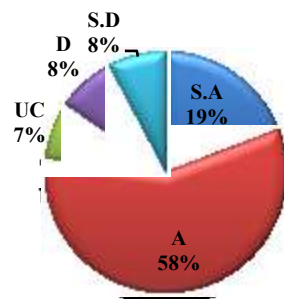
The material was well organized and presented

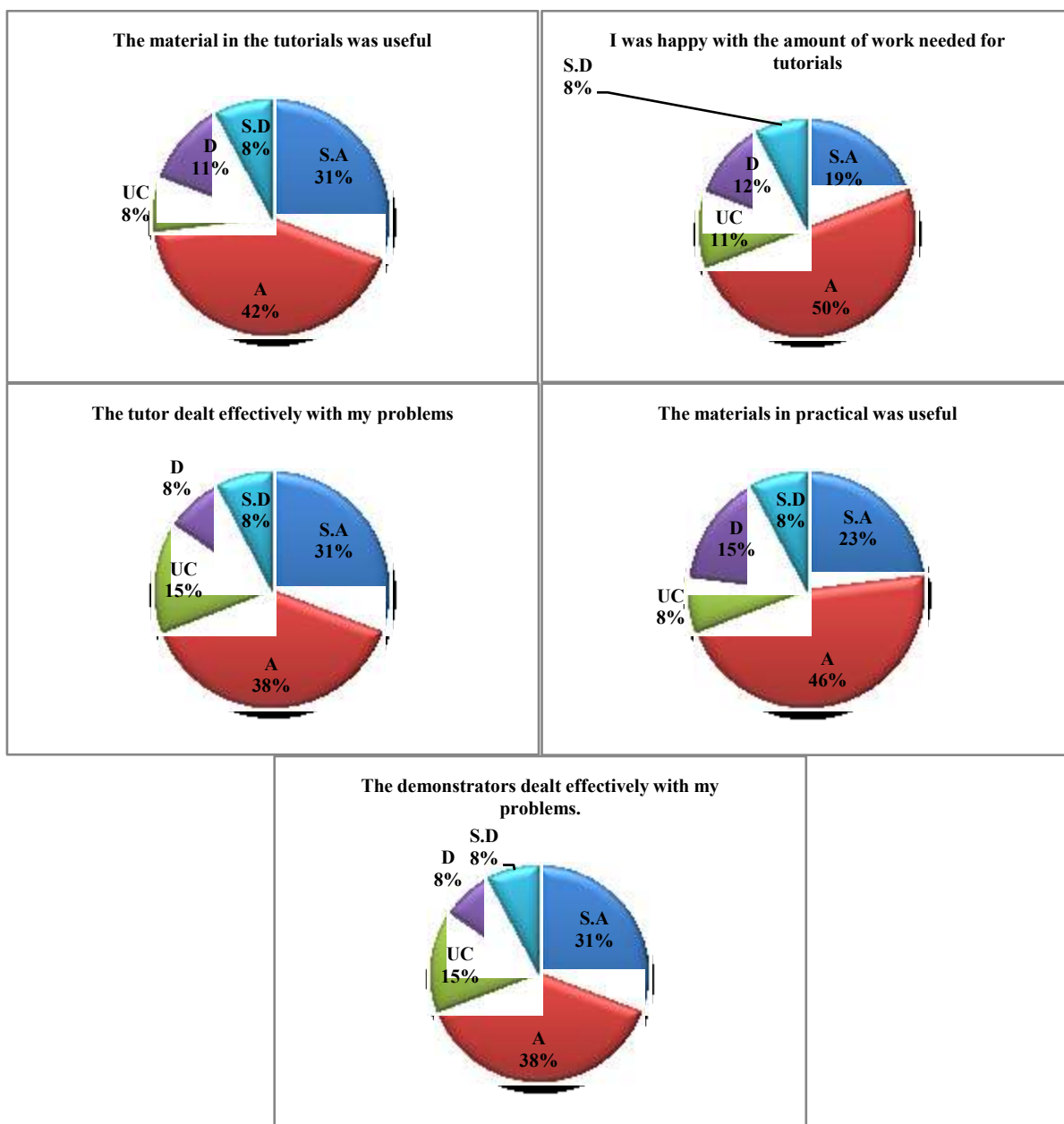


The instructor was responsive to student needs and problems



Had the instructor been regular throughout the course?





General Comments of Students about this course:

Strengths :

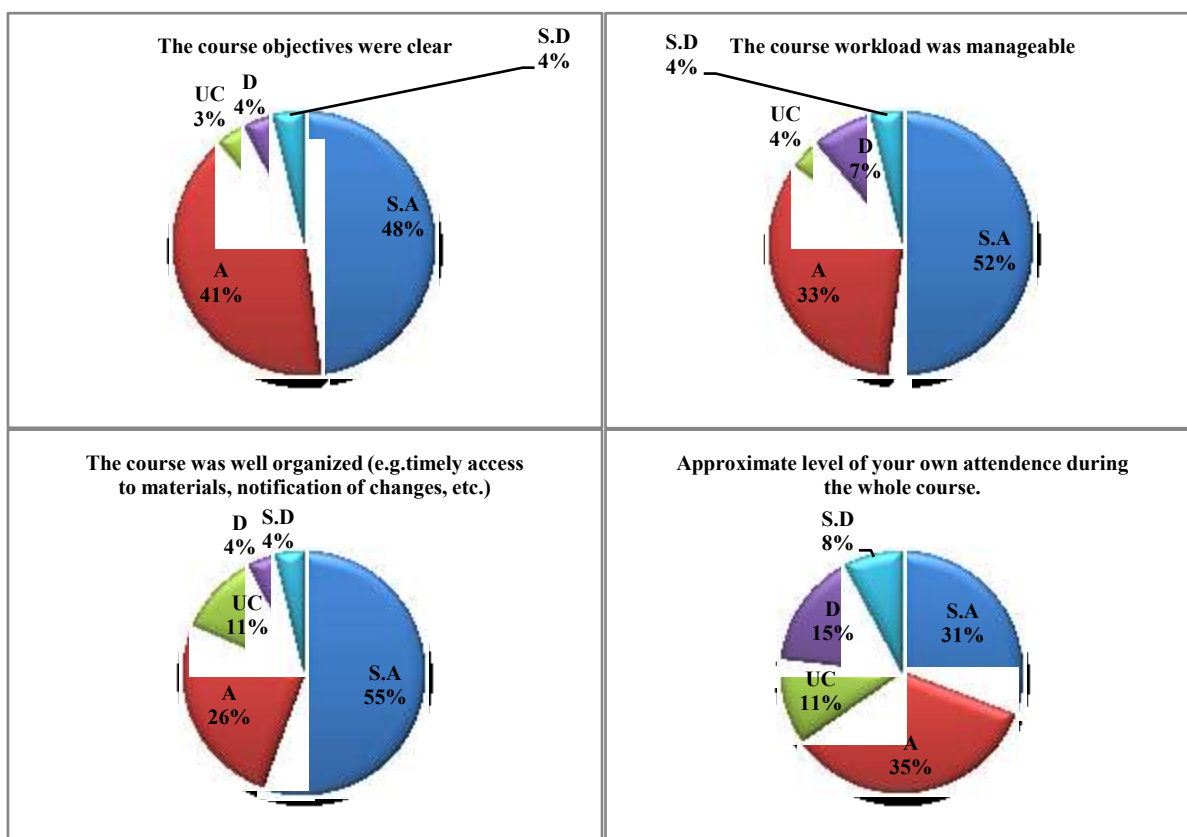
- Concepts are well explained.
- Reasonable work load
- Good pace
- Clear course objectives

Weaknesses:

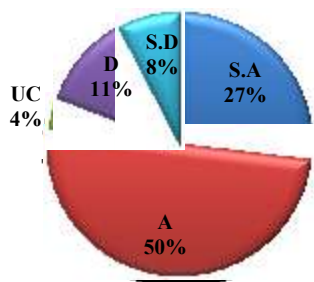
- Assessment feedback should be given on time.

CS-400 (Mr. Yasir Hafeez)

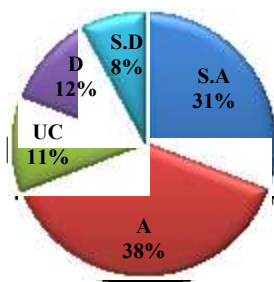
The graph shows the details of the evaluation. The course objectives were clear and course proceeded according to the way of achieving this. The graph “The Course Objectives were clear” indicates this. (48% strongly agreed, 41% agreed, 3% are uncertain, 3% disagreed and 4% strongly disagreed). The instructor proved to be very helping. The graph “The instructor was responsive to student needs and problems indicate this. (46% strongly agreed, 39% agreed, 7% are uncertain, 4% disagreed and 4% strongly disagreed). The course was very well organized. This can be seen in the graph “The course was well organized” (55% strongly agreed, 26% agreed, 11% are uncertain, 4% disagreed and 4% strongly disagreed). The teacher has managed the course workload very well. The graph “The Course workload was manageable ” show this. (52% strongly agreed, 33% agreed, 4% are uncertain, 7% disagreed and 4% strongly disagreed).



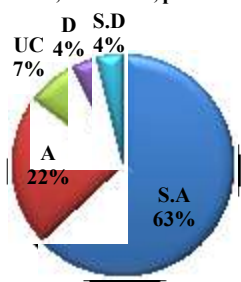
I participated actively in the course



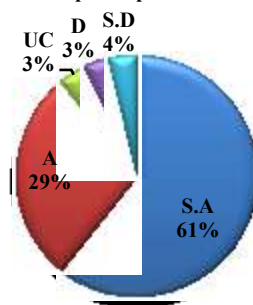
I think I have made progress in this course



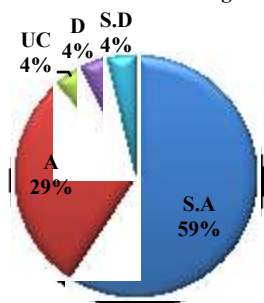
I think the course was well constructed to achieve the learning outcomes (there was a good balance of lecture, tutorials, practical etc.)



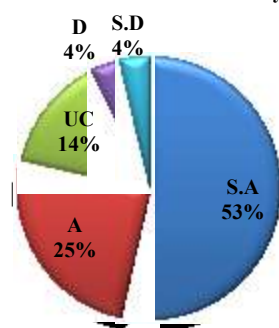
The learning and teaching methods encouraged participation.



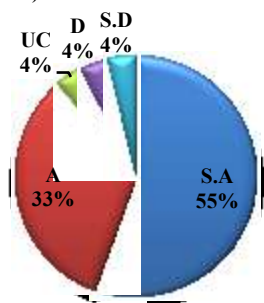
The overall environment in the class was conducive to learning.



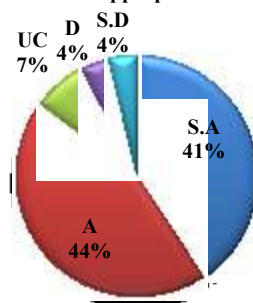
Classrooms were satisfactory



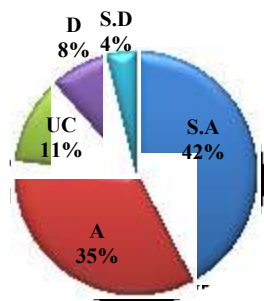
Learning materials (lesson plans, course notes etc.) were relevant and useful.



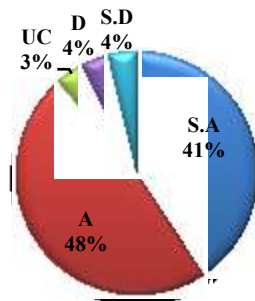
Recommended reading books etc. were relevant and appropriate.



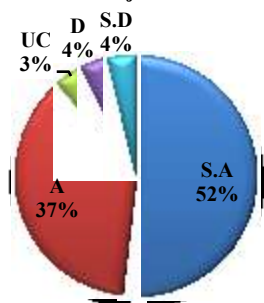
The provision of learning resources in the library was adequate and appropriate.



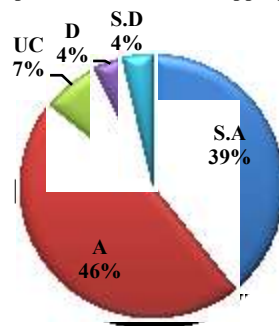
The provision of learning resources on the web was adequate and appropriate. (if relevant)



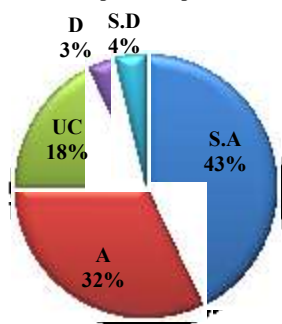
The course stimulated by interest and thought on the subject area.



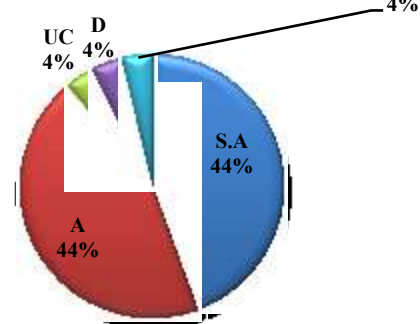
The pace of the course was appropriate



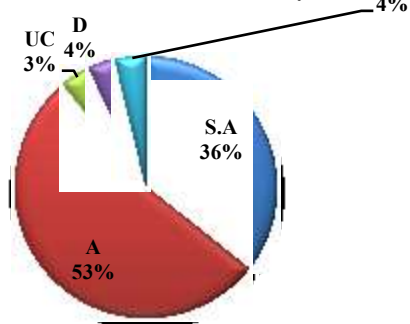
Ideas and concepts were presented clearly



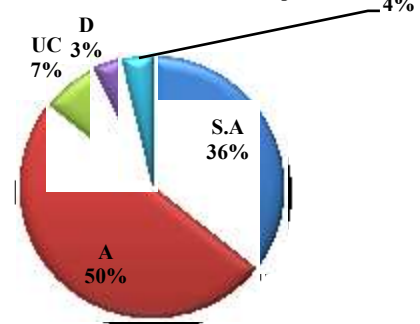
The method of assessment were reasonable

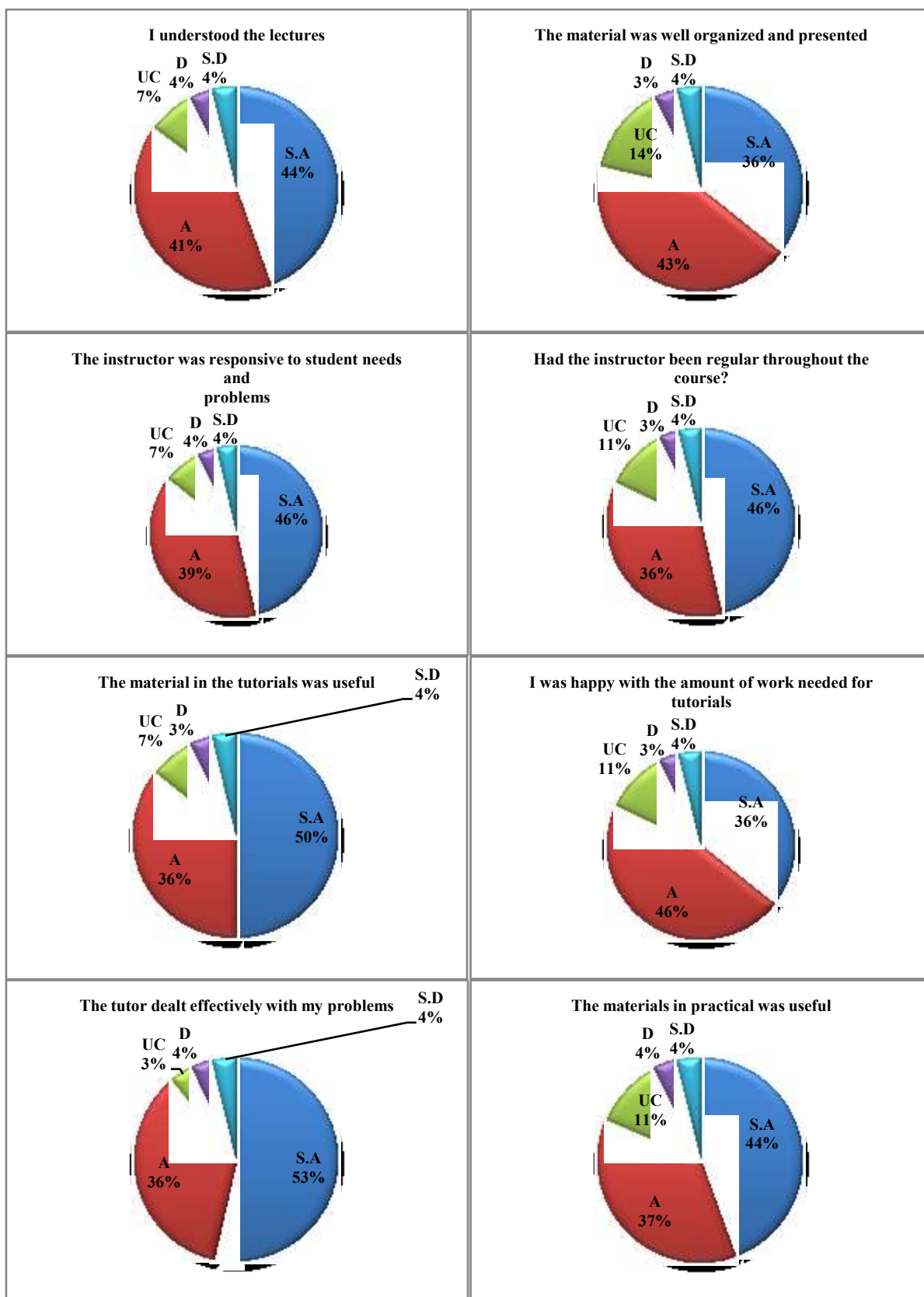


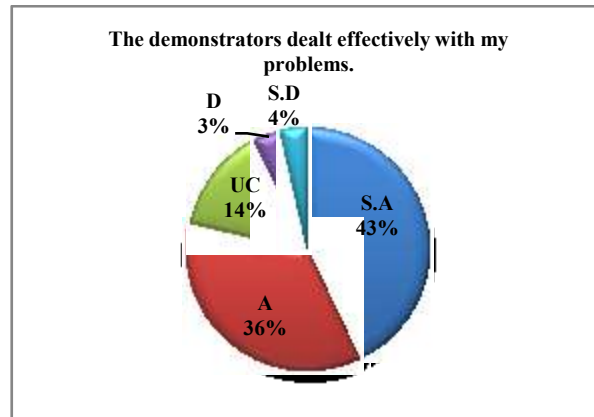
Feedback on assessment was timely



Feedback on assessment was helpful







General Comments by Students about this course

Strengths:

- Always helping
- Clear course objectives
- Reasonable work load
- Well organized course

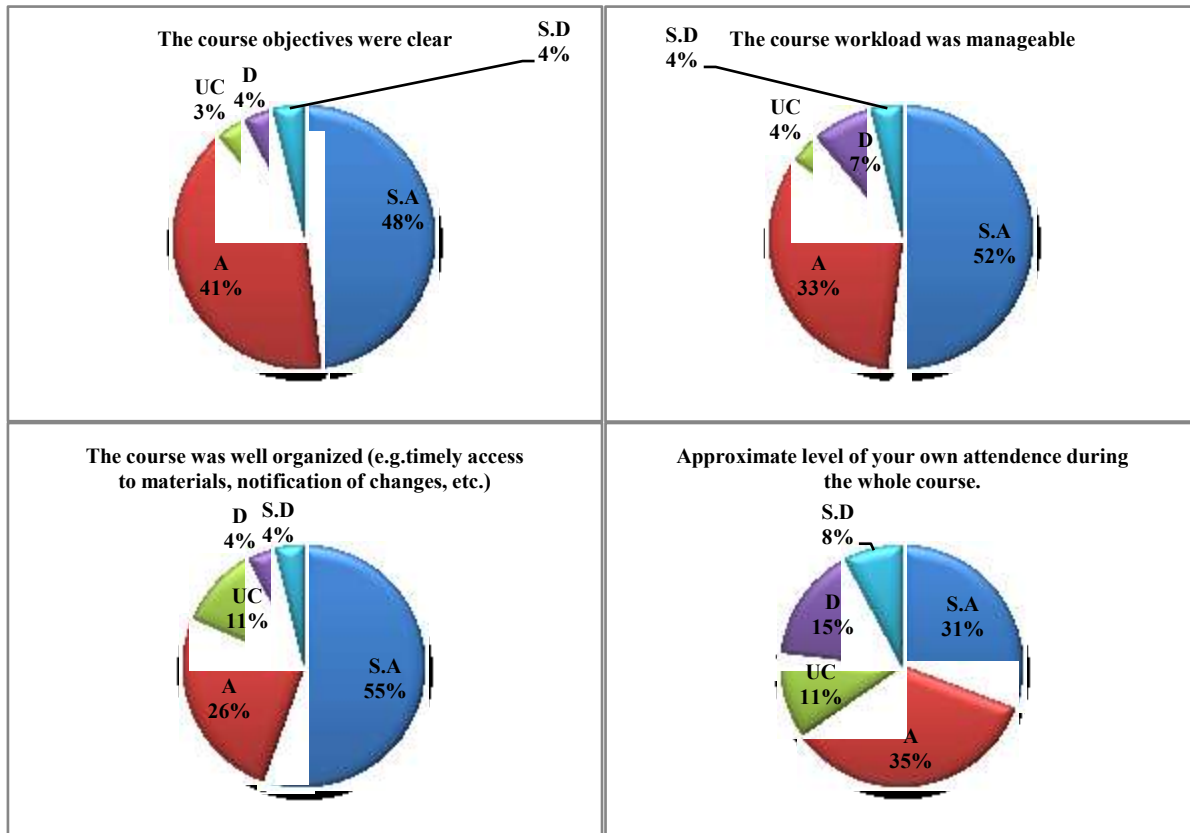
Weaknesses:

- The more time required for the lab.

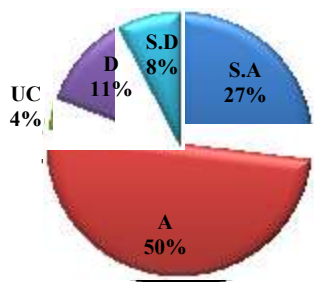
CS-582 (Mr. Yasir Hafeez)

The graph shows the details of the evaluation. The course is well managed and organized by the teacher. This can be seen in the graph “The course was well organized” (55% strongly agreed, 26% agreed, 11% are uncertain, 4% disagreed and 4% strongly disagree). Teacher’s feedback on the assessments was timely and helpful for the students. This can be seen in the graph “Feedback on assessment was timely” (36% strongly agreed, 53% agreed, 3% are uncertain, 4% disagreed and 4% strongly disagree) and “Feedback on assessment was helpful” (36% strongly agreed, 59% agreed, 7% are uncertain, 3% disagreed and 4% strongly disagree). The course objectives were clear and course proceeded according to the way of achieving this. The graph “The Course Objectives were clear” indicates this. (48% strongly agreed, 41% agreed, 3% are uncertain, 4% disagreed and 4% strongly disagree). The instructor recommended relevant and appropriate reading material for this course. The graph “Recommended reading materials were relevant and

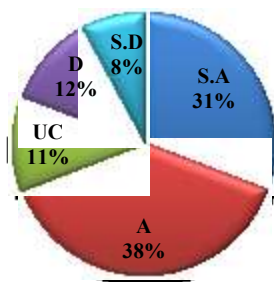
appropriate” reflects this (41% strongly agreed, 44% agreed, 7% are uncertain, 4% disagreed and 4% strongly disagreed).



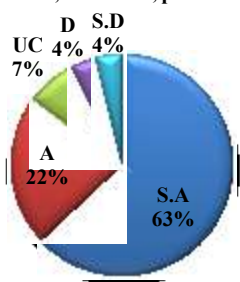
I participated actively in the course



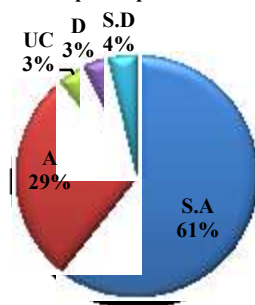
I think I have made progress in this course



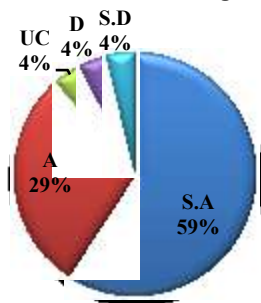
I think the course was well constructed to achieve the learning outcomes (there was a good balance of lecture, tutorials, practical etc.)



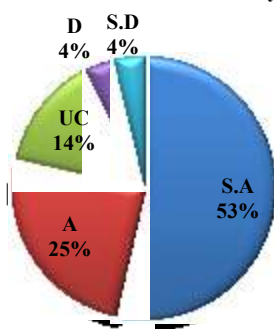
The learning and teaching methods encouraged participation.



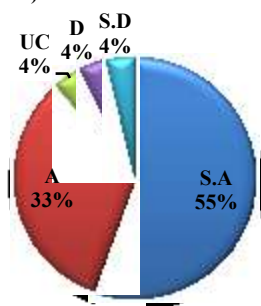
The overall environment in the class was conducive to learning.



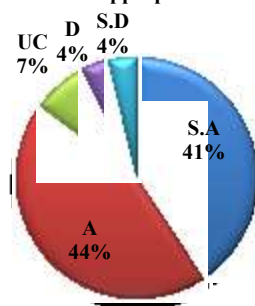
Classrooms were satisfactory



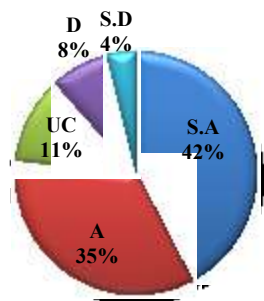
Learning materials (lesson plans, course notes etc.) were relevant and useful.



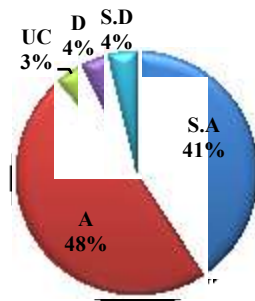
Recommended reading books etc. were relevant and appropriate.



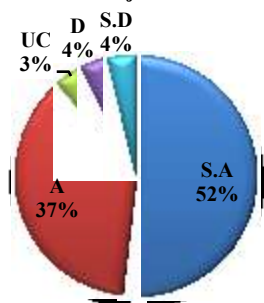
The provision of learning resources in the library was adequate and appropriate.



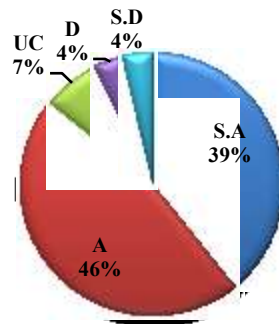
The provision of learning resources on the web was adequate and appropriate. (if relevant)



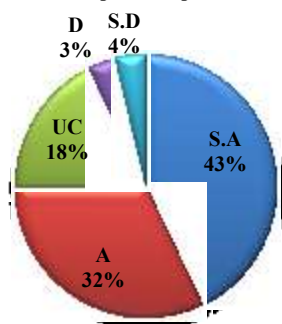
The course stimulated by interest and thought on the subject area.



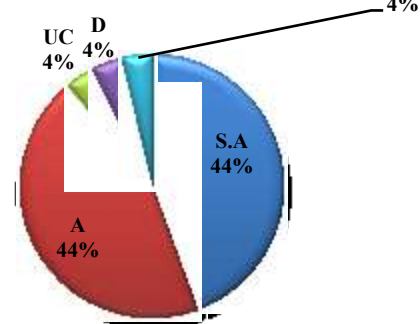
The pace of the course was appropriate



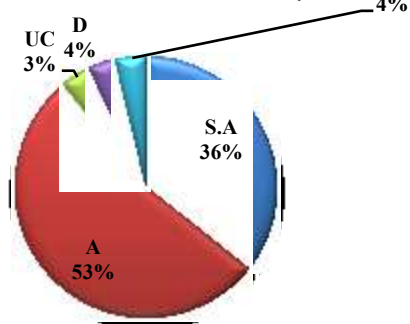
Ideas and concepts were presented clearly



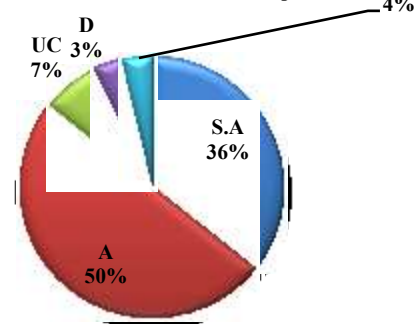
The method of assessment were reasonable

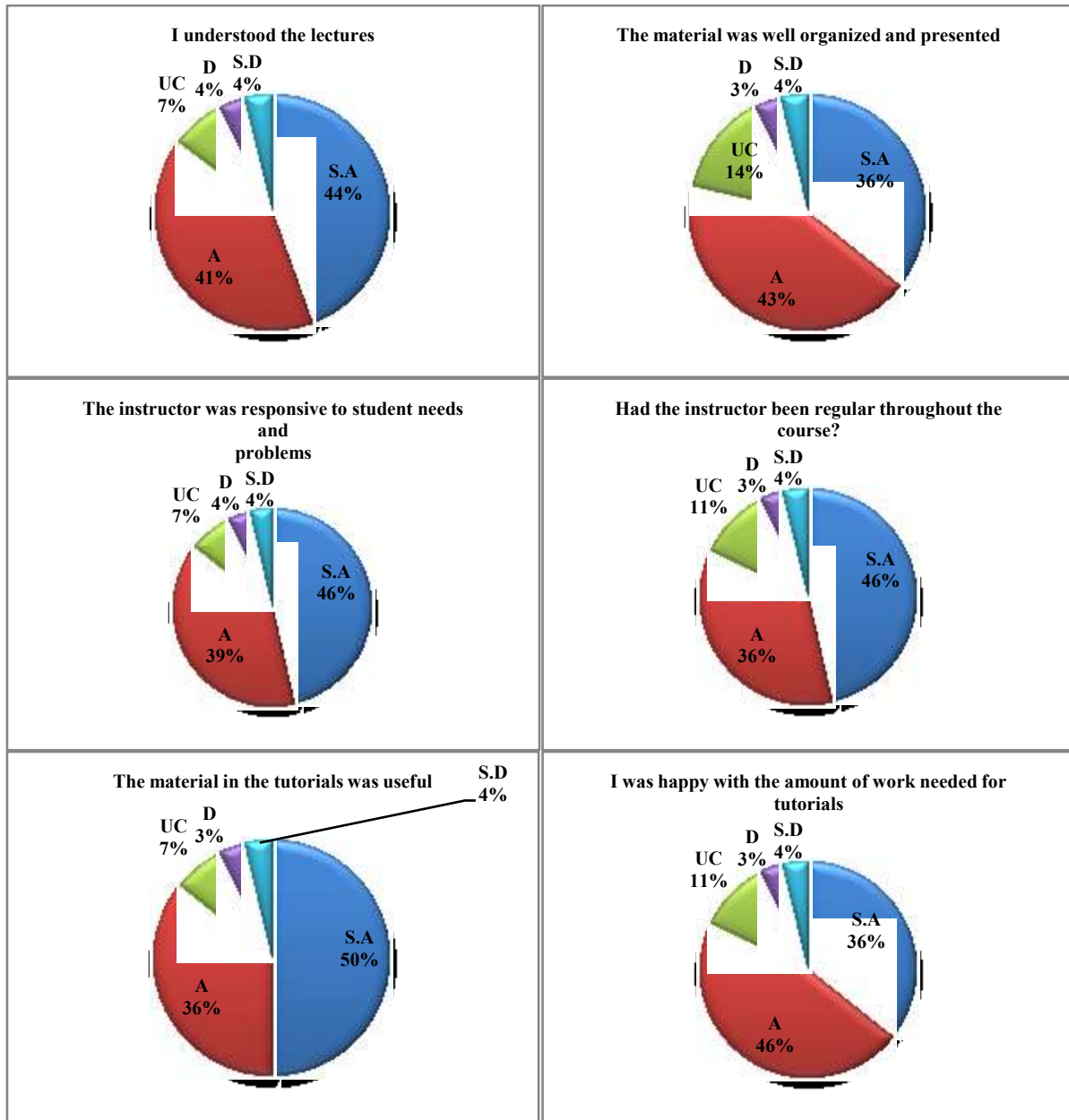


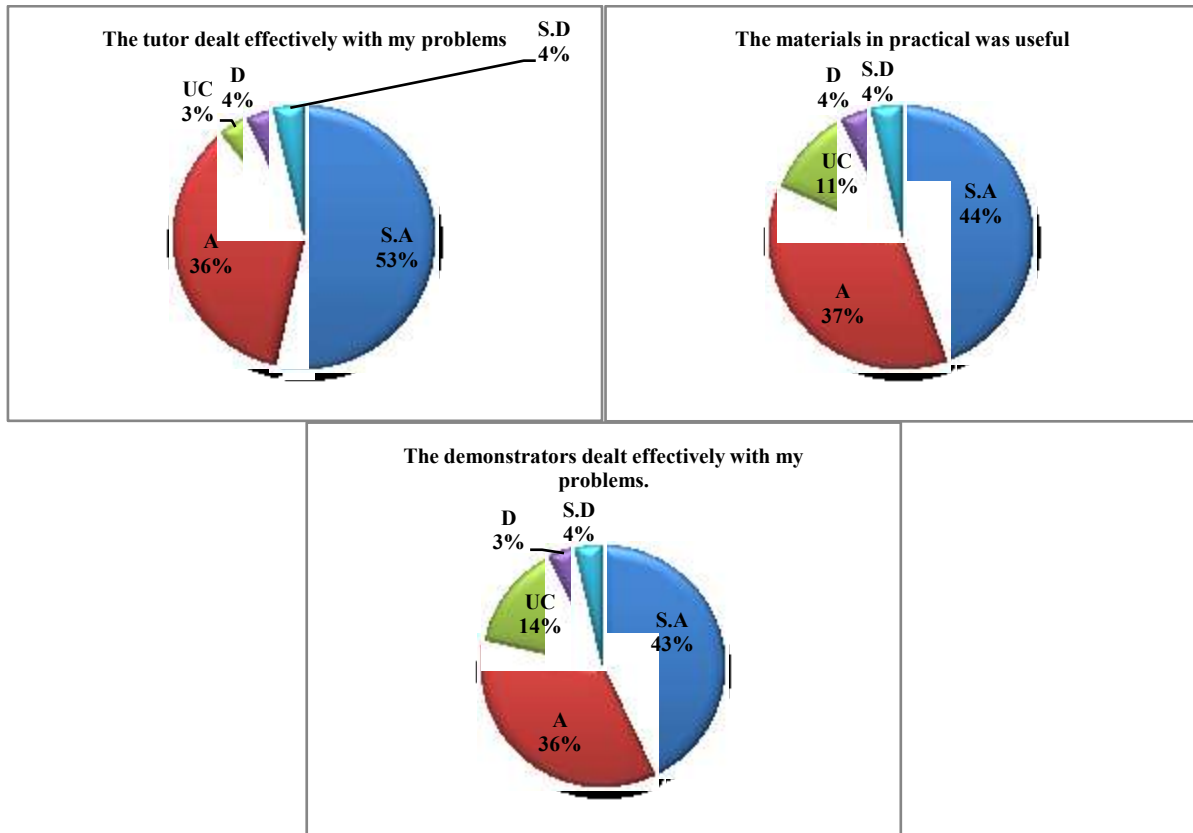
Feedback on assessment was timely



Feedback on assessment was helpful







General Comments of Students about this course

Strengths:

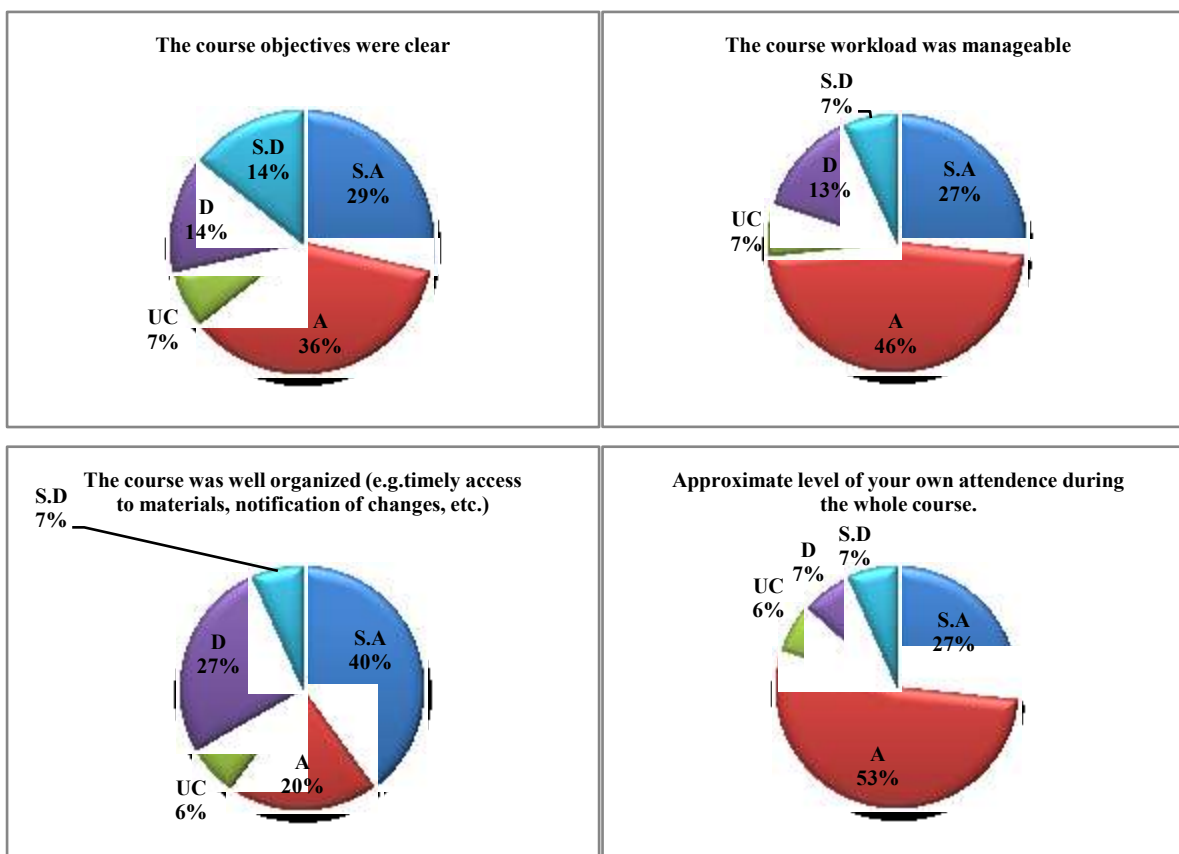
- Timely and helpful feedback on assessment
- Clear course objectives
- Well organized course
- Good recommended study material

Weaknesses:

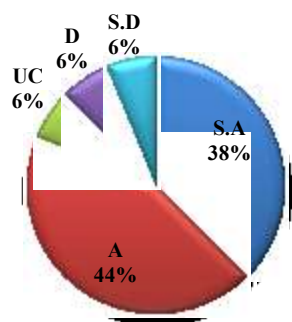
- Course needs to be re-structured
- There should be more use of the white board.

MGT-421 (Ms. Fakhra Mushtaq)

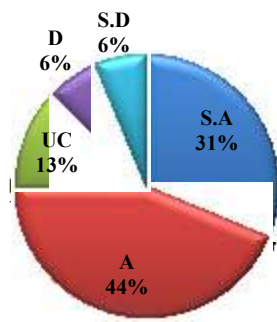
The graph shows the detail of evaluation. The graph for “The course objectives were clear”, shows that 29% are strongly agreed, 36% are agreed, 7% are uncertain, 14% disagreed and 14% are strongly disagreed. The graph for “The course workload was manageable”, shows that 27% are strongly agreed, 46% are agreed, 7% are uncertain, 13% disagreed and 7% are strongly disagreed. The graph for “Classrooms were satisfactory”, shows that 57% are strongly agreed, 7% are agreed, 15% are uncertain, 7% disagreed and 14% are strongly disagreed. The graph for “Feedback on assessment was timely”, shows that 31% are strongly agreed, 13% are agreed, 25% are uncertain, 25% disagreed and 6% are strongly disagreed. The graph for “The tutor dealt effectively with my problems”, shows that 36% are strongly agreed, 36% are agreed, 7% are uncertain, 7% disagreed and 14% are strongly disagreed. The graph for “The materials in practical was useful”, shows that 36% are strongly agreed, 7% are agreed, 29% are uncertain, 7% disagreed and 21% are strongly disagreed. The graph for “Ideas and concepts were presented clearly”, shows that 50% are strongly agreed, 15% are agreed, 7% are uncertain, 14% disagreed and 14% are strongly disagreed.



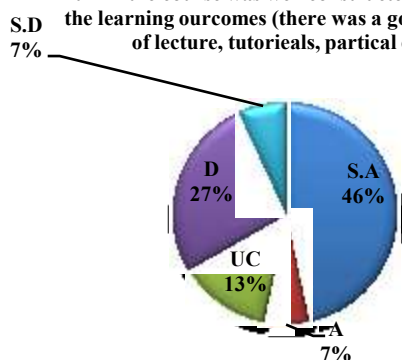
I participated actively in the course



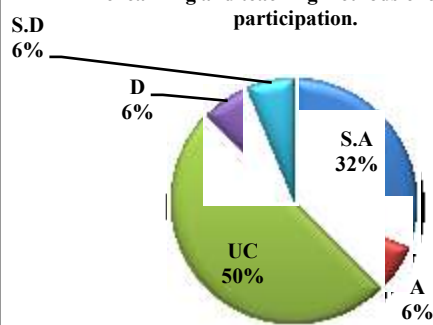
I think I have made progress in this course



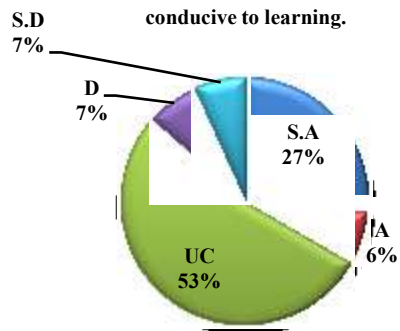
I think the course was well constructed to achieve the learning ourcomes (there was a good balance of lecture, tutorials, partical etc.)



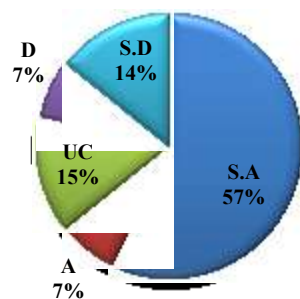
The learning and teaching methods encouraged participation.



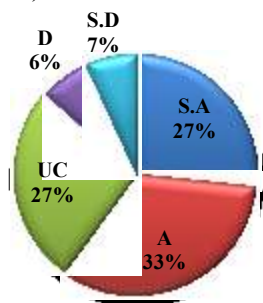
The overall environment in the class was conducive to learning.



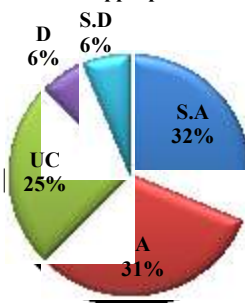
Classrooms were satisfactory

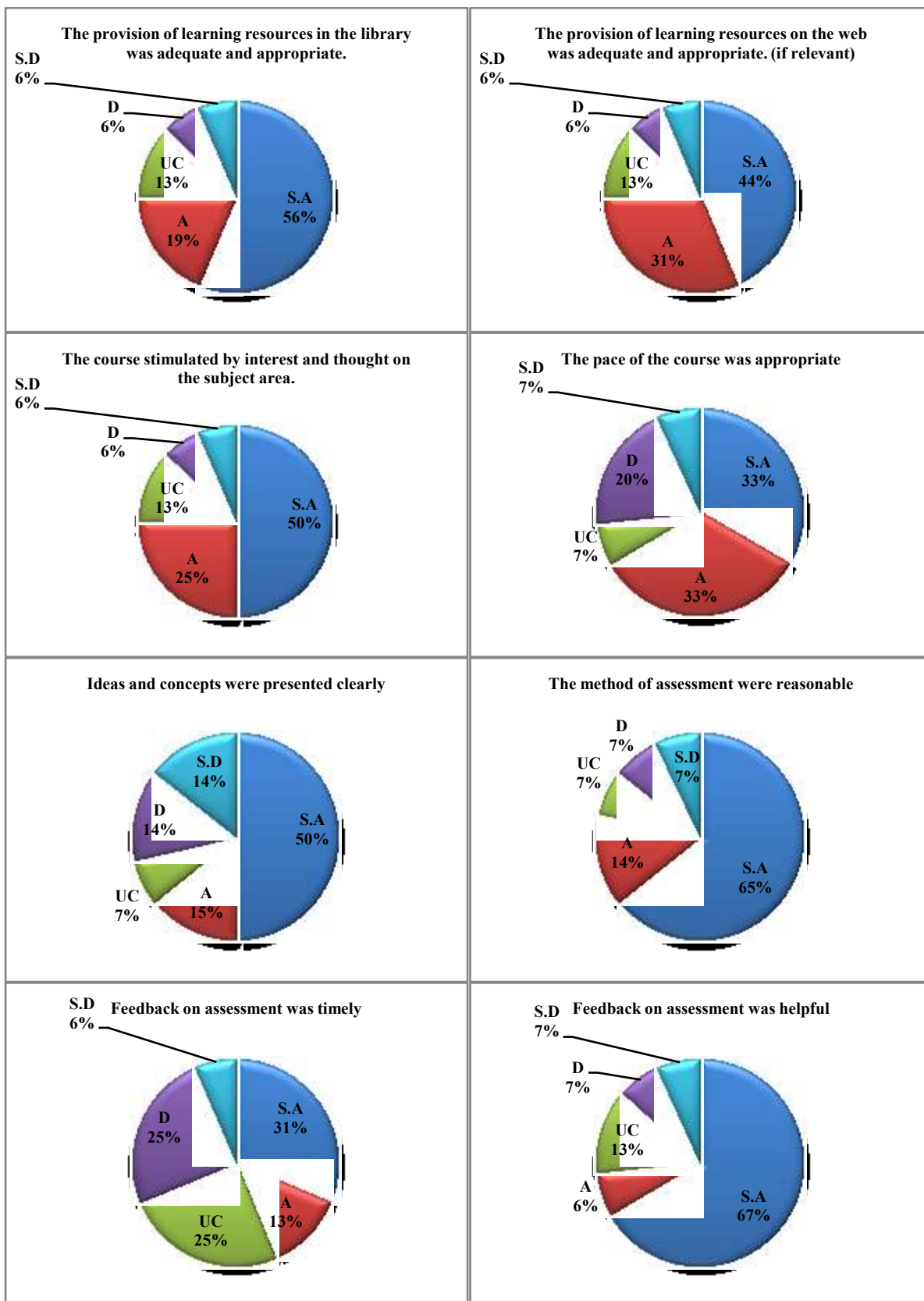


Learning materials (lesson plans, course notes etc.) were relevant and useful.

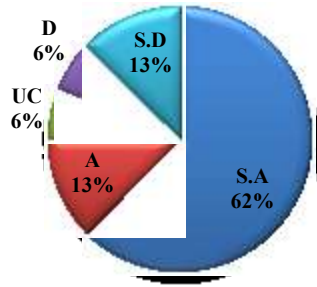


Recommended reading books etc. were relevant and appropriate.

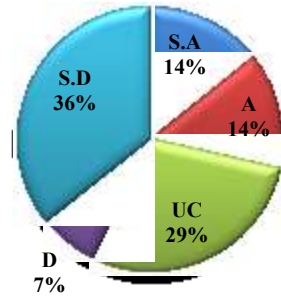




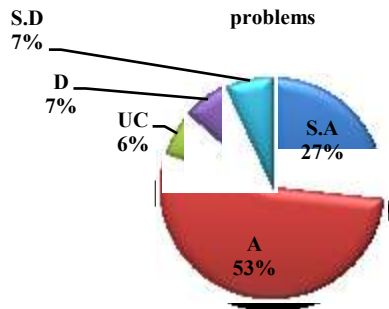
I understood the lectures



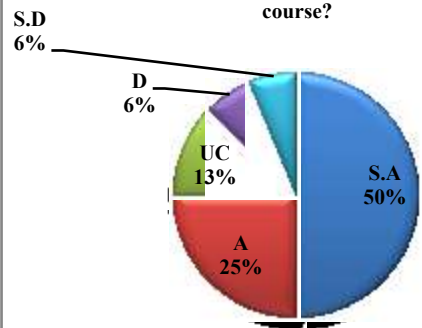
The material was well organized and presented



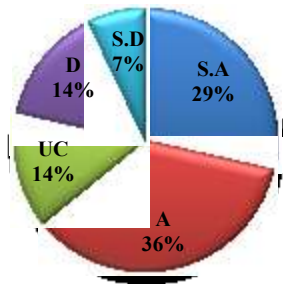
The instructor was responsive to student needs and problems



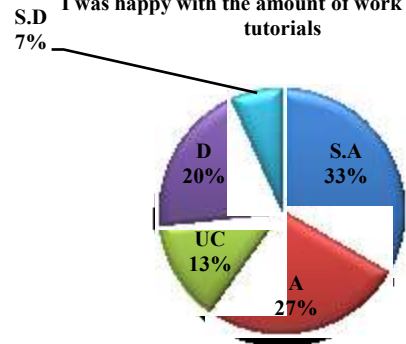
Had the instructor been regular throughout the course?

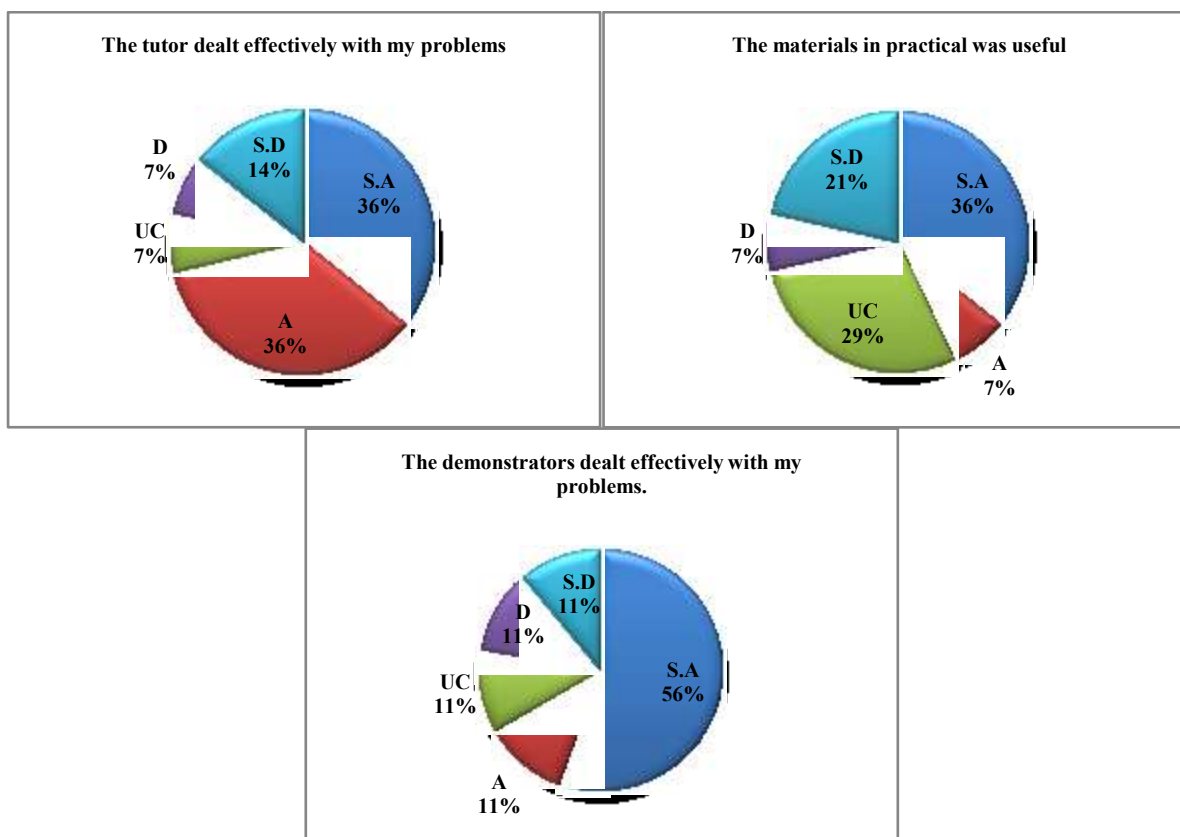


The material in the tutorials was useful



I was happy with the amount of work needed for tutorials





General Comments of the Students about this Course

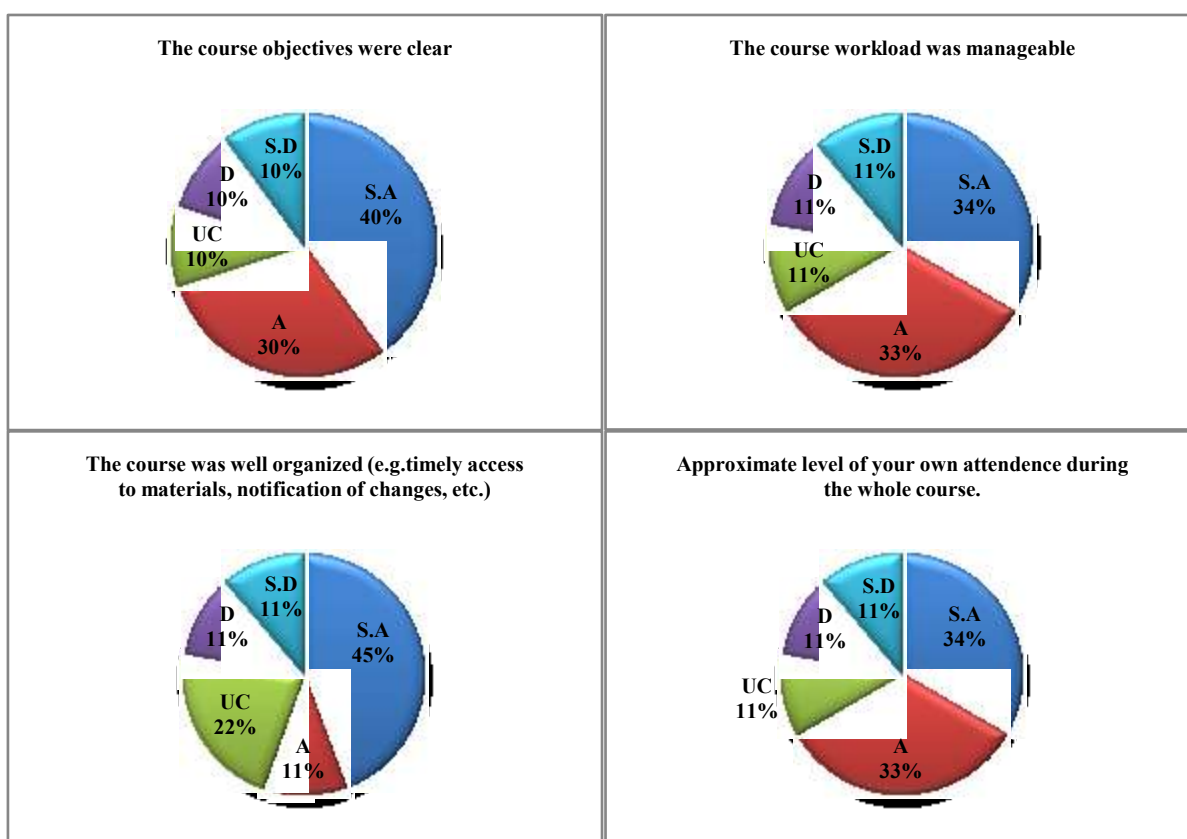
Weaknesses:

- Ideas and objectives were ambiguous.
- Learning environment and resources were not satisfactory.
- Course objectives must be clearly defined.
- The course work load was not manageable.

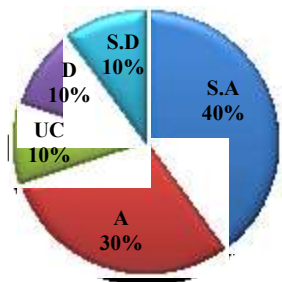
MGT-520 (Ms.Fakhra Mushtaq)

The graph shows the details of the evaluation. The course was managed at a good pace by the teacher. This can be seen in the graph “The pace of the course was appropriate”, 34% strongly agreed, 33% agreed, 11% are uncertain, 11% disagreed and 11% strongly disagree. The course was well constructed to achieve the learning outcomes which can be seen in the graph “I think

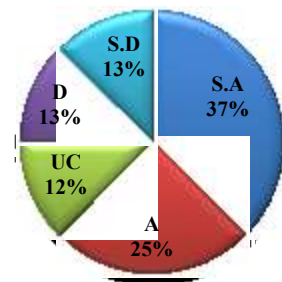
the course was well constructed to achieve learning outcomes (there was a good balance of lecture, tutorials, practical etc.)”, 22% strongly agreed, 45% agreed, 11% are uncertain, 11% disagreed and 11% strongly disagree. Teacher’s teaching methodology encouraged students to participate in the course.. The graph “The learning and teaching methods encouraged participation” indicates this, 45% strongly agreed, 32% agreed, 11% are uncertain, 11% disagreed and 11% strongly disagree. The instructor maintained a good clarity of presenting ideas and concepts throughout the course. The graph “Ideas and concepts were presented clearly” reflects this, 34% strongly agreed, 33% agreed, 11% are uncertain, 11% disagreed and 11% strongly disagree.



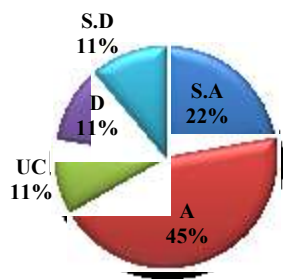
I participated actively in the course



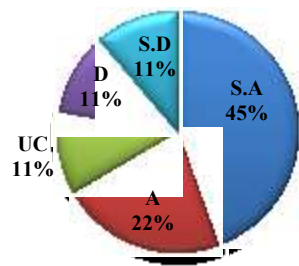
I think I have made progress in this course



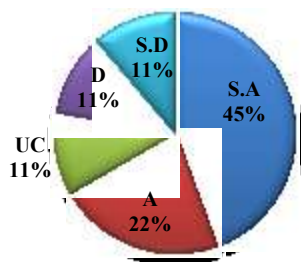
I think the course was well constructed to achieve the learning outcomes (there was a good balance of lecture, tutorials, practical etc.)



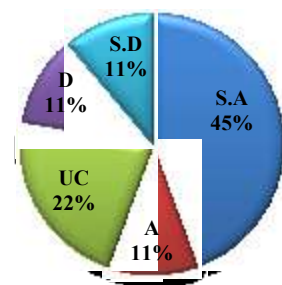
The learning and teaching methods encouraged participation.



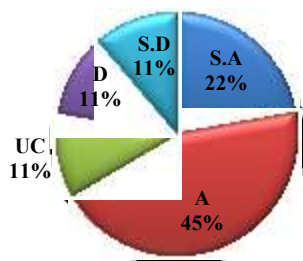
The overall environment in the class was conducive to learning.



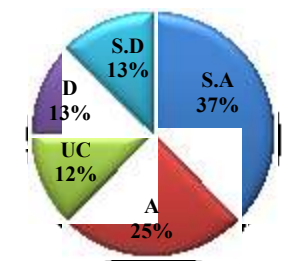
Classrooms were satisfactory



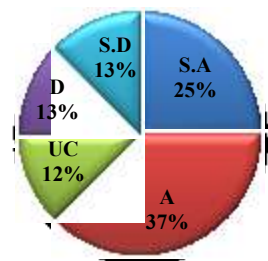
Learning materials (lesson plans, course notes etc.) were relevant and useful.



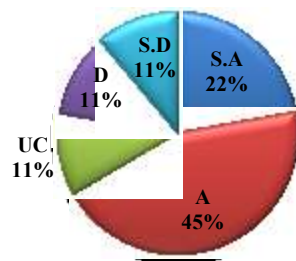
Recommended reading books etc. were relevant and appropriate.



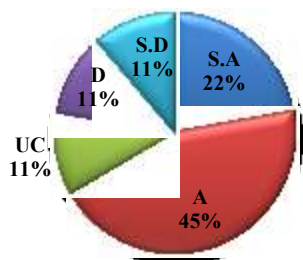
The provision of learning resources in the library was adequate and appropriate.



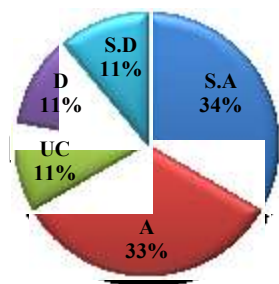
The provision of learning resources on the web was adequate and appropriate. (if relevant)



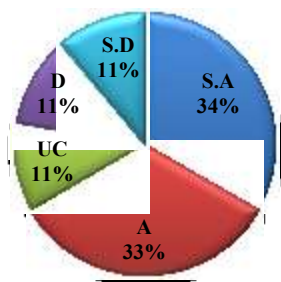
The course stimulated by interest and thought on the subject area.



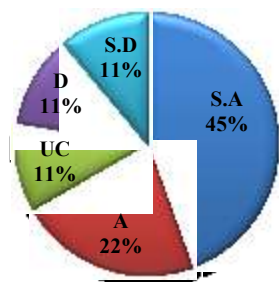
The pace of the course was appropriate



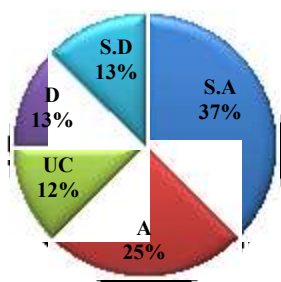
Ideas and concepts were presented clearly



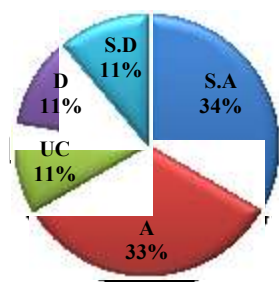
The method of assessment were reasonable



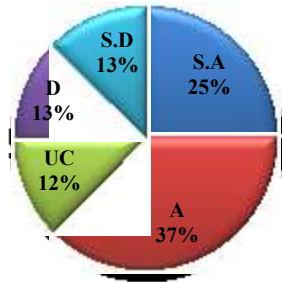
Feedback on assessment was timely



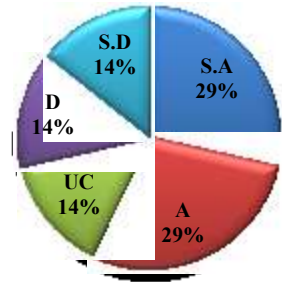
Feedback on assessment was helpful



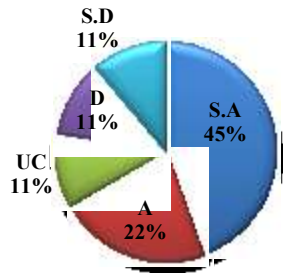
I understood the lectures



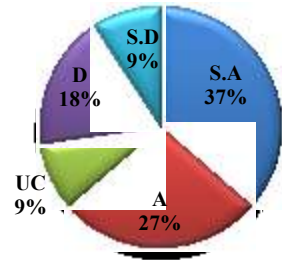
The material was well organized and presented



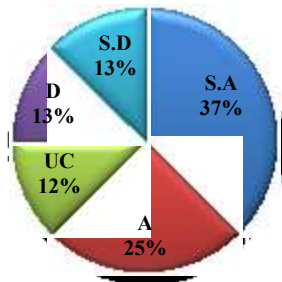
The instructor was responsive to student needs and problems



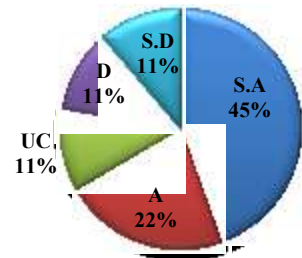
Had the instructor been regular throughout the course?

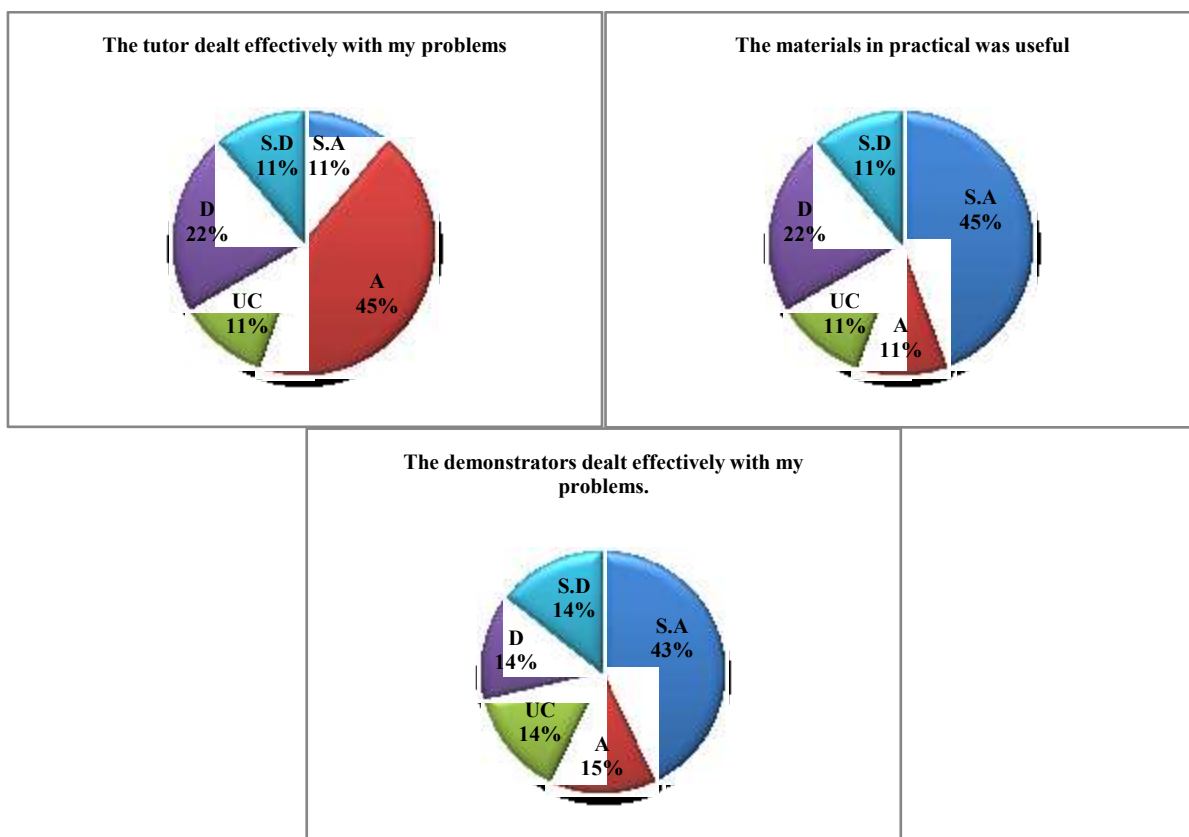


The material in the tutorials was useful



I was happy with the amount of work needed for tutorials





General Comments of Students about this course

Strengths:

- Always well prepared for the lecture
- Encourage the questions in the class

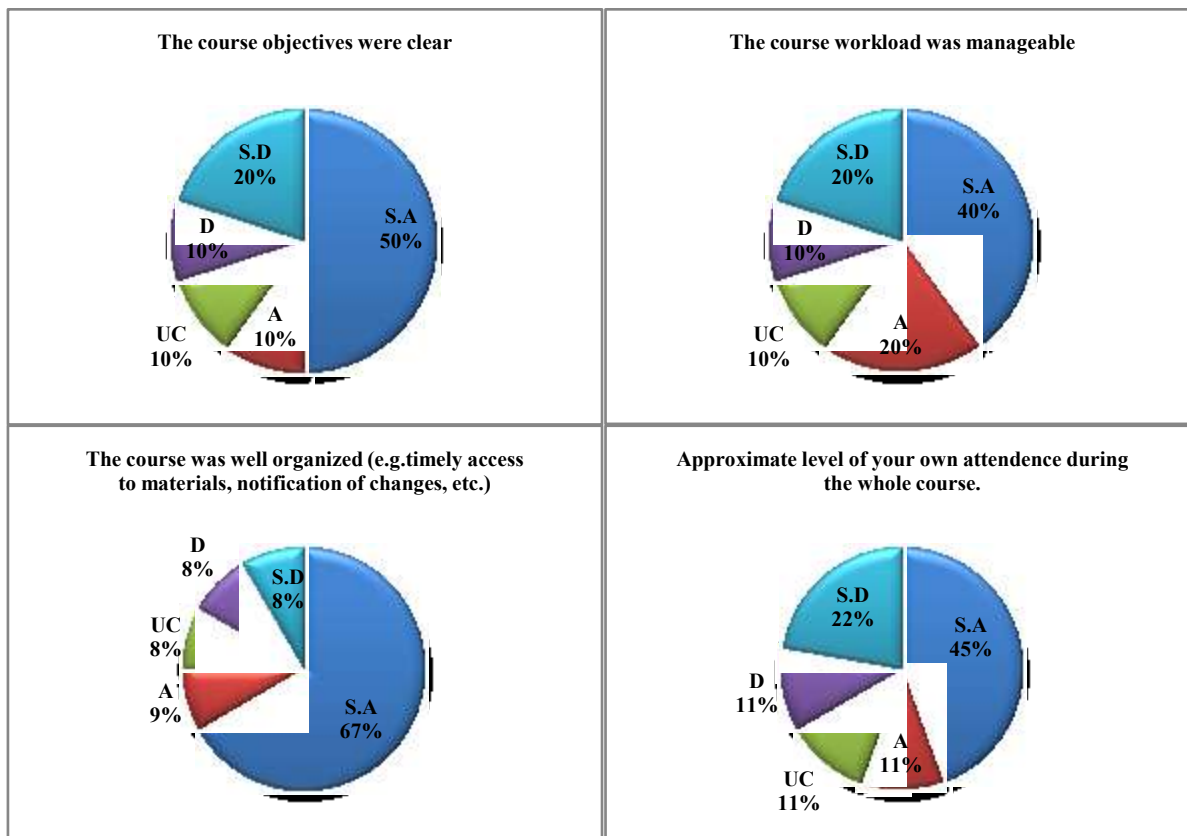
Weaknesses:

- More lab time required
- More reference material required.
- Timely feedback required.

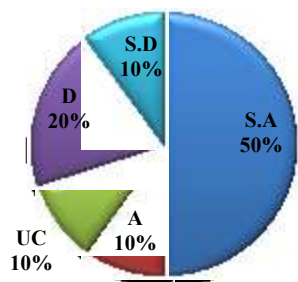
CS-582 (Mr. Nasir Mehmood)

The graph shows the details of the evaluation. There were enough library resources for the students for this course. . This can be seen in the graph “The provision of learning resources in the library was adequate and appropriate”, 11% strongly agreed, 56% agreed, 11% are uncertain, 11% disagreed and 11% strongly disagree. The course was well constructed to achieve the

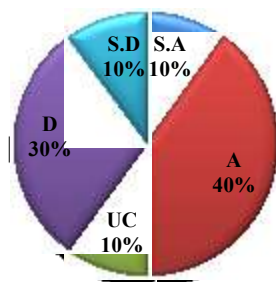
learning outcomes which can be seen in the graph “I think the course was well constructed to achieve learning outcomes (there was a good balance of lecture, tutorials, practical etc.)”, 67% strongly agreed, 9% agreed, 8% are uncertain, 8% disagreed and 8% strongly disagree. Students actively participated in the course. The graph “I participated actively in the course” indicates this, 34% strongly agreed, 33% agreed, 11% are uncertain, 11% disagreed and 11% strongly disagree. The instructor maintained a good clarity of presenting ideas and concepts throughout the course. The graph “Ideas and concepts were presented clearly” reflects this, 34% strongly agreed, 33% agreed, 11% are uncertain, 11% disagreed and 11% strongly disagree). The teacher has managed the course workload very well. The graph “The Course workload was manageable” show this, 40% strongly agreed, 20% agreed, 10% are uncertain, 10% disagreed and 20% strongly disagree.



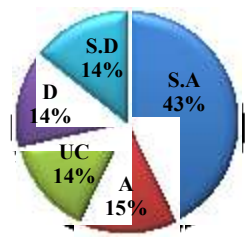
I participated actively in the course



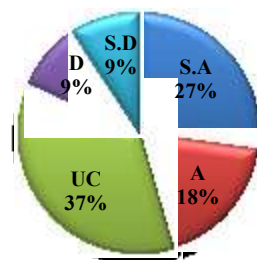
I think I have made progress in this course



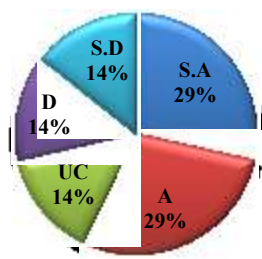
I think the course was well constructed to achieve the learning outcomes (there was a good balance of lecture, tutorials, practical etc.)



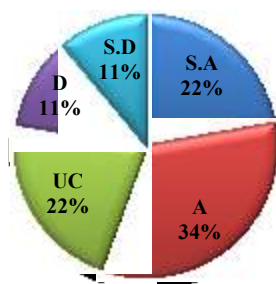
The learning and teaching methods encouraged participation.



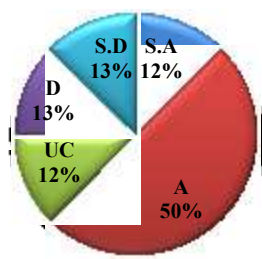
The overall environment in the class was conducive to learning.



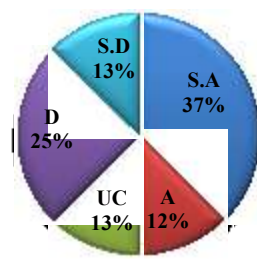
Classrooms were satisfactory



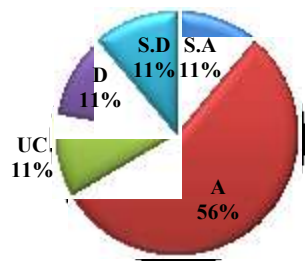
Learning materials (lesson plans, course notes etc.) were relevant and useful.



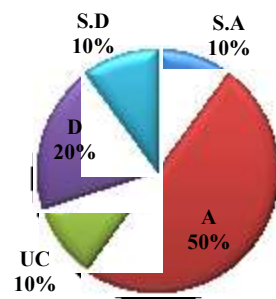
Recommended reading books etc. were relevant and appropriate.



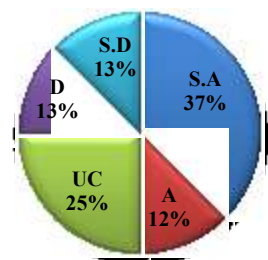
The provision of learning resources in the library was adequate and appropriate.



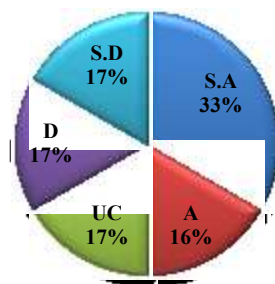
The provision of learning resources on the web was adequate and appropriate. (if relevant)



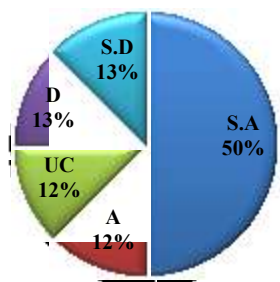
The course stimulated by interest and thought on the subject area.



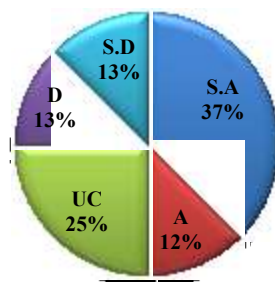
The pace of the course was appropriate



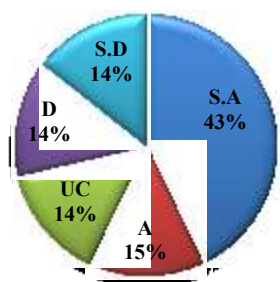
Ideas and concepts were presented clearly



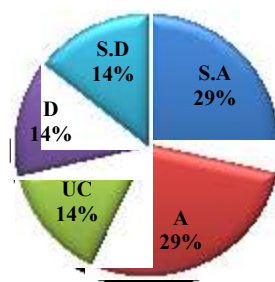
The method of assessment were reasonable



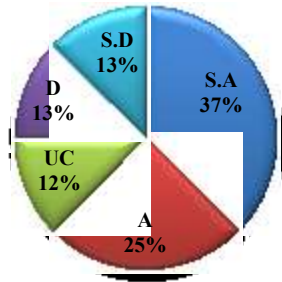
Feedback on assessment was timely



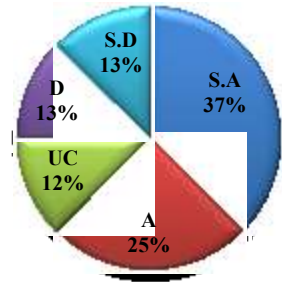
Feedback on assessment was helpful



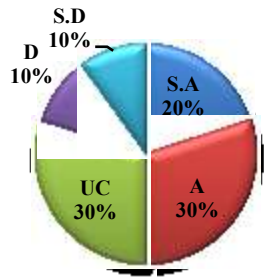
I understood the lectures



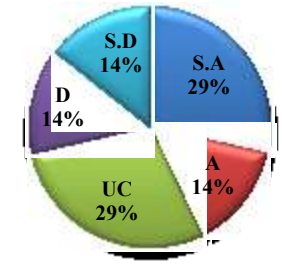
The material was well organized and presented



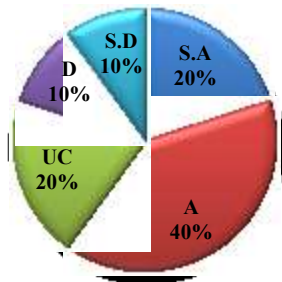
The instructor was responsive to student needs and problems



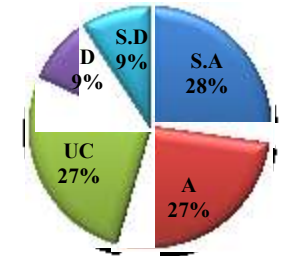
Had the instructor been regular throughout the course?

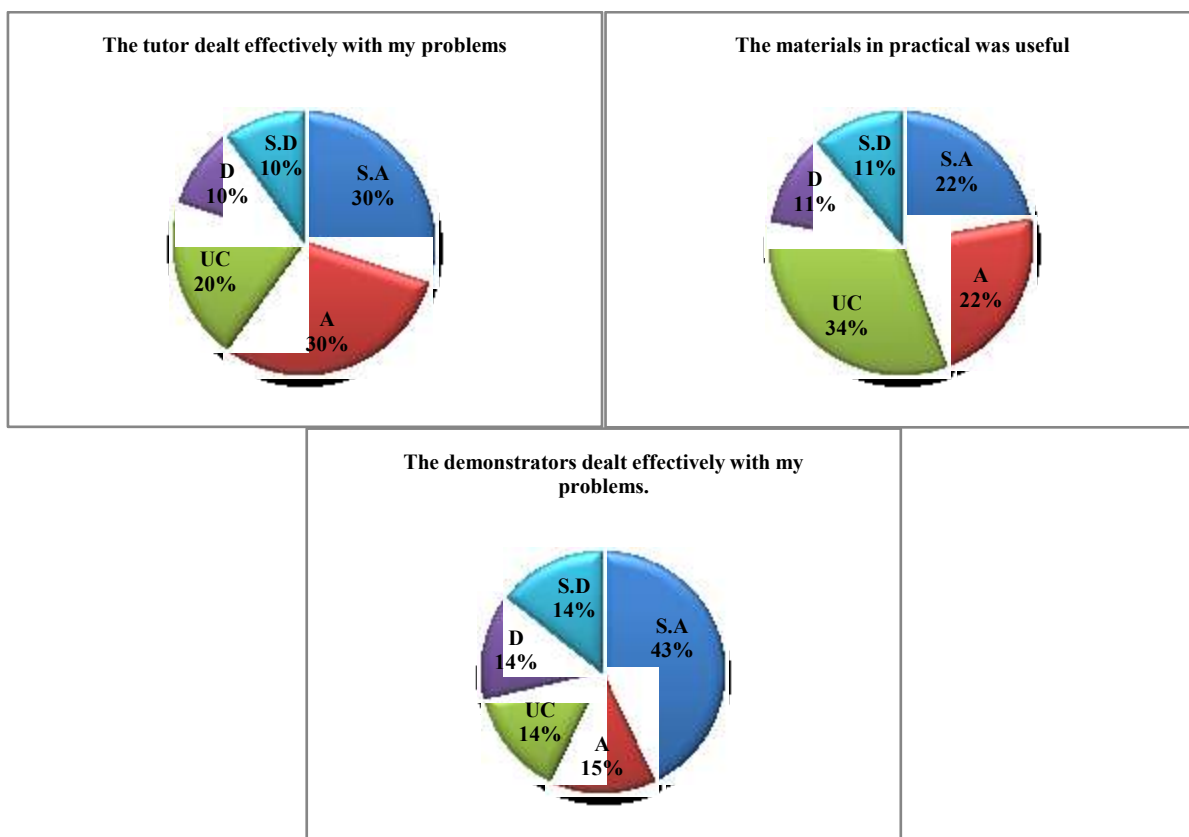


The material in the tutorials was useful



I was happy with the amount of work needed for tutorials





General Comments of Students about this course

Strengths:

- Well Managed course
- Speed was ok

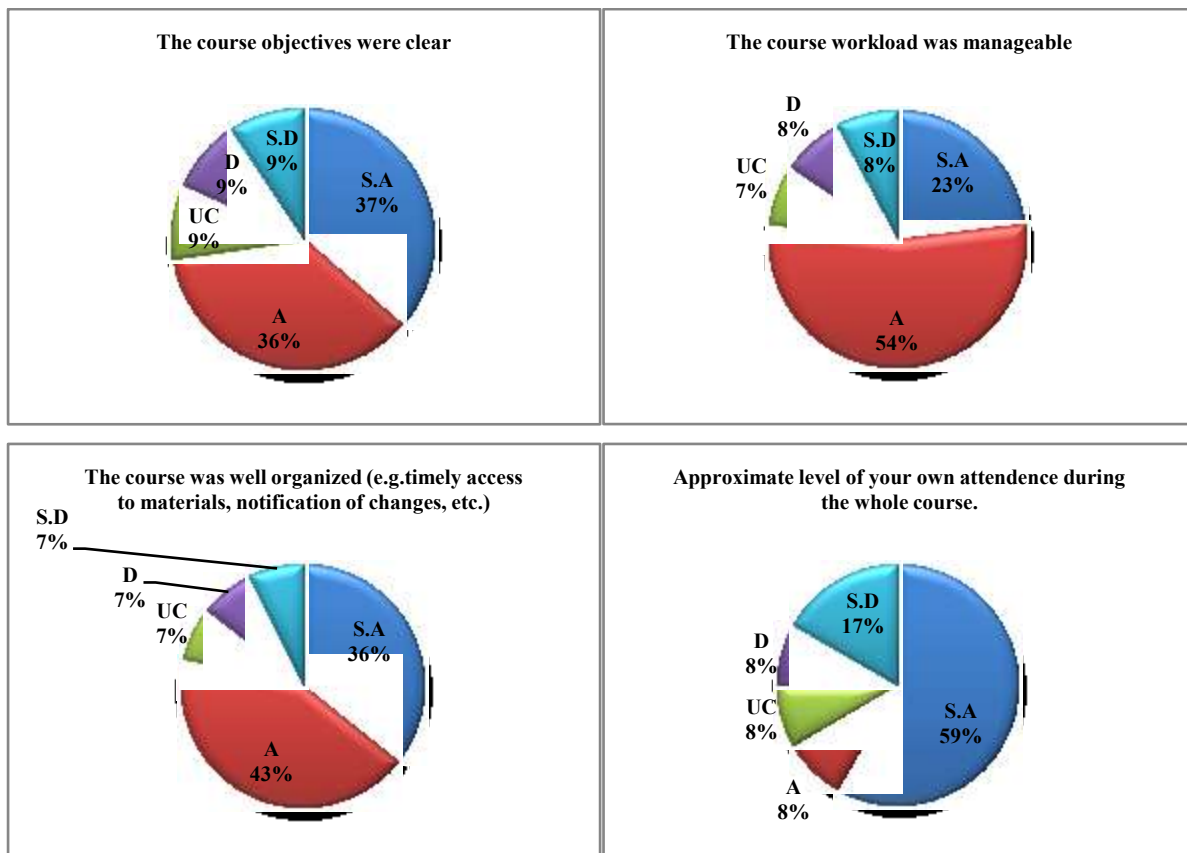
Weaknesses:

- Reference material required.
- Detail tutorials should be provided.

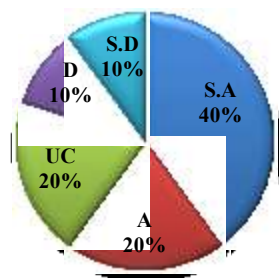
CS-430 (Mr. Shehzad Saqib)

The graph shows the detail of evaluation. The graph for “The course objectives were clear”, shows that 37% are strongly agreed, 36% are agreed, 9% are uncertain, 9% disagreed and 9% are strongly disagreed. The graph for “The course workload was manageable”, shows that 23% are strongly agreed, 54% are agreed, 7% are uncertain, 8% disagreed and 8% are strongly disagreed. The graph for “Classrooms were satisfactory”, shows that 46% are strongly agreed, 33% are

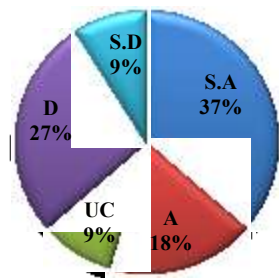
agreed, 7% are uncertain, 7% disagreed and 7% are strongly disagreed. The graph for “Feedback on assessment was timely”, shows that 44% are strongly agreed, 39% are agreed, 5% are uncertain, 6% disagreed and 6% are strongly disagreed. The graph for “The tutor dealt effectively with my problems”, shows that 34% are strongly agreed, 33% are agreed, 11% are uncertain, 11% disagreed and 11% are strongly disagreed. The graph for “The materials in practical was useful”, shows that 46% are strongly agreed, 15% are agreed, 8% are uncertain, 23% disagreed and 8% are strongly disagreed. The graph for “Ideas and concepts were presented clearly”, shows that 37% are strongly agreed, 36% are agreed, 9% are uncertain, 9% disagreed and 9% are strongly disagreed.



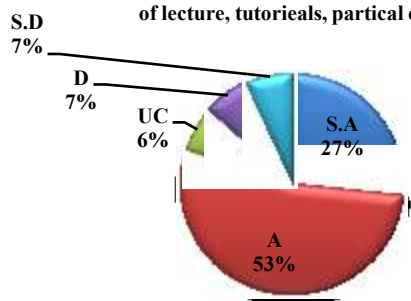
I participated actively in the course



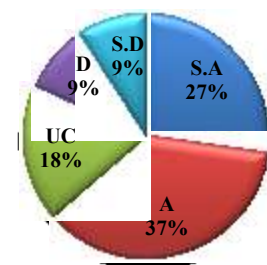
I think I have made progress in this course



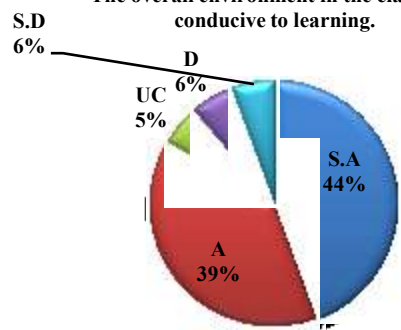
I think the course was well constructed to achieve the learning outcomes (there was a good balance of lecture, tutorials, practical etc.)



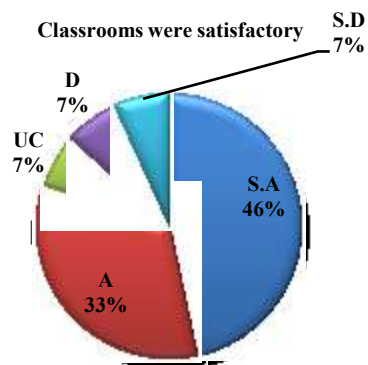
The learning and teaching methods encouraged participation.



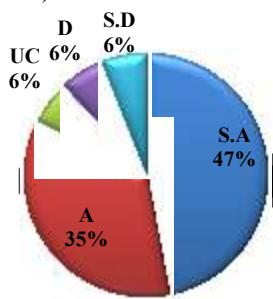
The overall environment in the class was conducive to learning.



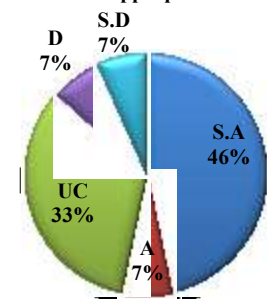
Classrooms were satisfactory

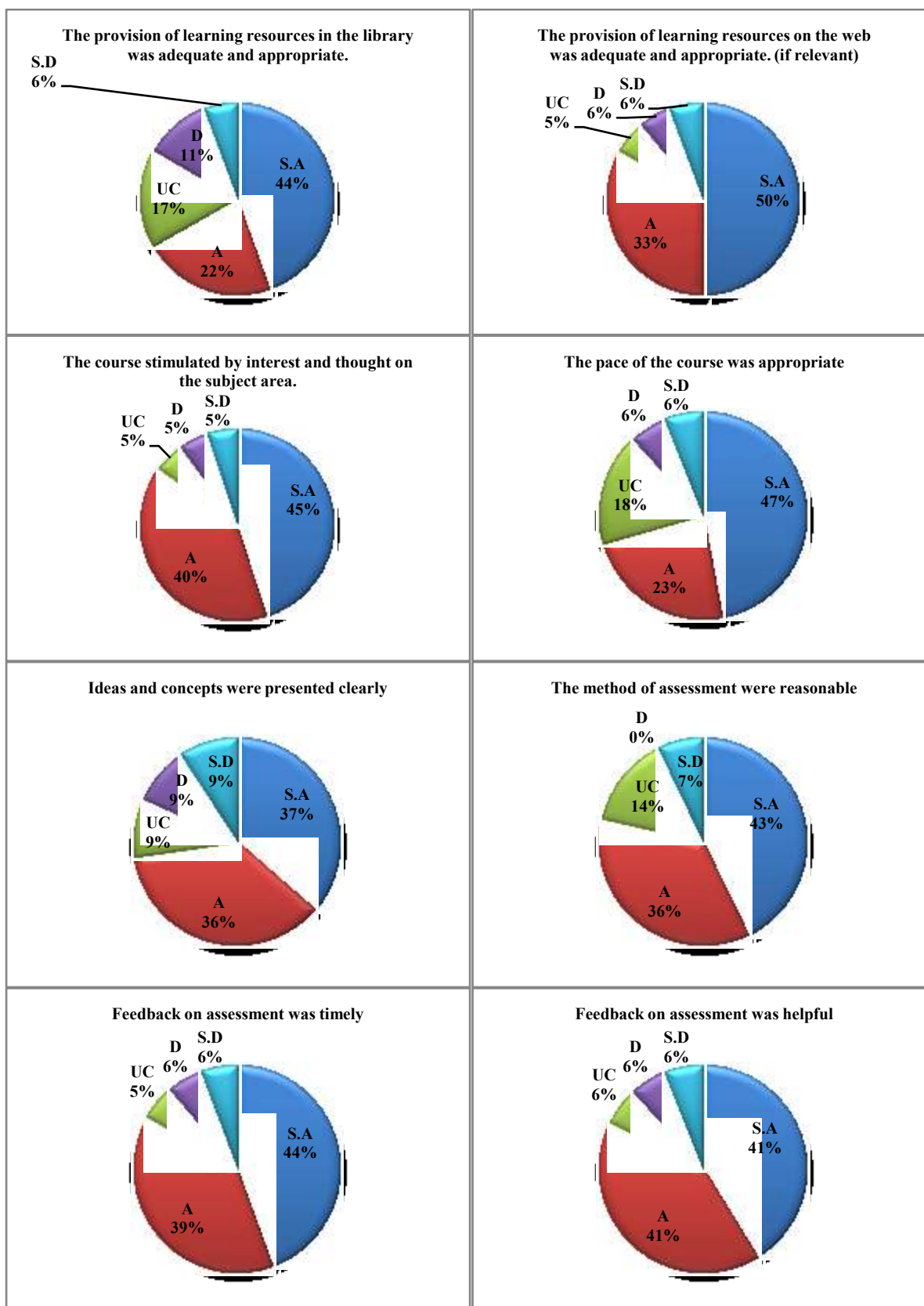


Learning materials (lesson plans, course notes etc.) were relevant and useful.

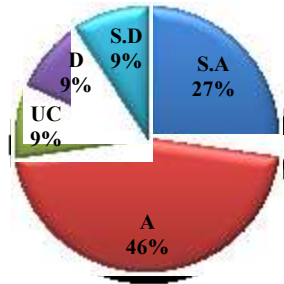


Recommended reading books etc. were relevant and appropriate.

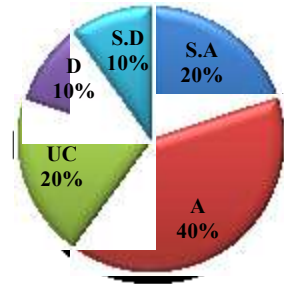




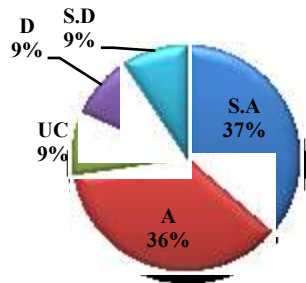
I understood the lectures



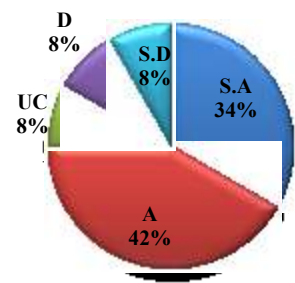
The material was well organized and presented



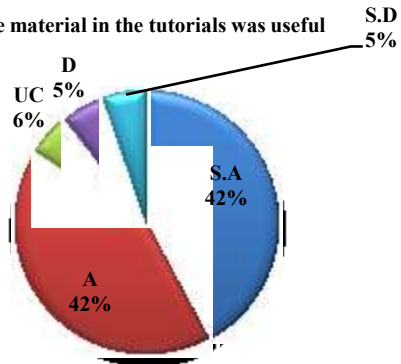
The instructor was responsive to student needs and problems



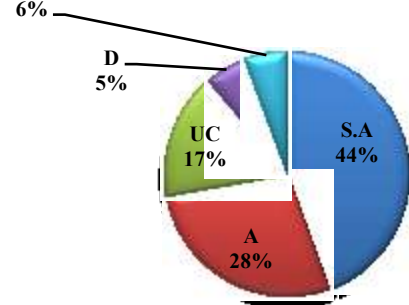
Had the instructor been regular throughout the course?



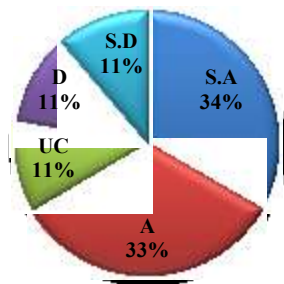
The material in the tutorials was useful



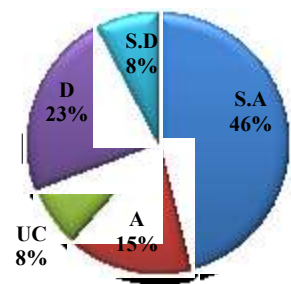
I was happy with the amount of work needed for tutorials

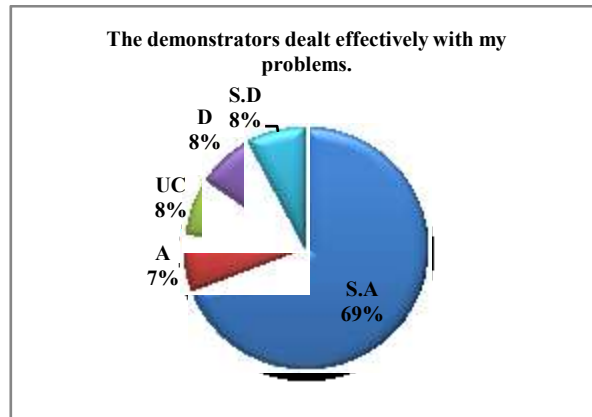


The tutor dealt effectively with my problems



The materials in practical was useful





General Comments of the Students about this Course

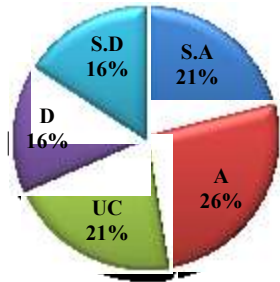
Strengths

- The course was informative and interesting.
- The course was relevant to the field.

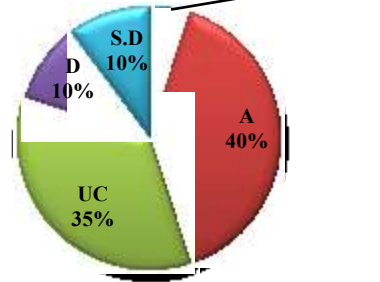
CS-575 (Mr. Sheeraz Akram)

The graph shows the details of the evaluation. The pace of the course was excellent as shown in the graph “The pace of the course was appropriate”, 32% strongly agreed, 47% agreed, 5% are uncertain, 5% disagreed and 11% strongly disagree. The course stimulated interest and thought in the students for this course. The graph “The course stimulated interest and thought on the subject area”, 33% strongly agreed, 40% agreed, 10% are uncertain, 5% disagreed and 10% strongly disagree. The instructor recommended relevant and appropriate reading material for this course. The graph “Recommended reading materials were relevant and appropriate” reflects this, 41% strongly agreed, 44% agreed, 7% are uncertain, 4% disagreed and 4% strongly disagree. The instructor proved to be very helping. The graph “The instructor was responsive to student needs and problems indicate this, 46% strongly agreed, 39% agreed, 7% are uncertain, 4% disagreed and 4% strongly disagree. The teacher has managed the course workload very well. The graph “The Course workload was manageable ” show this, 52% strongly agreed, 33% agreed, 4% are uncertain, 7% disagreed and 4% strongly disagree.

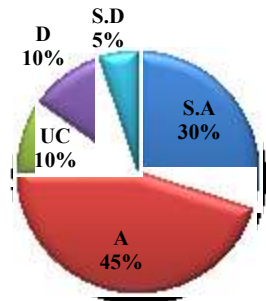
The course objectives were clear



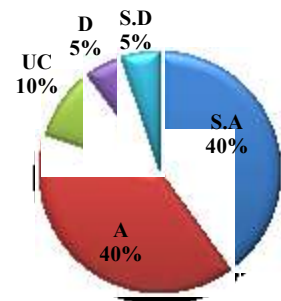
The course workload was manageable



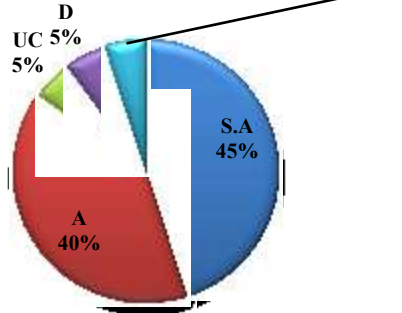
The course was well organized (e.g. timely access to materials, notification of changes, etc.)



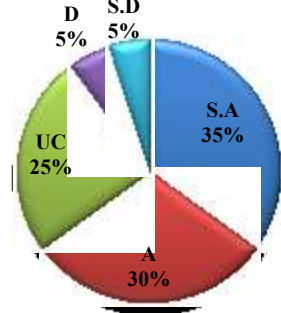
Approximate level of your own attendance during the whole course.



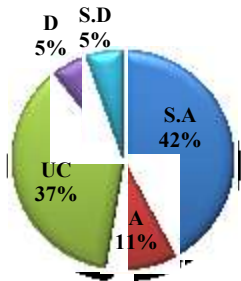
I participated actively in the course



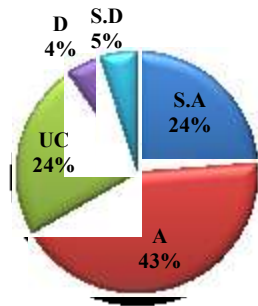
I think I have made progress in this course



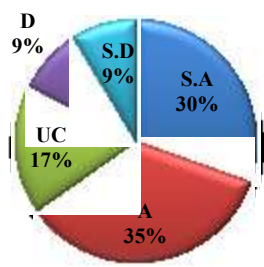
I think the course was well constructed to achieve the learning outcomes (there was a good balance of lecture, tutorials, practical etc.)



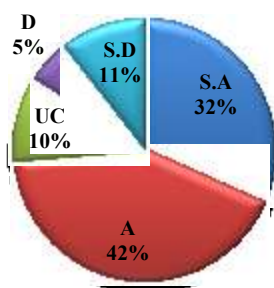
The learning and teaching methods encouraged participation.



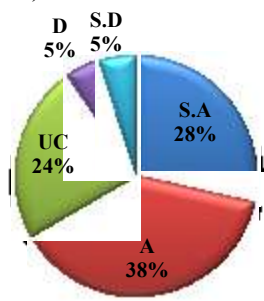
The overall environment in the class was conducive to learning.



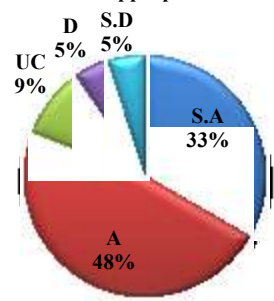
Classrooms were satisfactory



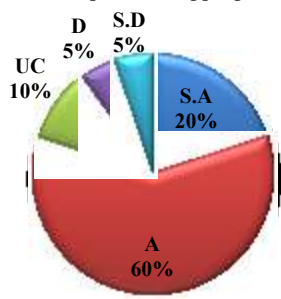
Learning materials (lesson plans, course notes etc.) were relevant and useful.



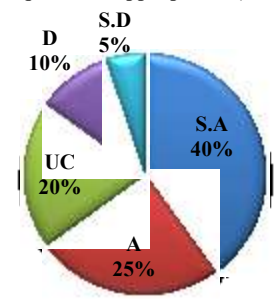
Recommended reading books etc. were relevant and appropriate.



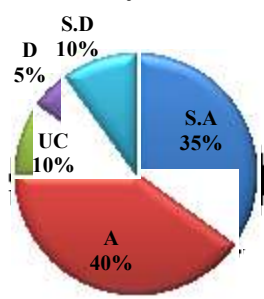
The provision of learning resources in the library was adequate and appropriate.



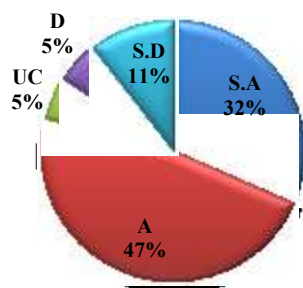
The provision of learning resources on the web was adequate and appropriate. (if relevant)

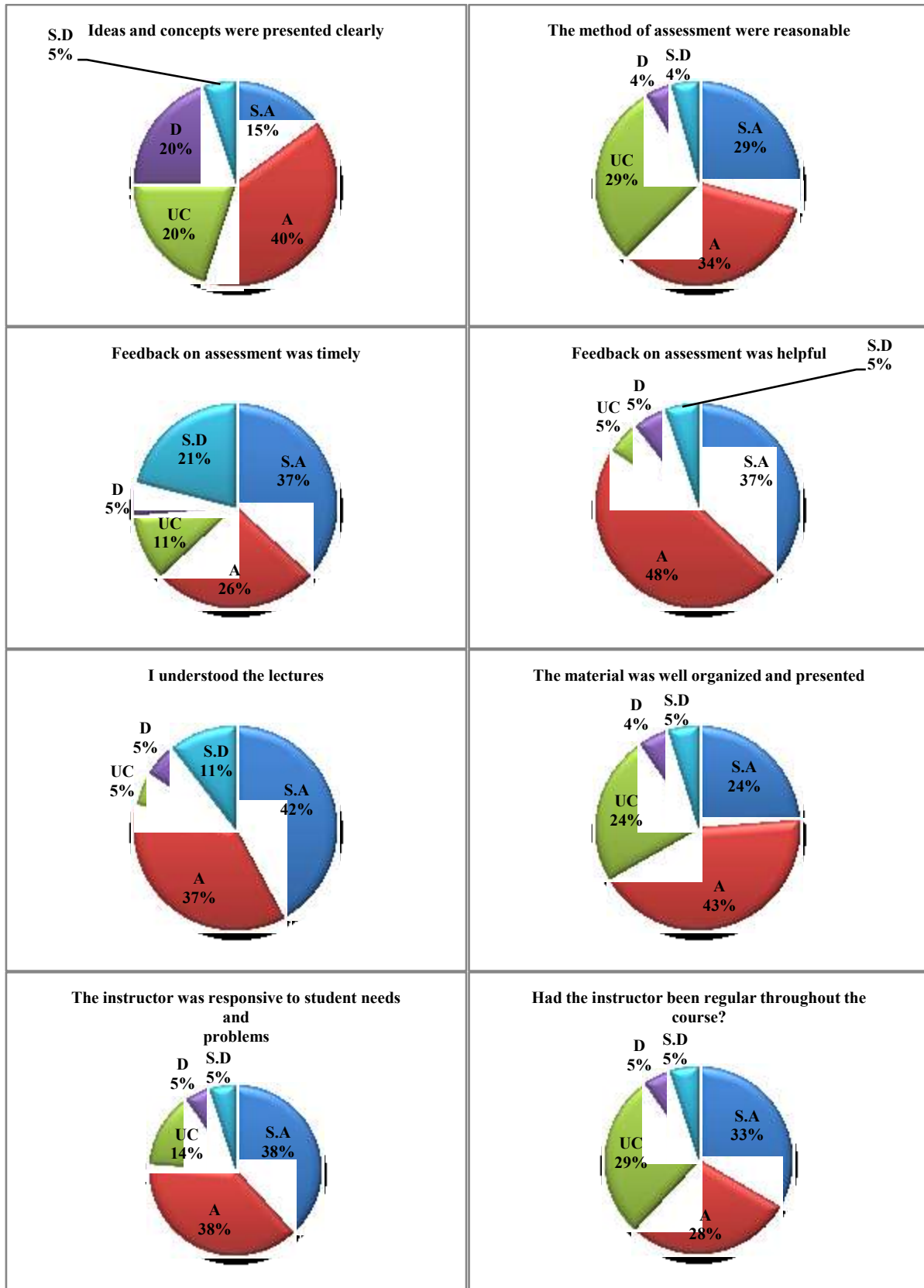


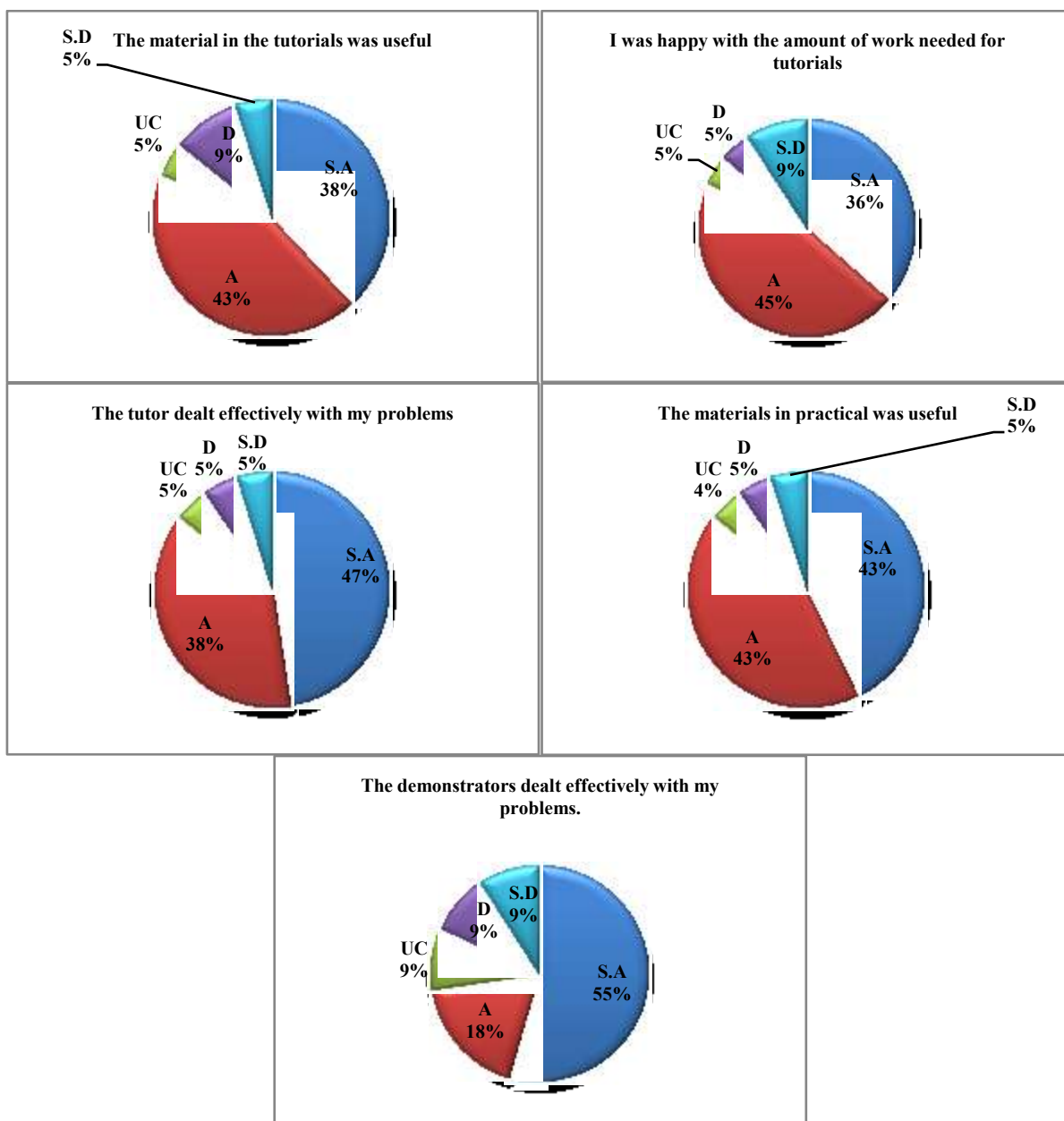
The course stimulated by interest and thought on the subject area.



The pace of the course was appropriate







General Comments of Students about this course

Strengths:

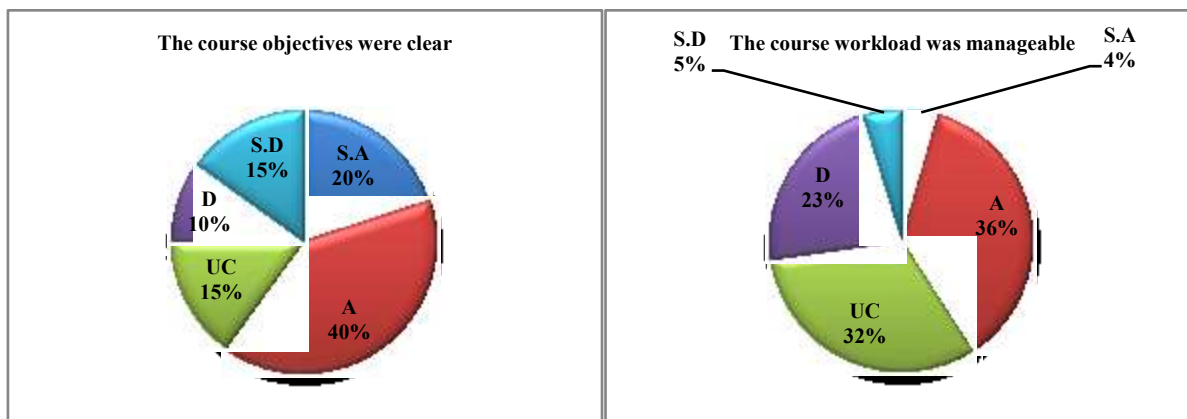
- Well prepared for lectures.
- Answer the questions in good way.

Weaknesses:

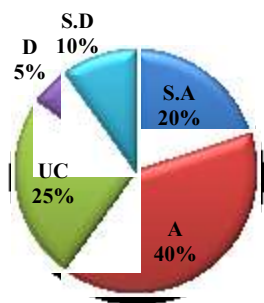
- More use of white board.
- More reference material should be provided.

CS-400 (Mr. Muhammad Nazir)

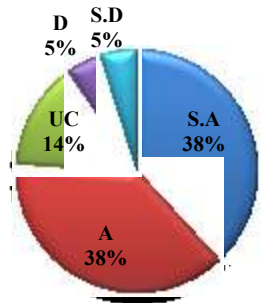
The graph shows the details of the evaluation. The graph ‘‘I think I have made good progress in this course’’ shows that students performed well in this course, 45% strongly agreed, 32% agreed, 4% are uncertain, 14% disagreed and 5% strongly disagree. The teacher always provided timely feedback on assessments as shown in the graph ‘‘Feedback on assessment was timely’’, 33% strongly agreed, 40% agreed, 10% are uncertain, 5% disagreed and 10% strongly disagree. The pace of the course was excellent as shown in the graph ‘‘The pace of the course was appropriate’’, 45% strongly agreed, 36% agreed, 9% are uncertain, 5% disagreed and 5% strongly disagree. Students actively participated in the course. The graph ‘‘I participated actively in the course’’ indicates this, 43% strongly agreed, 38% agreed, 9% are uncertain, 5% disagreed and 5% strongly disagree. The course was well constructed to achieve the learning outcomes which can be seen in the graph ‘‘I think the course was well constructed to achieve learning outcomes (there was a good balance of lecture, tutorials, practical etc.)’’, 38% strongly agreed, 43% agreed, 9% are uncertain, 5% disagreed and 5% strongly disagree.



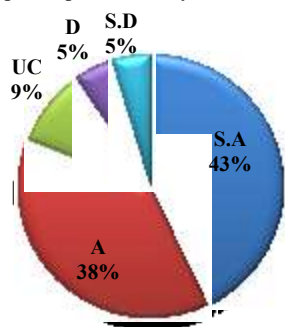
The course was well organized (e.g.timely access to materials, notification of changes, etc.)



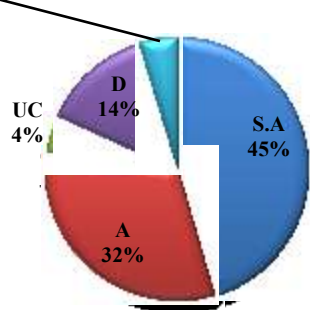
Approximate level of your own attendance during the whole course.



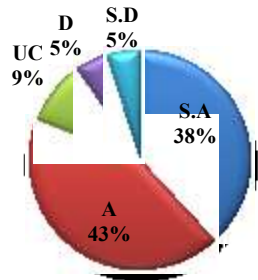
I participated actively in the course



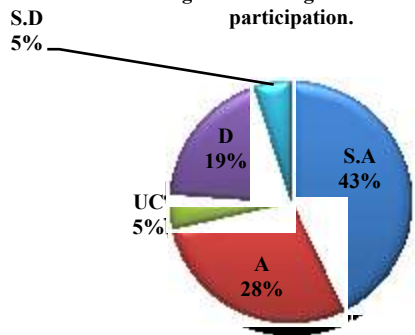
I think I have made progress in this course



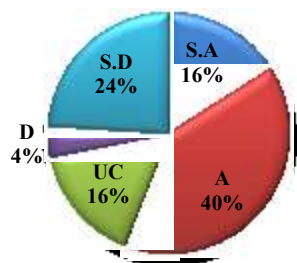
I think the course was well constructed to achieve the learning ourcomes (there was a good balance of lecture, tutorials, partical etc.)



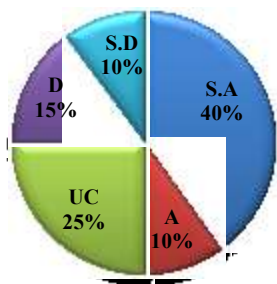
The learning and teaching methods encouraged participation.



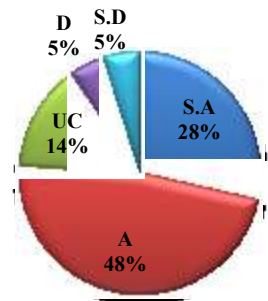
The overall environment in the class was conducive to learning.



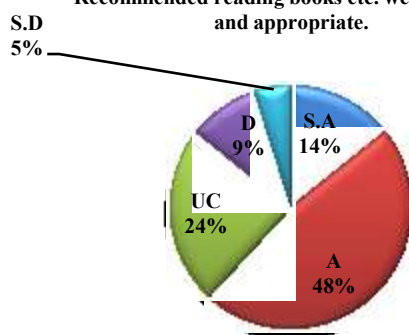
Classrooms were satisfactory



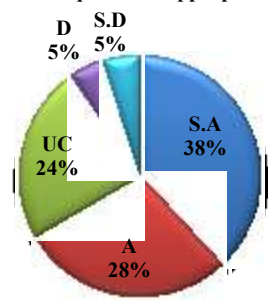
Learning materials (lesson plans, course notes etc.) were relevant and useful.



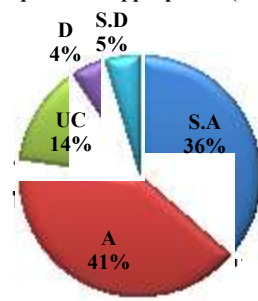
Recommended reading books etc. were relevant and appropriate.



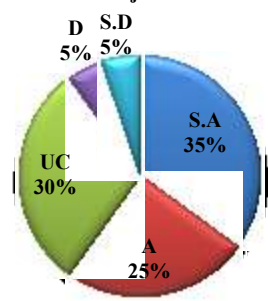
The provision of learning resources in the library was adequate and appropriate.



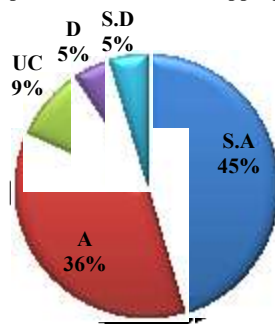
The provision of learning resources on the web was adequate and appropriate. (if relevant)



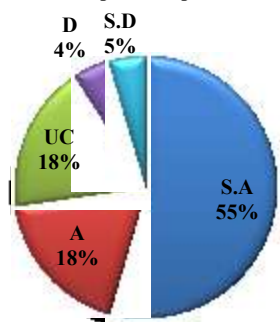
The course stimulated by interest and thought on the subject area.



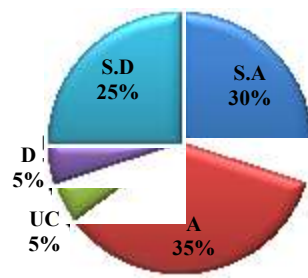
The pace of the course was appropriate



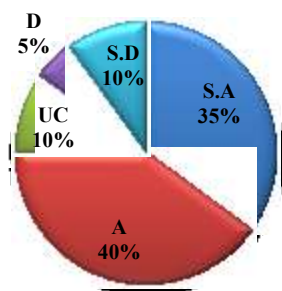
Ideas and concepts were presented clearly



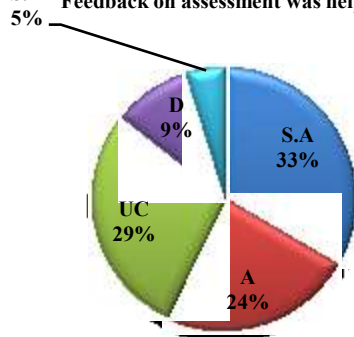
The method of assessment were reasonable



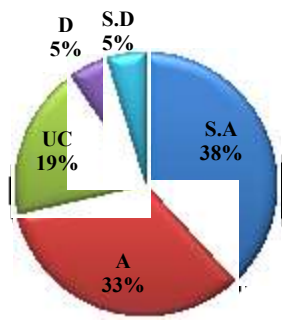
Feedback on assessment was timely



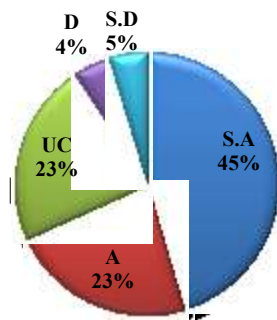
Feedback on assessment was helpful



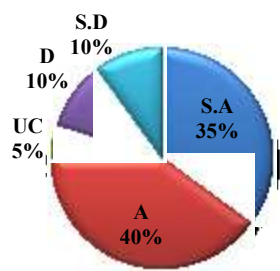
I understood the lectures



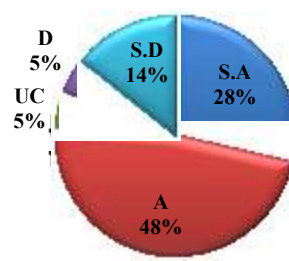
The material was well organized and presented

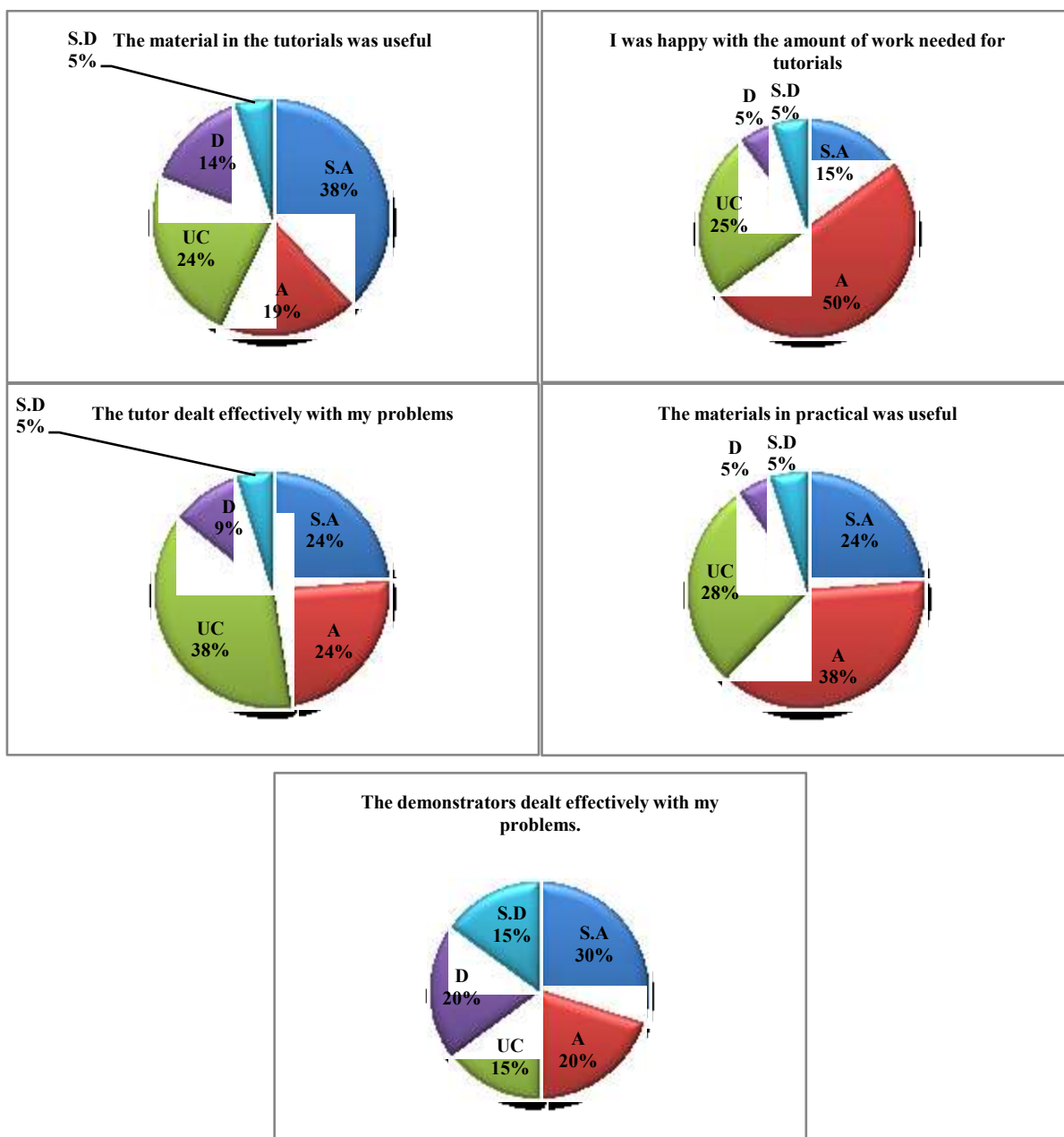


The instructor was responsive to student needs and problems



Had the instructor been regular throughout the course?





General Comments of Students about this course

Strengths:

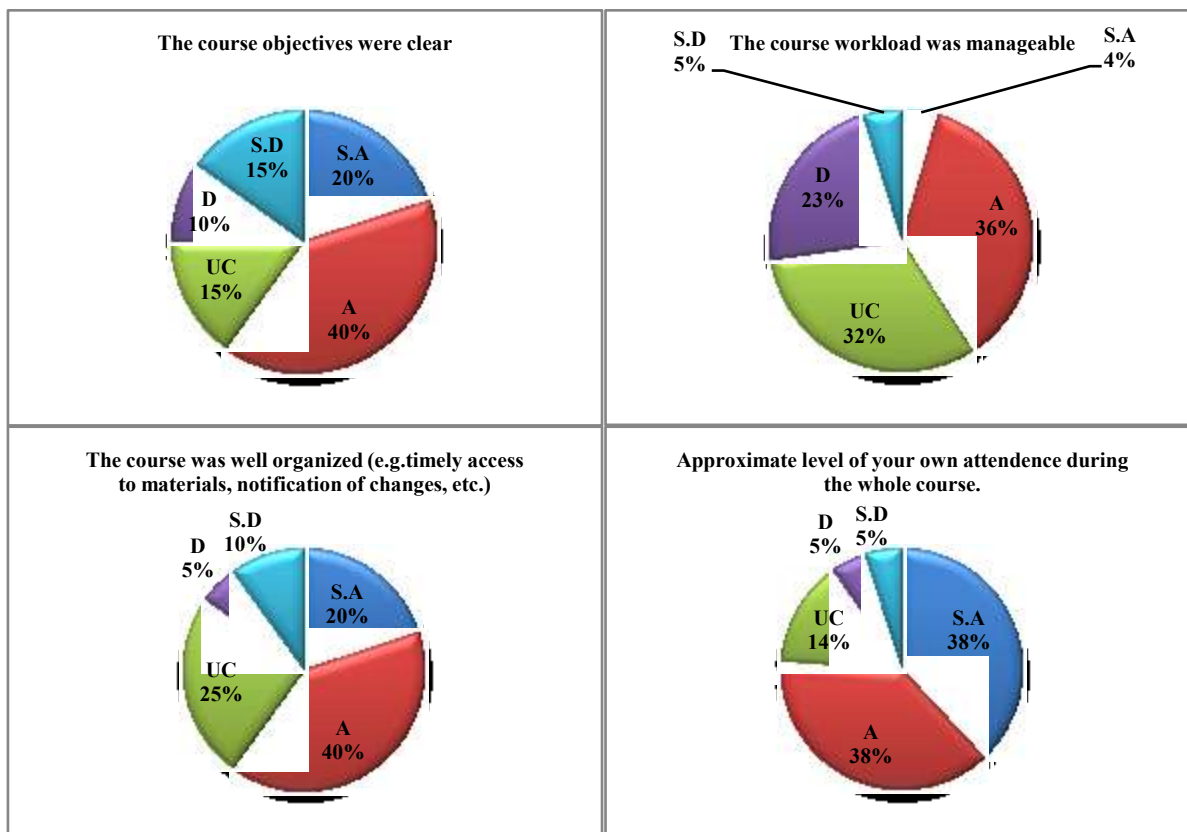
- Explain concept in good way.
- Always available in the office.

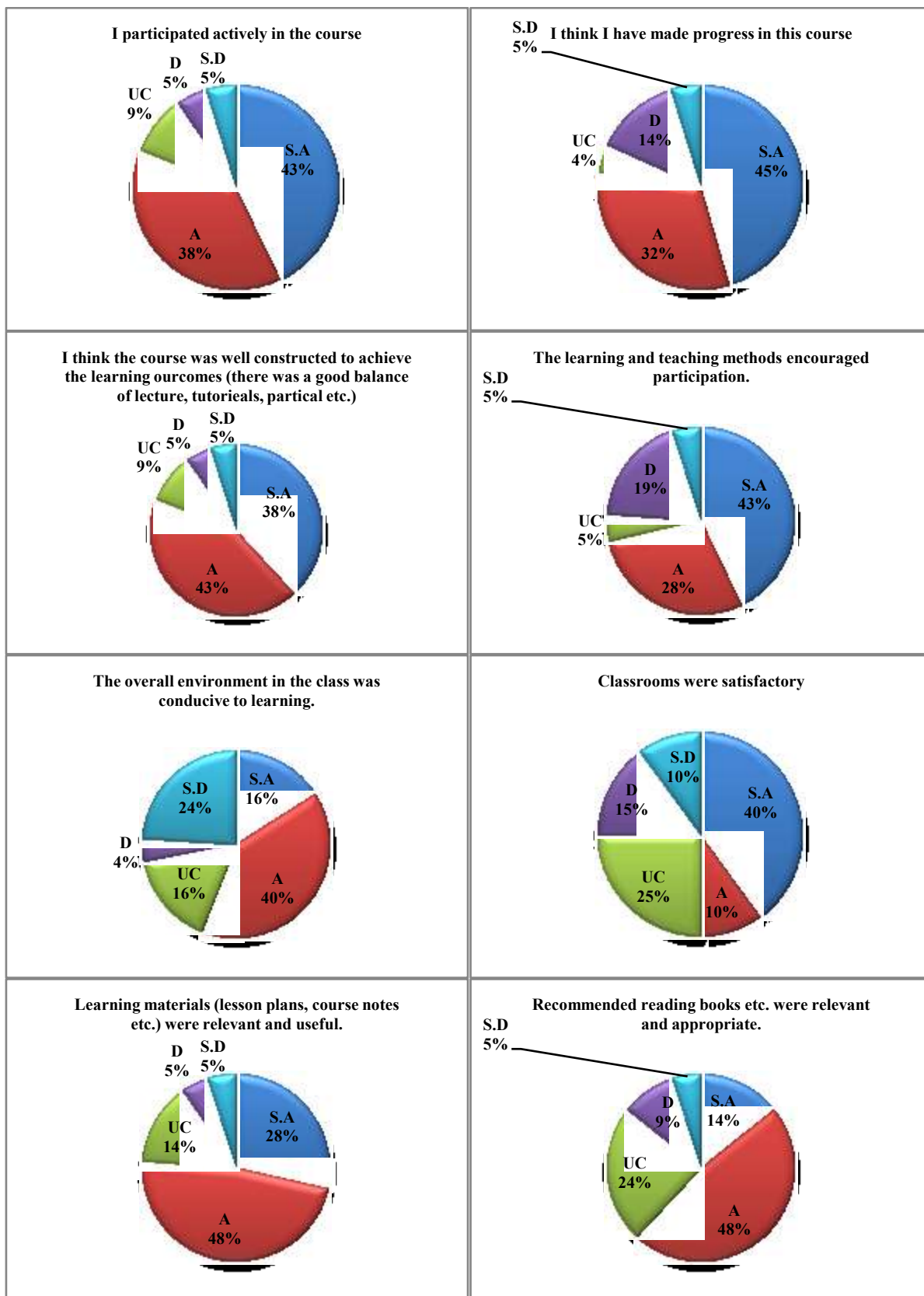
Weaknesses:

- Should explain the problem more.
- Timely feedback required.

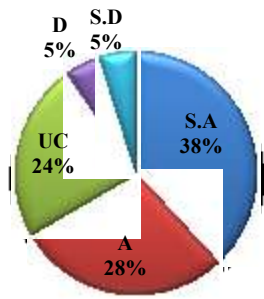
CS-632 (Dr. Nawazish Naveed)

The graph shows the details of the evaluation. The graph ‘‘I think I have made good progress in this course’’ shows that students performed well in this course, 45% strongly agreed, 32% agreed, 4% are uncertain, 14% disagreed and 5% strongly disagree. The teacher always provided timely feedback on assessments as shown in the graph ‘‘Feedback on assessment was timely’’, 33% strongly agreed, 40% agreed, 10% are uncertain, 5% disagreed and 10% strongly disagree. The pace of the course was excellent as shown in the graph ‘‘The pace of the course was appropriate’’, 45% strongly agreed, 36% agreed, 9% are uncertain, 5% disagreed and 5% strongly disagree. Students actively participated in the course. The graph ‘‘I participated actively in the course’’ indicates this, 43% strongly agreed, 38% agreed, 9% are uncertain, 5% disagreed and 5% strongly disagree. The course was well constructed to achieve the learning outcomes which can be seen in the graph ‘‘I think the course was well constructed to achieve learning outcomes (there was a good balance of lecture, tutorials, practical etc.)’’, 38% strongly agreed, 43% agreed, 9% are uncertain, 5% disagreed and 5% strongly disagree.

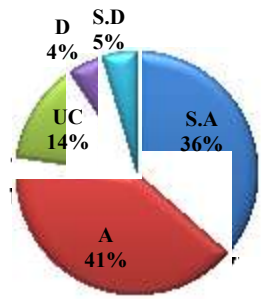




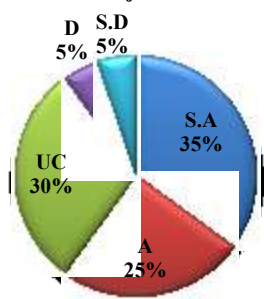
The provision of learning resources in the library was adequate and appropriate.



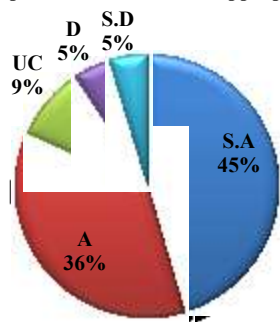
The provision of learning resources on the web was adequate and appropriate. (if relevant)



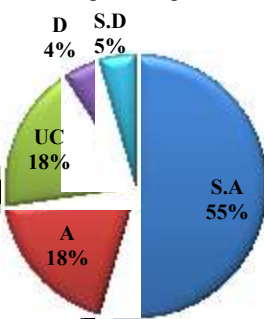
The course stimulated by interest and thought on the subject area.



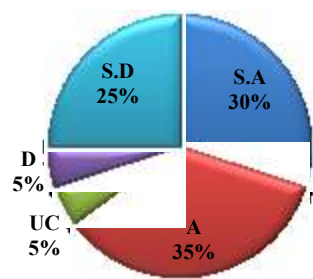
The pace of the course was appropriate



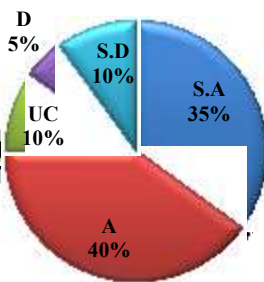
Ideas and concepts were presented clearly



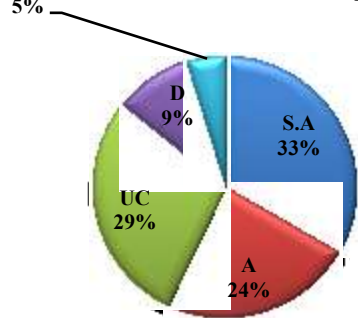
The method of assessment were reasonable

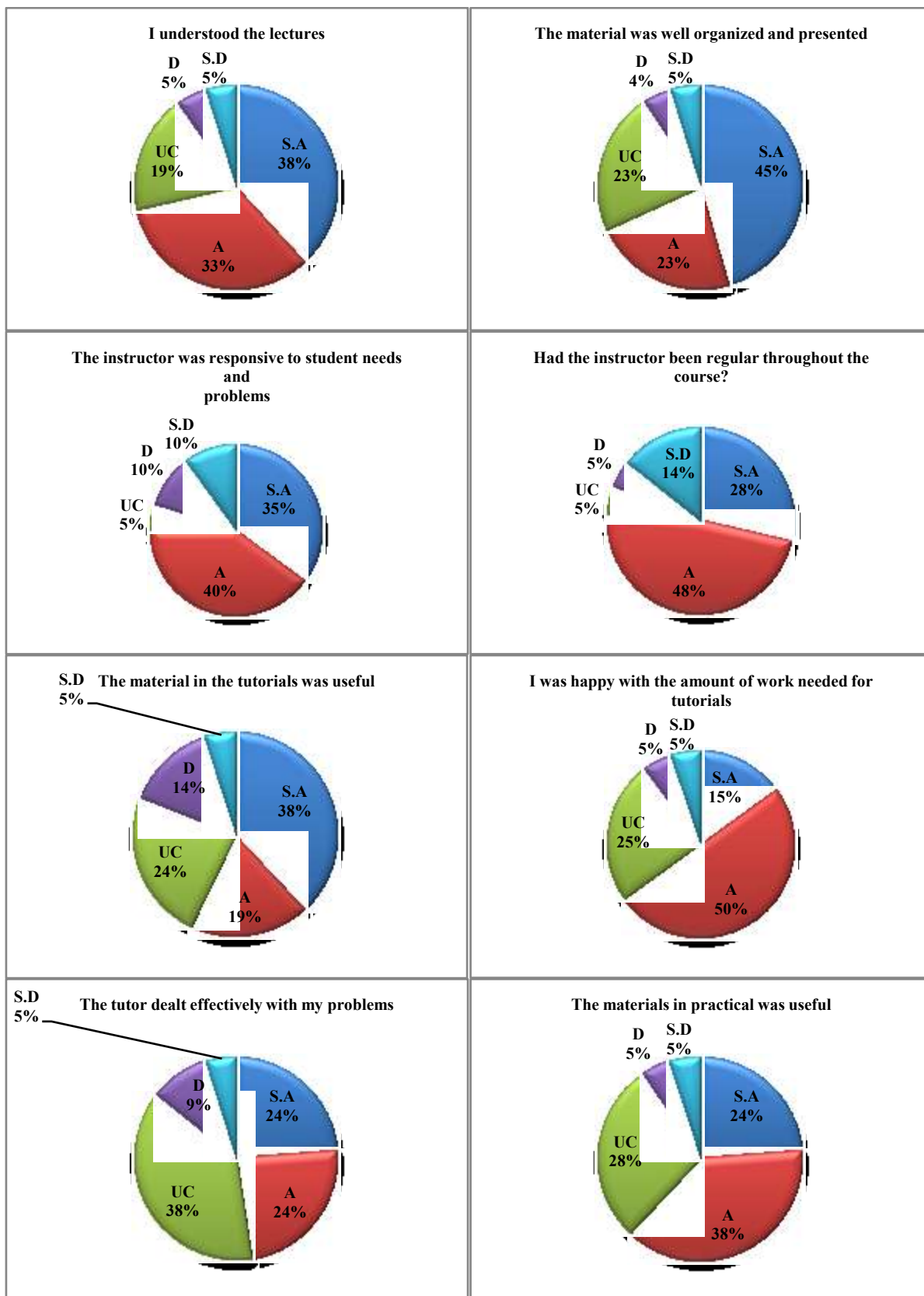


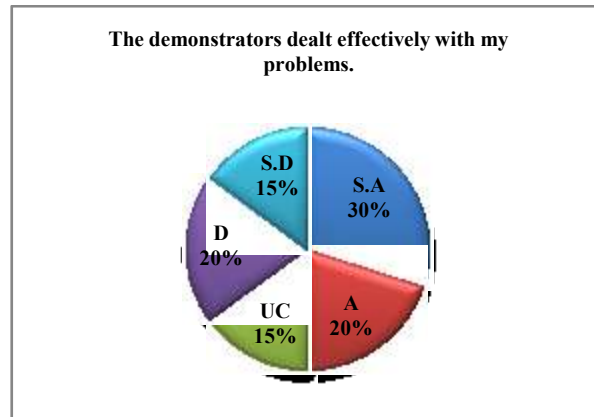
Feedback on assessment was timely



Feedback on assessment was helpful







General Comments of Students about this course

Strengths:

- Explain concept in good way.
- Always available in the office.

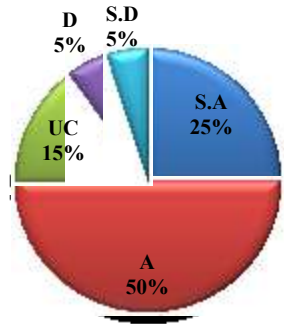
Weaknesses:

- Should explain the problem more.
- Timely feedback required.

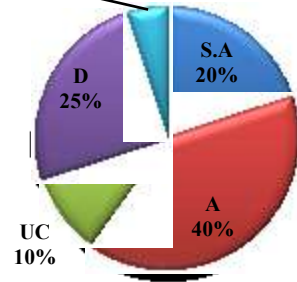
CS-632 (Dr. Nawazish Naveed)

The graph shows the details of the evaluation. The course stimulated interest and thought in the students for this course. The graph “The course stimulated interest and thought on the subject area”, 20% strongly agreed, 60% agreed, 10% are uncertain, 5% disagreed and 5% strongly disagree. The instructor recommended relevant and appropriate reading material for this course. The graph “Recommended reading materials were relevant and appropriate” reflects this, 24% strongly agreed, 51% agreed, 9% are uncertain, 5% disagreed and 5% strongly disagree. Teaching methodology encouraged student participation in this course. This can be seen from the graph, “The learning and teaching methods encouraged participation”, 21% strongly agreed, 53% agreed, 16% are uncertain, 5% disagreed and 5% strongly disagree. There were enough library resources available for this course. This is shown in the graph “The provision of learning resources in the library were adequate and appropriate”, 33% strongly agreed, 38% agreed, 10% are uncertain, 5% disagreed and 15% strongly disagree.

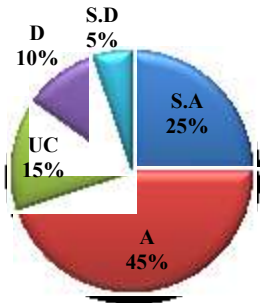
The course objectives were clear



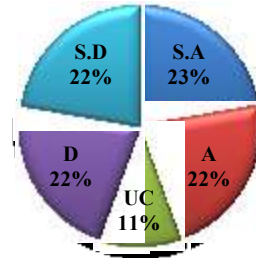
S.D The course workload was manageable
5%



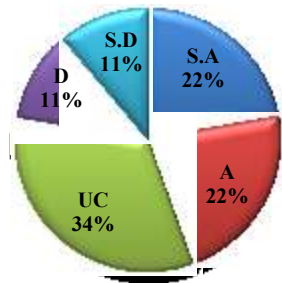
The course was well organized (e.g.timely access to materials, notification of changes, etc.)



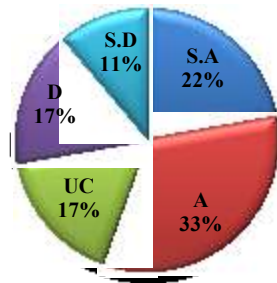
Approximate level of your own attendance during the whole course.



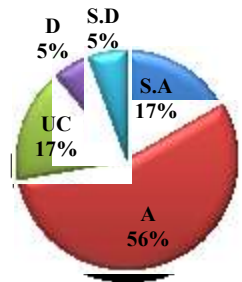
I participated actively in the course



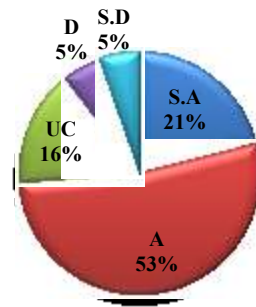
I think I have made progress in this course

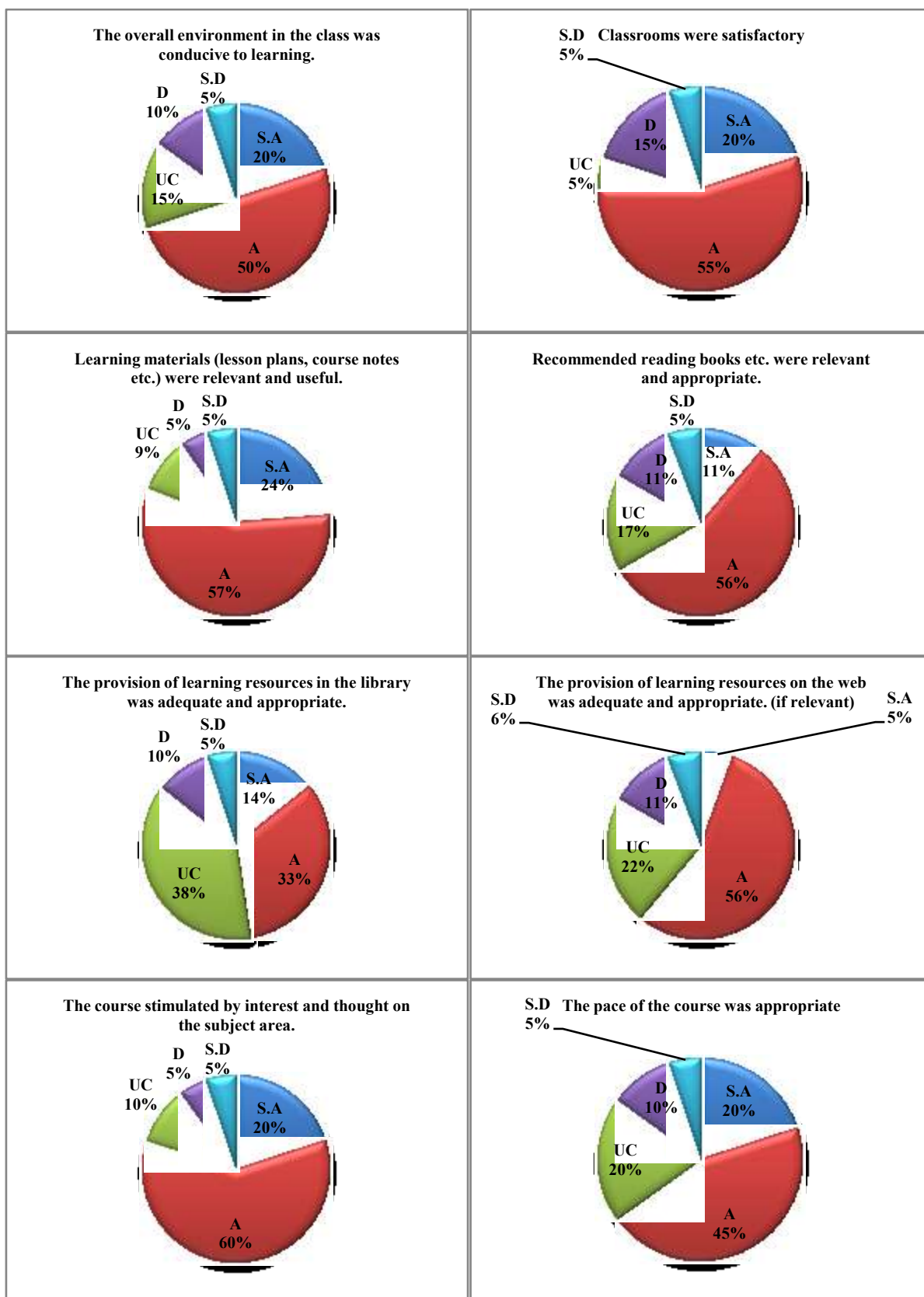


I think the course was well constructed to achieve the learning ourcomes (there was a good balance of lecture, tutorials, partical etc.)

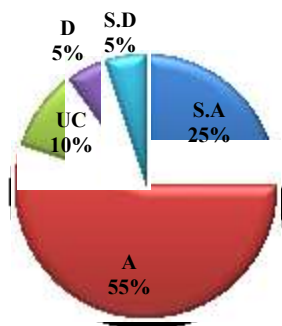


The learning and teaching methods encouraged participation.

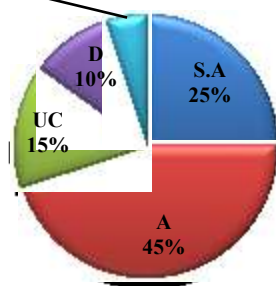




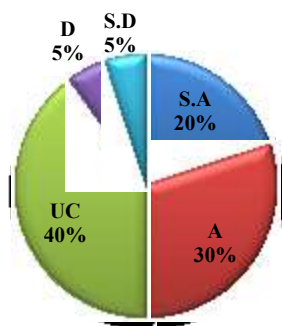
Ideas and concepts were presented clearly



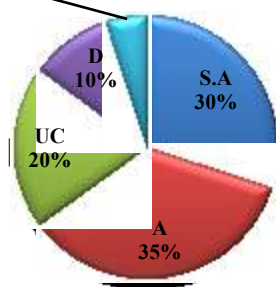
S.D The method of assessment were reasonable
5%



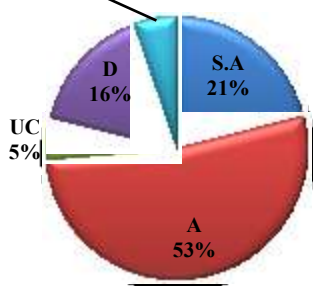
Feedback on assessment was timely



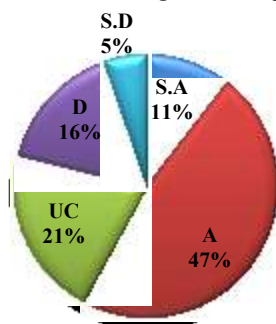
S.D Feedback on assessment was helpful
5%



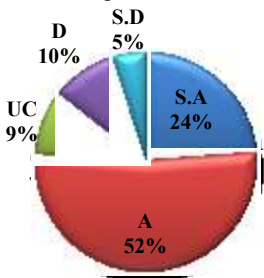
S.D I understood the lectures
5%



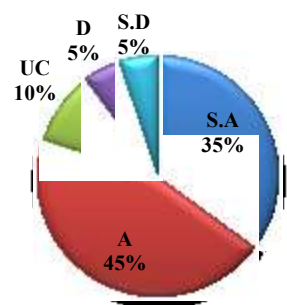
The material was well organized and presented

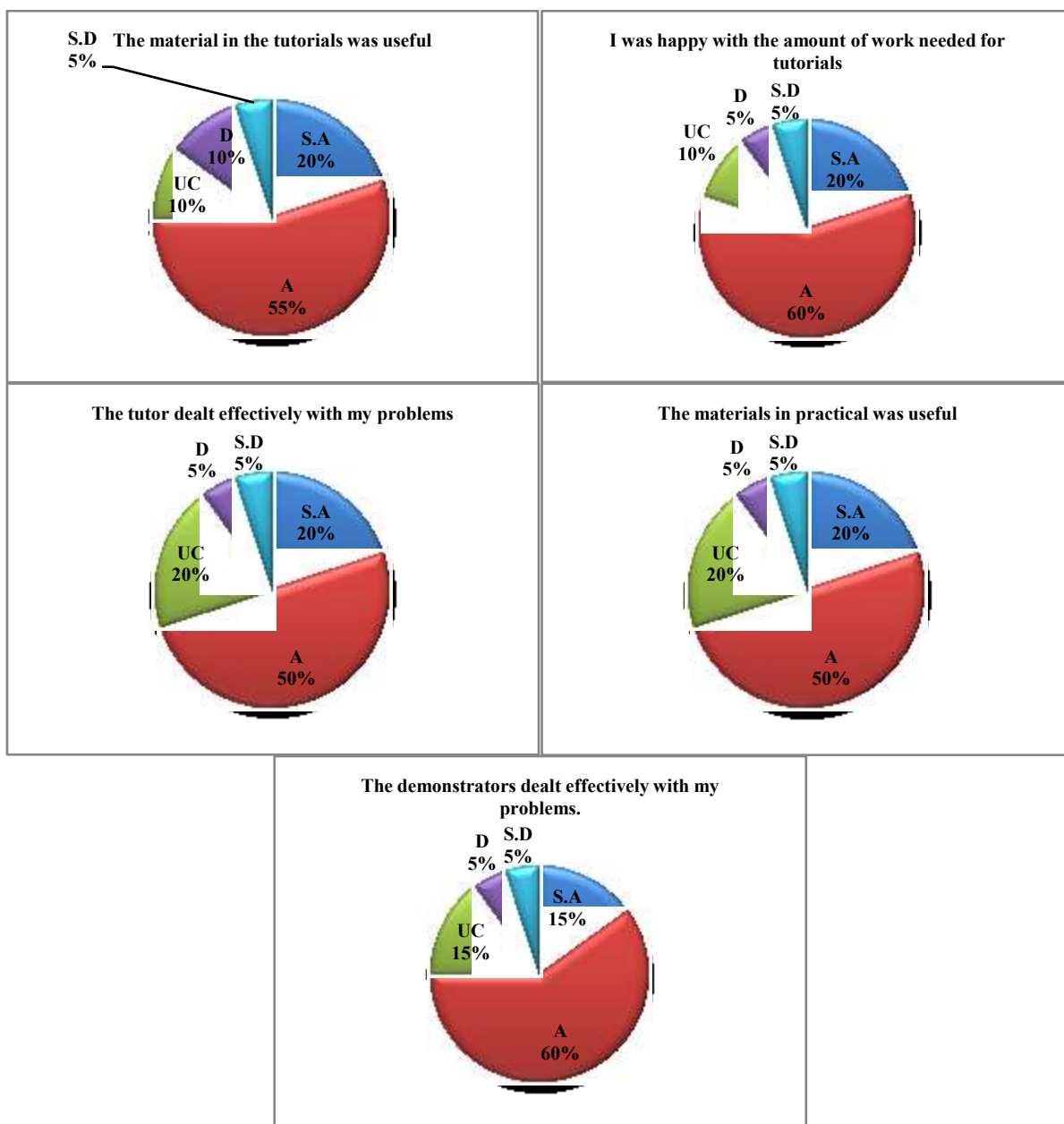


The instructor was responsive to student needs
and
problems



Had the instructor been regular throughout the
course?





General Comments of Students about this course

Strengths:

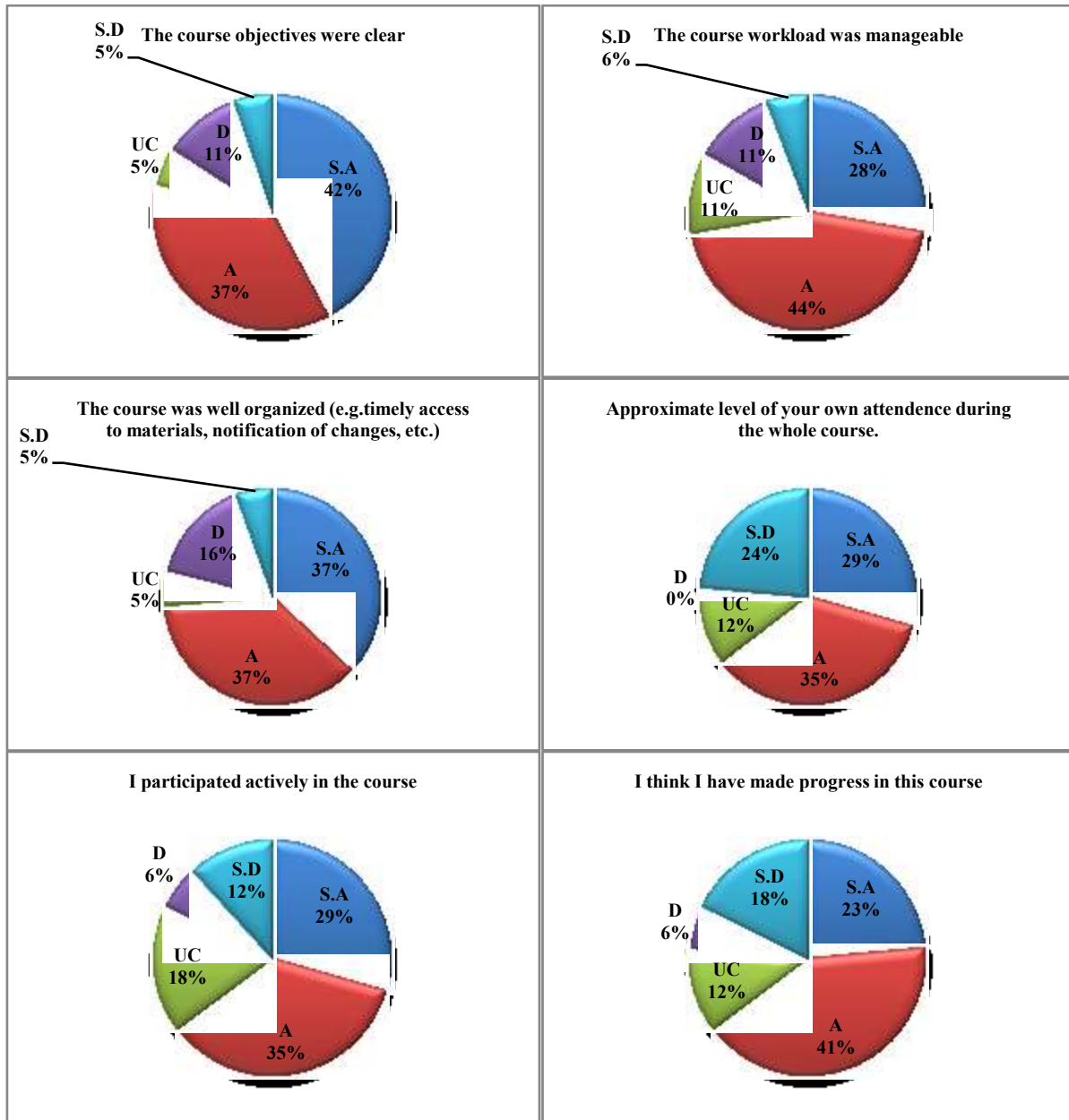
- Well prepared objectives
- Timely feedback on the assessment.

Weaknesses:

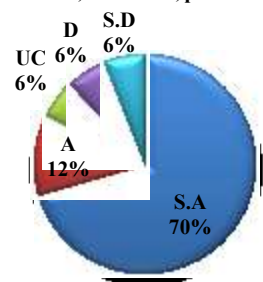
- Reduce course outline

CS-400 (Dr. Muhammad Shaheen)

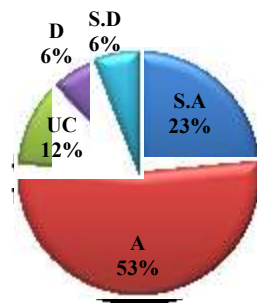
The graph shows the details of the evaluation. The instructor recommended relevant and appropriate reading books this course. The graph “Recommended reading books etc. where relevant and appropriate” reflects this, 35% strongly agreed, 47% agreed, 6% are uncertain, 6% disagreed and 6% strongly disagree. The pace of the course was excellent as shown in the graph “The pace of the course was appropriate”, 28% strongly agreed, 44% agreed, 11% are uncertain, 11% disagreed and 6% strongly disagree. The course was well constructed to achieve the learning outcomes which can be seen in the graph “I think the course was well constructed to achieve learning outcomes (there was a good balance of lecture, tutorials, practical etc.)”, 70% strongly agreed, 12% agreed, 6% are uncertain, 6% disagreed and 6% strongly disagree. The course stimulated interest and thought in the students for this course. The graph “The course stimulated interest and thought on the subject area”, 37% strongly agreed, 48% agreed, 5% are uncertain, 5% disagreed and 5% strongly disagree.



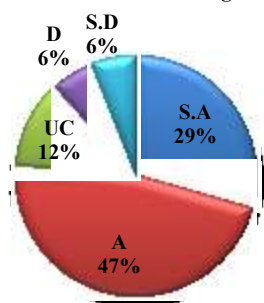
I think the course was well constructed to achieve the learning outcomes (there was a good balance of lecture, tutorials, practical etc.)



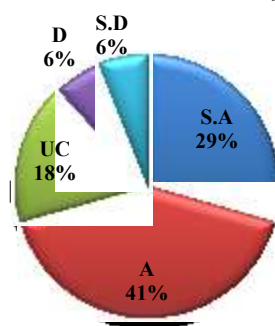
The learning and teaching methods encouraged participation.



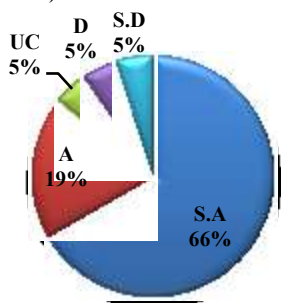
The overall environment in the class was conducive to learning.



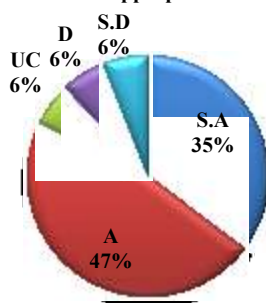
Classrooms were satisfactory



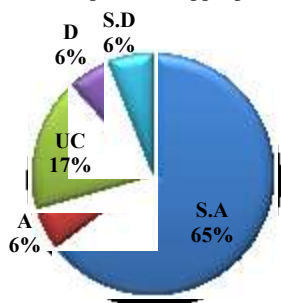
Learning materials (lesson plans, course notes etc.) were relevant and useful.



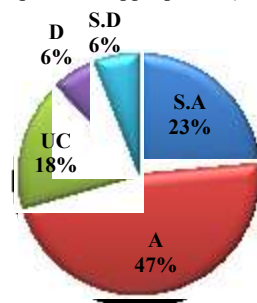
Recommended reading books etc. were relevant and appropriate.



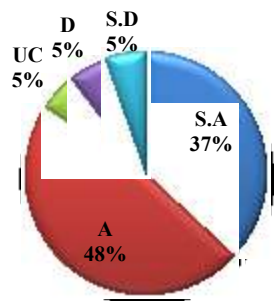
The provision of learning resources in the library was adequate and appropriate.



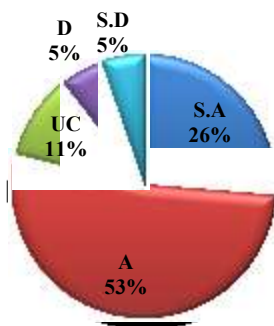
The provision of learning resources on the web was adequate and appropriate. (if relevant)



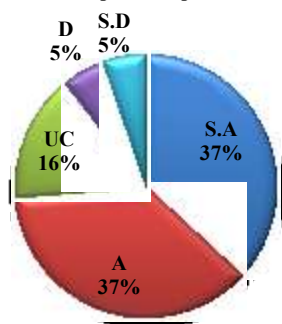
The course stimulated by interest and thought on the subject area.



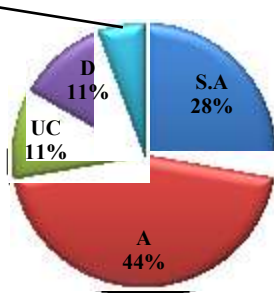
The pace of the course was appropriate



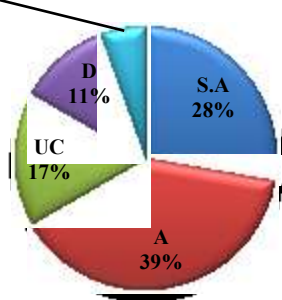
Ideas and concepts were presented clearly



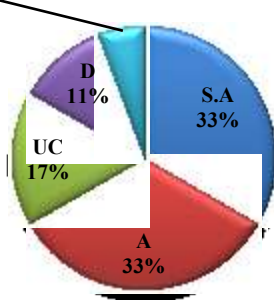
The method of assessment were reasonable



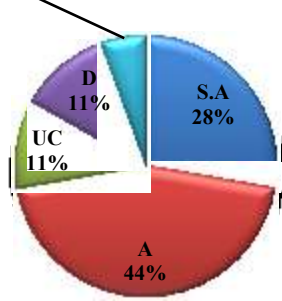
Feedback on assessment was timely



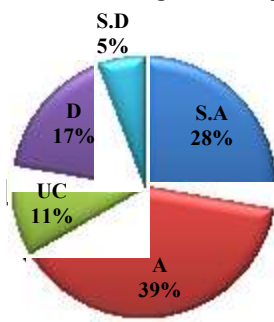
Feedback on assessment was helpful

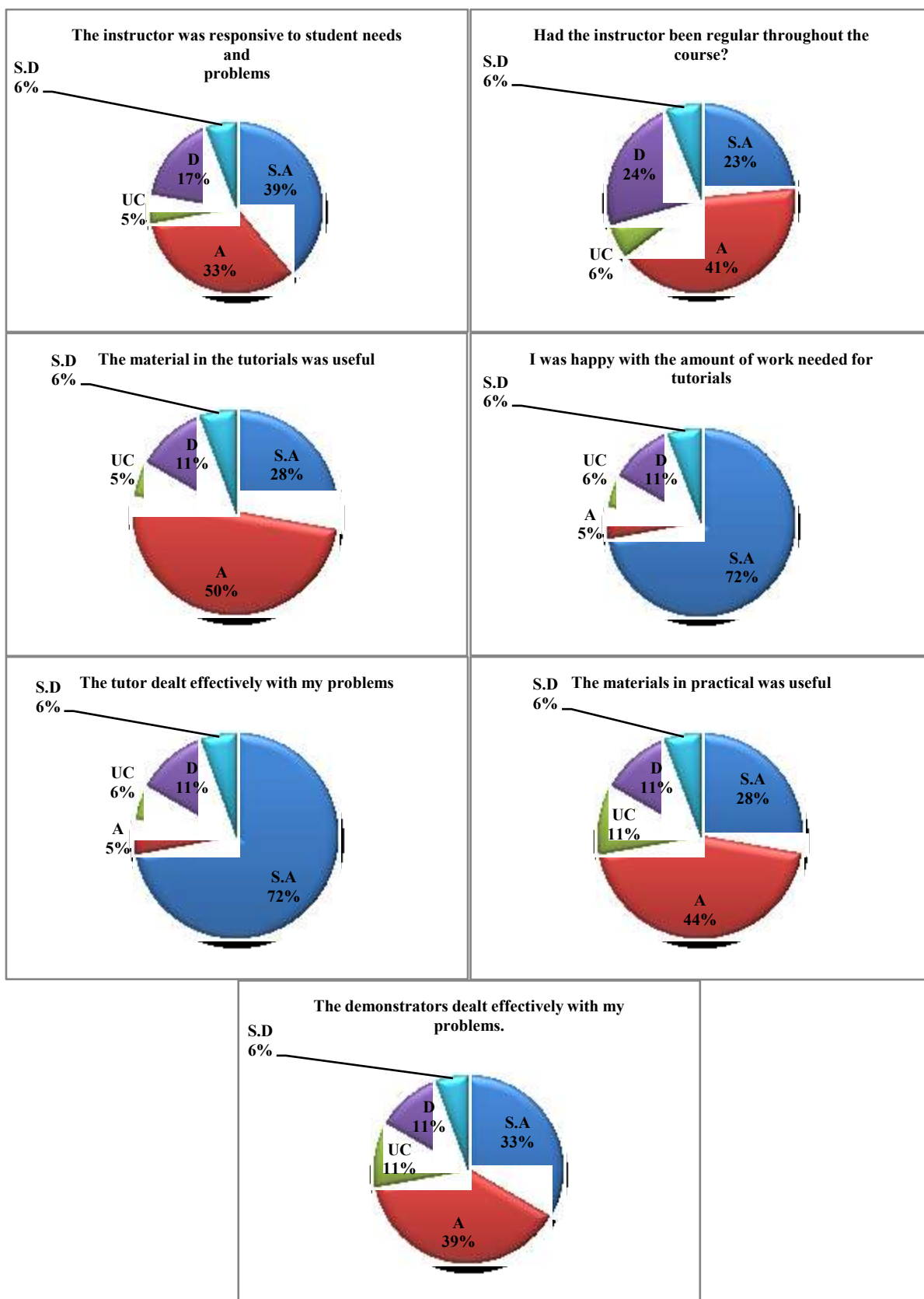


I understood the lectures



The material was well organized and presented





General Comments of Students about this course

Strengths:

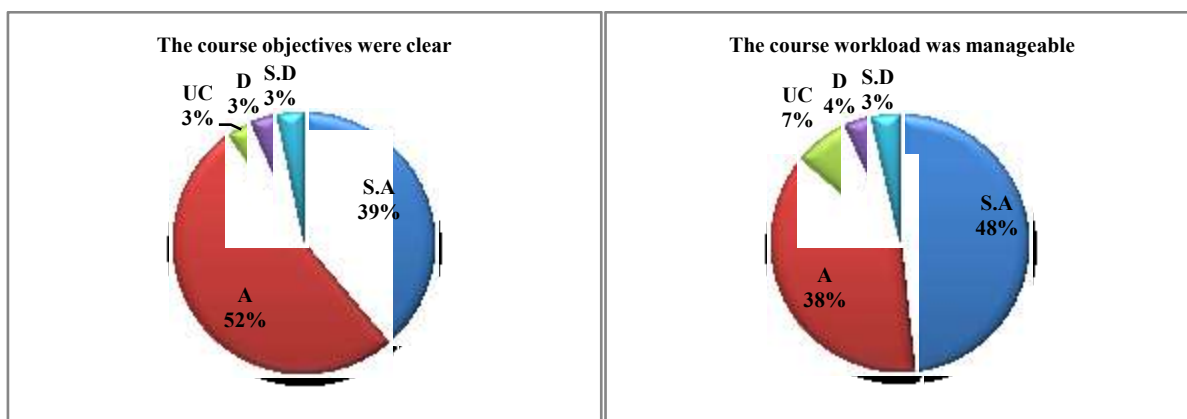
- Always well prepared for class
- Concepts are explained very well.

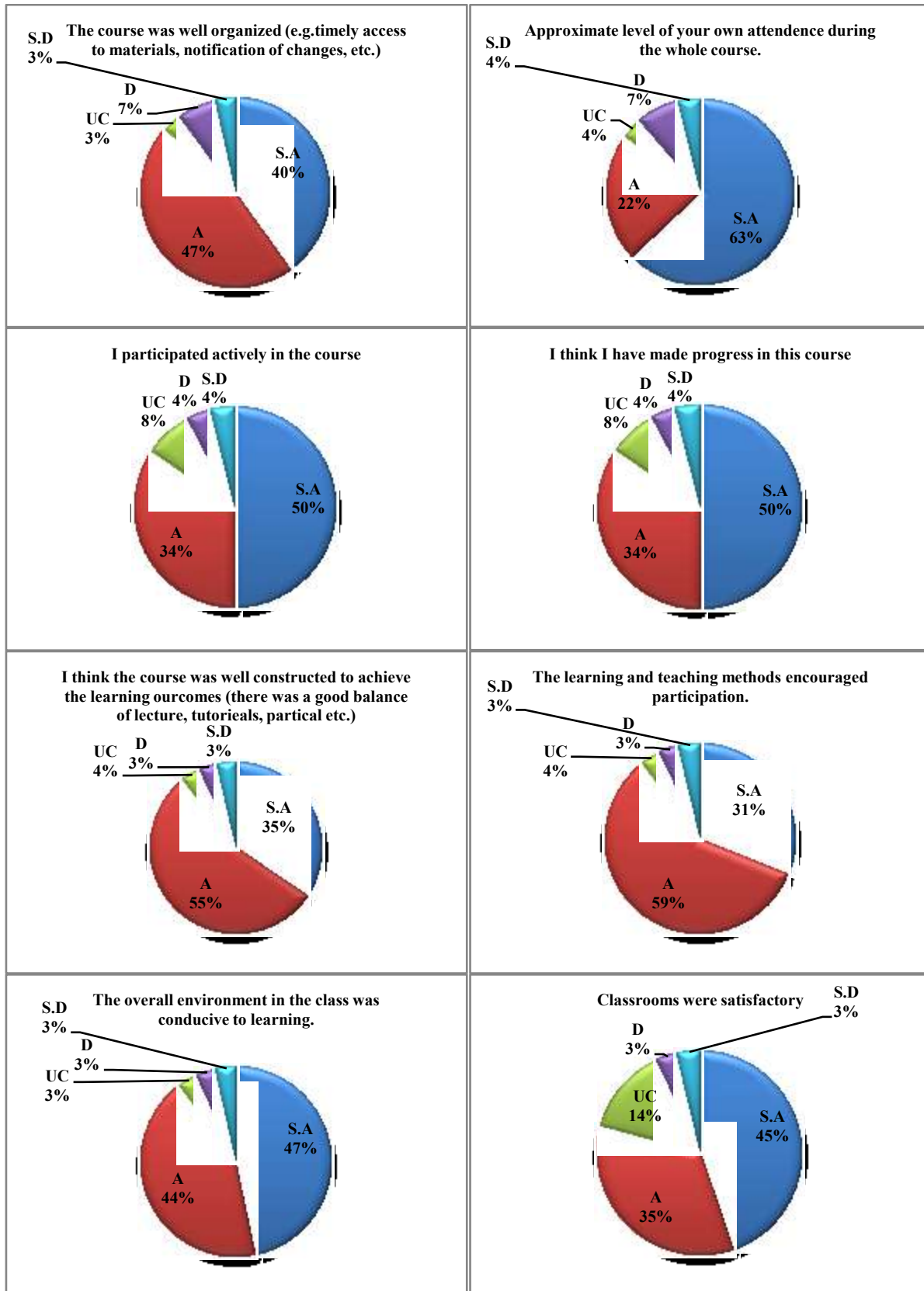
Weaknesses:

- More workload

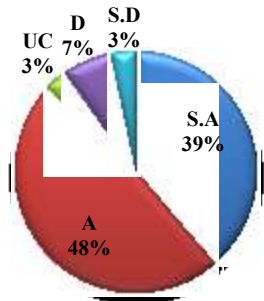
CS-582 (Dr. Muhammad Shaheen)

The graph shows the details of the evaluation. The graph “The course objective were clear” indicates this. (39% strongly agreed, 52% agreed, 3% are uncertain, 3% disagreed and 3% strongly disagree). The instructor also provides additional study material apart from the text to students. The graph “The course workload was manageable “ reflects this. (48% strongly agreed, 38% agreed, 7% are uncertain, 4% disagreed and 3% strongly disagree). This can be seen in the graph “The course is well organized.” (40% strongly agreed, 47% agreed, 6% are uncertain, 3% disagree and 3% strongly disagree). The instructor is always available for after class constants as shown in the graph “The instructor have made progress in this course” 50% strongly agreed, 34% agreed, 8% are uncertain, 3% disagreed and 4% strongly disagree). “The instructor shows respect towards students and encourages class participation”. (31% strongly agreed, 50% agreed, 4% are uncertain, 3% disagreed and 3% strongly disagree). “ The pace of the course was appropriate “. (39% strongly agreed, 42% agreed, 7% are uncertain, 6% disagreed and 6% strongly disagree).” There had the instructions been regular throughout the course “. (48% strongly agreed, 39% agreed, 3% are uncertain, 7% disagreed and 3% strongly disagree).

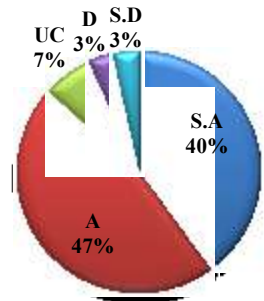




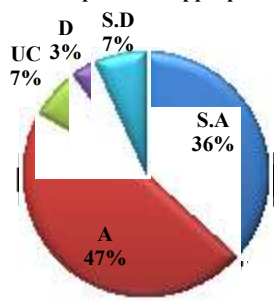
Learning materials (lesson plans, course notes etc.) were relevant and useful.



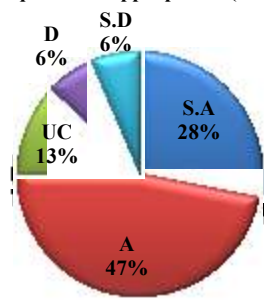
Recommended reading books etc. were relevant and appropriate.



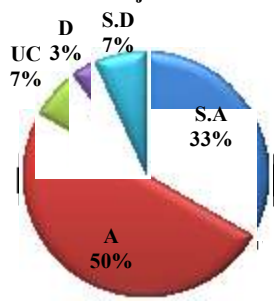
The provision of learning resources in the library was adequate and appropriate.



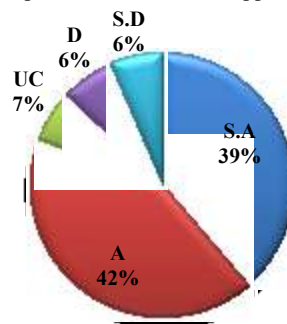
The provision of learning resources on the web was adequate and appropriate. (if relevant)



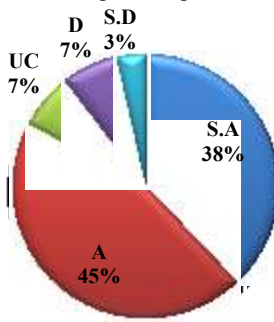
The course stimulated by interest and thought on the subject area.



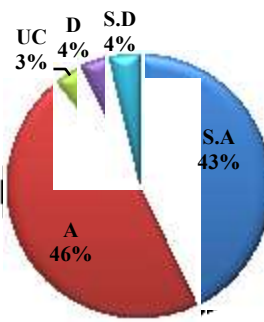
The pace of the course was appropriate

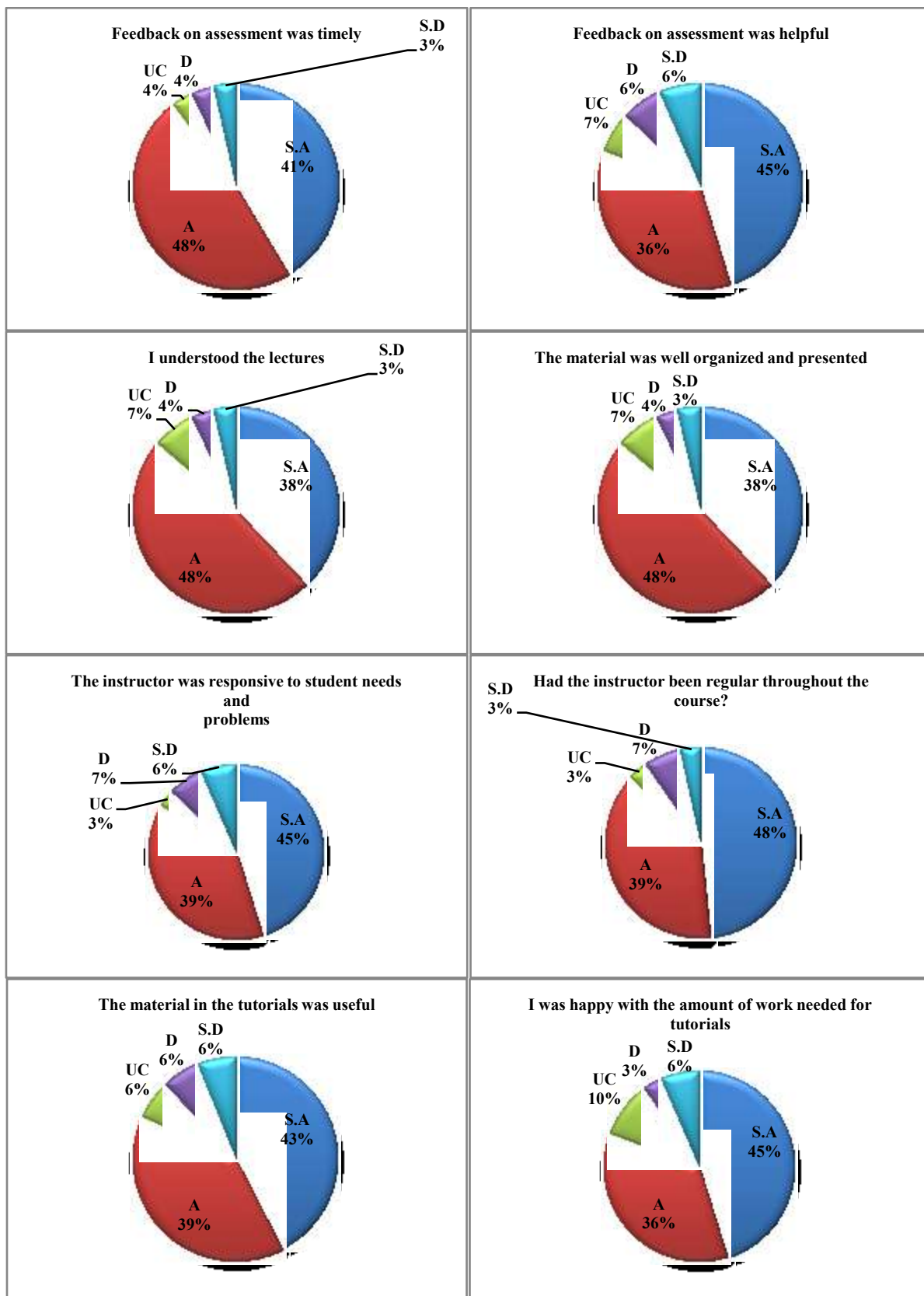


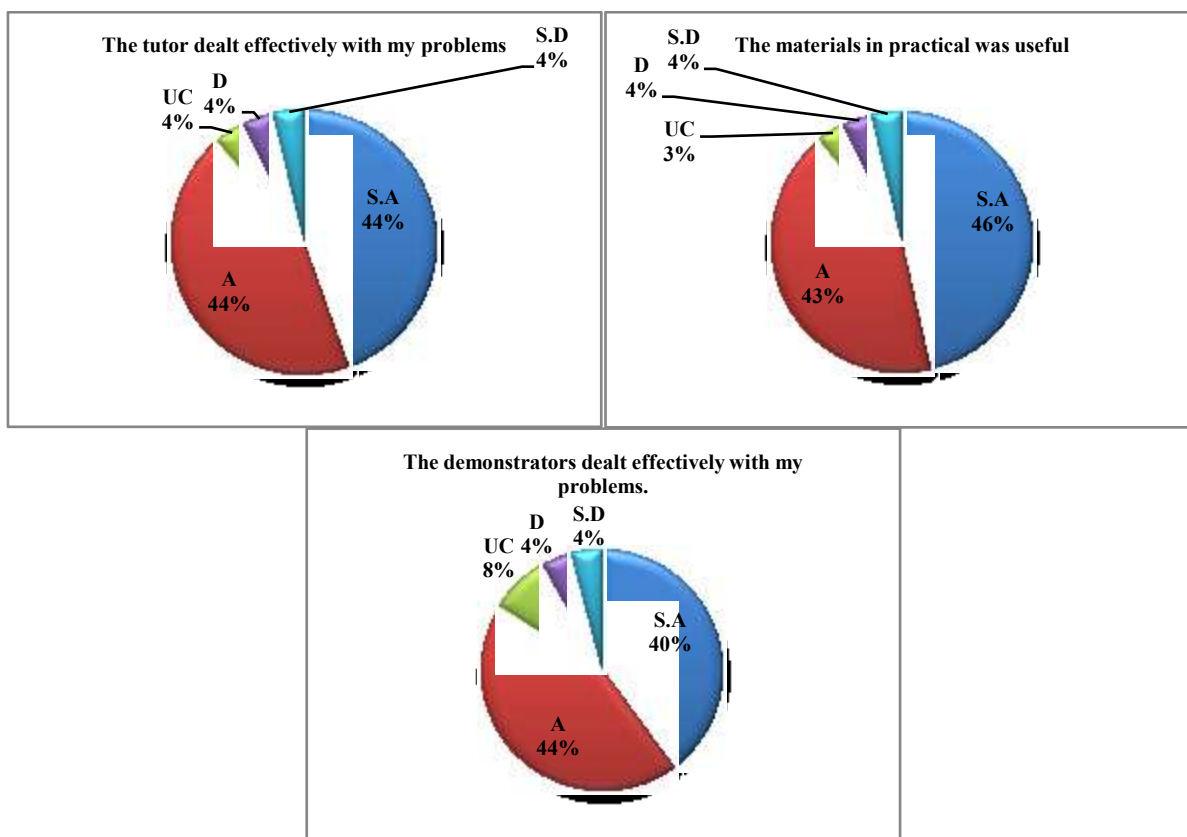
Ideas and concepts were presented clearly



The method of assessment were reasonable







General Comments of Students about this course:

Strengths :

- Understanding of the course
- Good communication with students
- Well organized material

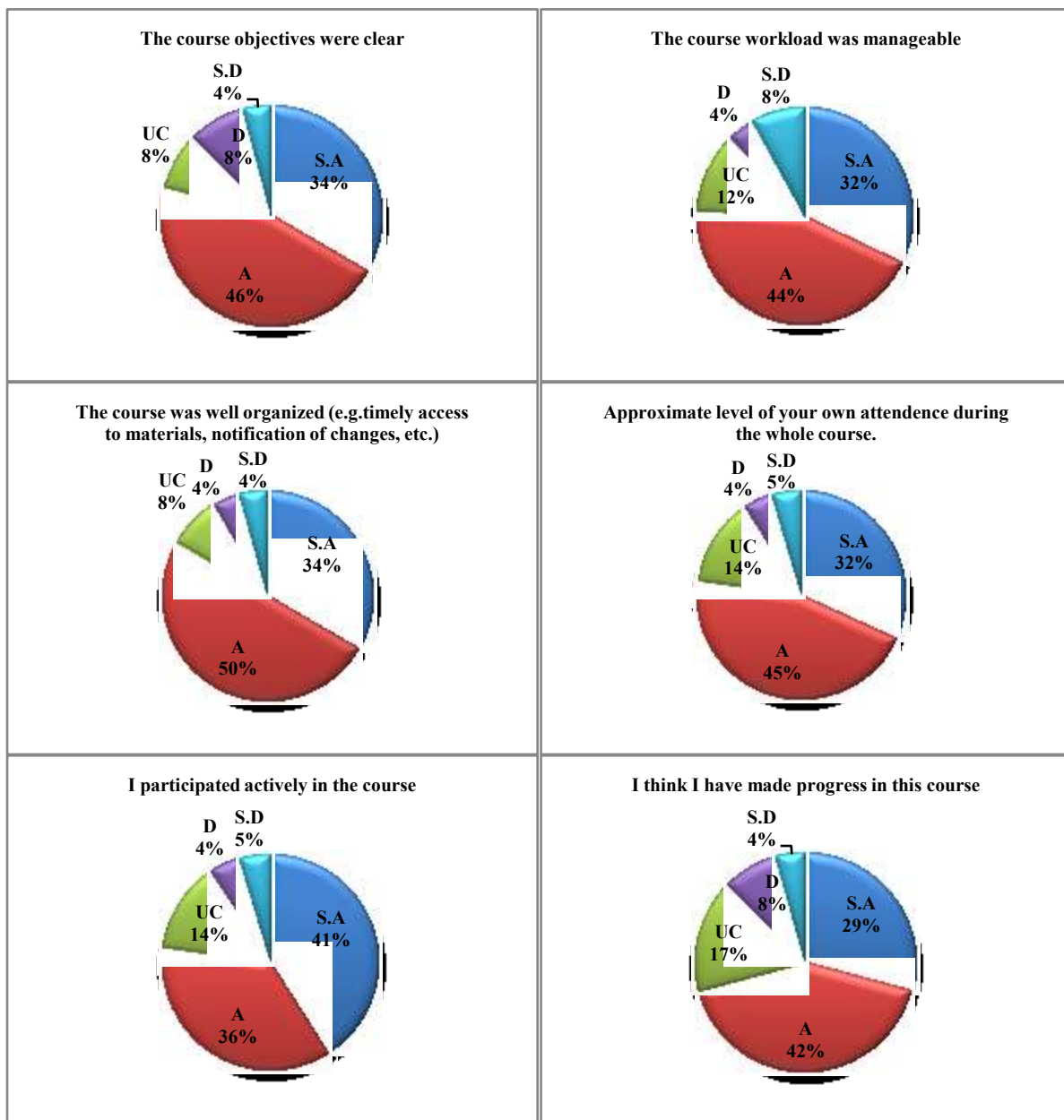
Weaknesses:

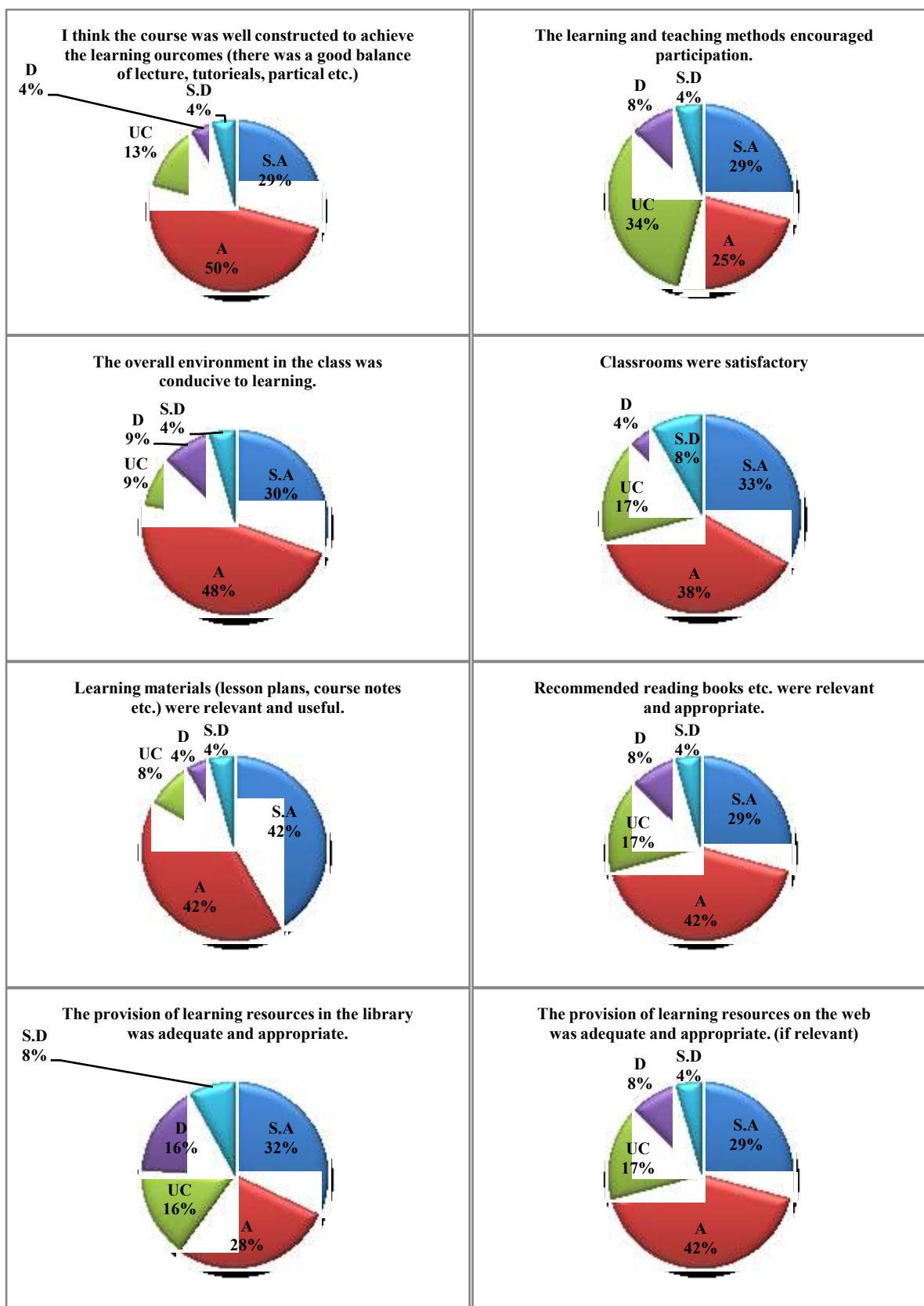
- Extra Course Load

CS-552 (Mr. Yasir Hafeez)

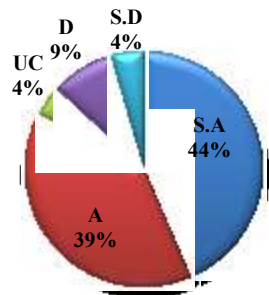
The graph shows the details of the evaluation. The graph “The course objective were clear” indicates this. (34% strongly agreed, 46% agreed, 8% are uncertain, 8% disagreed and 4% strongly disagree). The instructor also provides additional study material apart from the text to students. The graph “The course workload was manageable “ reflects this. (32% strongly agreed, 44% agreed, 12% are uncertain, 4% disagreed and 8% strongly disagree). This can be seen in

the graph “The course is well organized”. (34% strongly agreed, 50% agreed, 8% are uncertain, 4% disagree and 4% strongly disagree). “The material in the tutorial was useful” 28% strongly agree 44% agreed, 12% are uncertain, 8% disagreed and 8% strongly disagree). “The feedback on assessment was timely. (27% strongly agreed, 36% agreed, 23% are uncertain, 9% disagreed and 5% strongly disagree). “ The pace of the course was appropriate “. (26% strongly agreed, 48% agreed, 7% are uncertain, 6% disagreed and 6% strongly disagree).” The instructor had made progress in this course “. (29% strongly agreed, 42% agreed, 17% are uncertain, 8% disagreed and 4% strongly disagree).

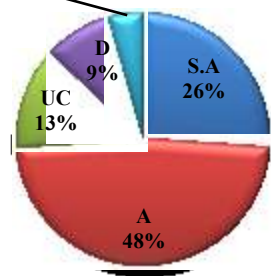




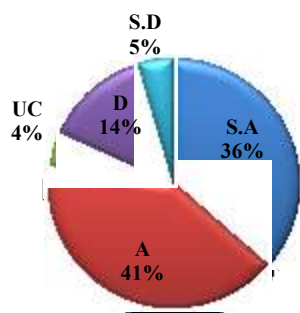
The course stimulated by interest and thought on the subject area.



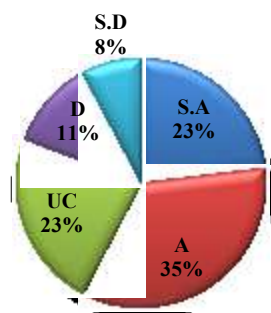
S.D The pace of the course was appropriate
4%



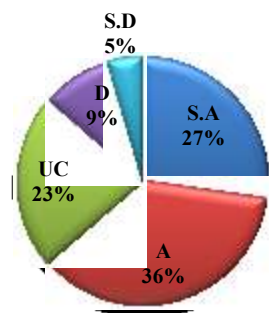
Ideas and concepts were presented clearly



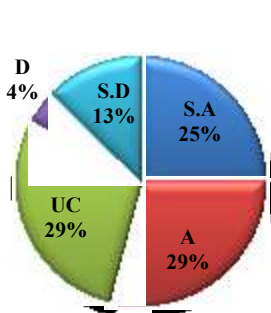
The method of assessment were reasonable



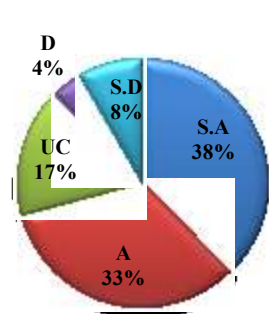
Feedback on assessment was timely



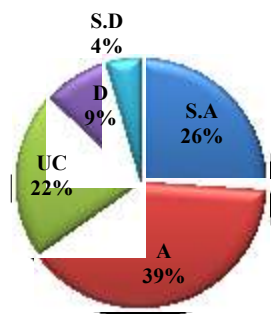
Feedback on assessment was helpful



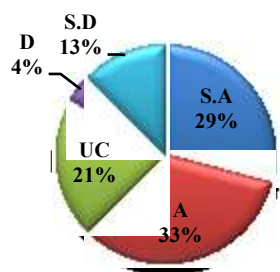
I understood the lectures



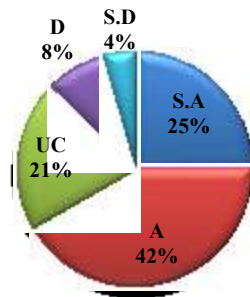
The material was well organized and presented



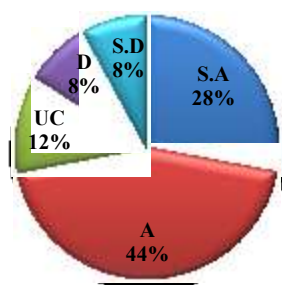
The instructor was responsive to student needs and problems



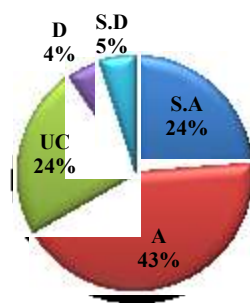
Had the instructor been regular throughout the course?



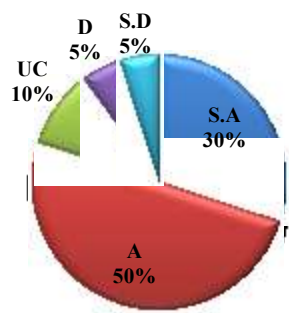
The material in the tutorials was useful



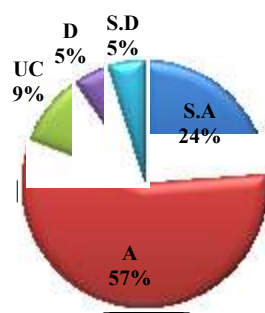
I was happy with the amount of work needed for tutorials



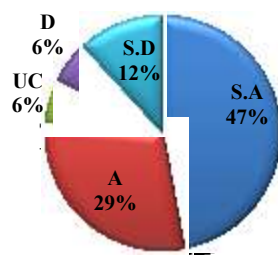
The tutor dealt effectively with my problems



The materials in practical was useful



The demonstrators dealt effectively with my problems.



General Comments of Students about this course

Strengths:

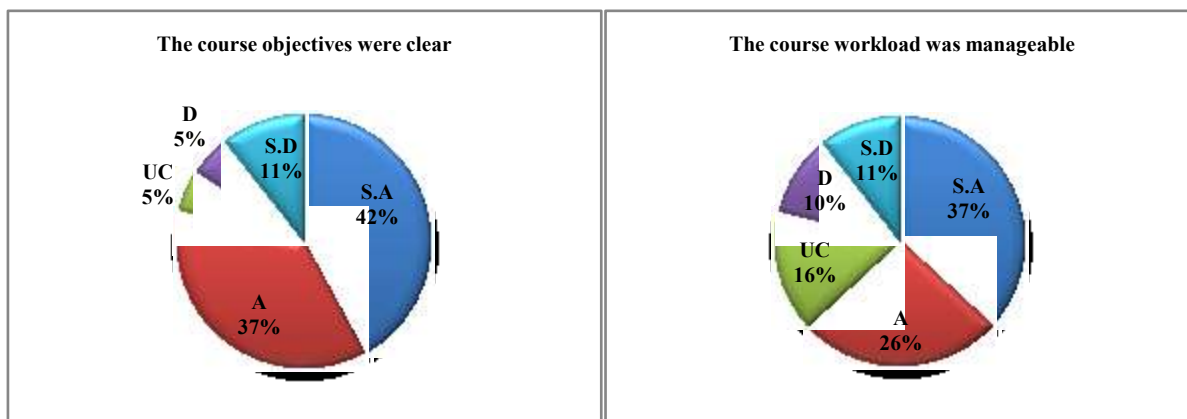
- Good teaching method
- Practical material was helpful

Weakness:

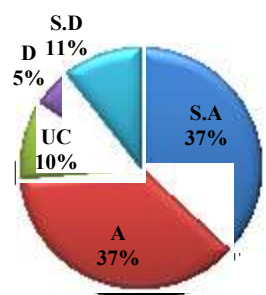
- Objectives should be clear.
- Inadequate library resources for this course
- In time feedback required.

CS-575 (Mr. Sheeraz Akram)

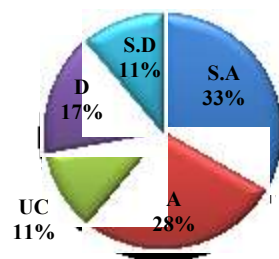
The graph shows the details of the evaluation. The graph “The course objective were clear” indicates this. (33% strongly agreed, 52% agreed, 4% are uncertain, 4% disagreed and 7% strongly disagree). The instructor also provides additional study material apart from the text to students. The graph “The course workload was manageable “ reflects this. (39% strongly agreed, 39% agreed, 9% are uncertain, 9% disagreed and 4% strongly disagree). This can be seen in the graph “The course is well organized”. (31% strongly agreed, 50% agreed, 7% are uncertain, 4% disagree and 8% strongly disagree). “The material in the tutorial was useful” 28% strongly agree 44% agreed, 16% are uncertain, 9% disagreed and 3% strongly disagree). “The feedback on assessment was timely. (37% strongly agreed, 32% agreed, 16% are uncertain, 10% disagreed and 5% strongly disagree). “ The pace of the course was appropriate “. (31% strongly agreed, 41% agreed, 17% are uncertain, 7% disagreed and 4% strongly disagree).” The instructor had made progress in this course “. (36% strongly agreed, 27% agreed, 23% are uncertain, 5% disagreed and 9% strongly disagree).



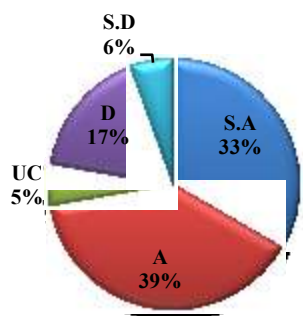
The course was well organized (e.g.timely access to materials, notification of changes, etc.)



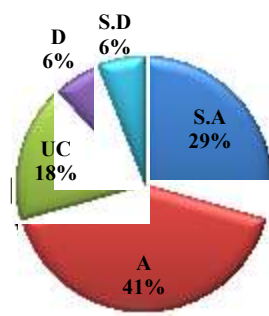
Approximate level of your own attendance during the whole course.



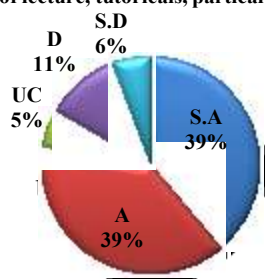
I participated actively in the course



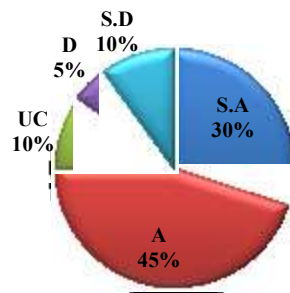
I think I have made progress in this course



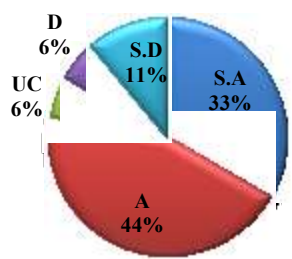
I think the course was well constructed to achieve the learning outcomes (there was a good balance of lecture, tutorials, practical etc.)



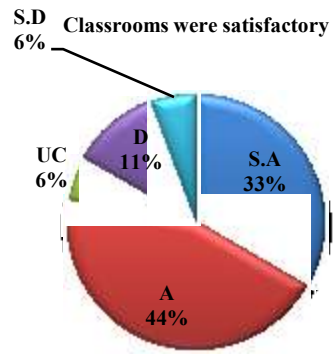
The learning and teaching methods encouraged participation.

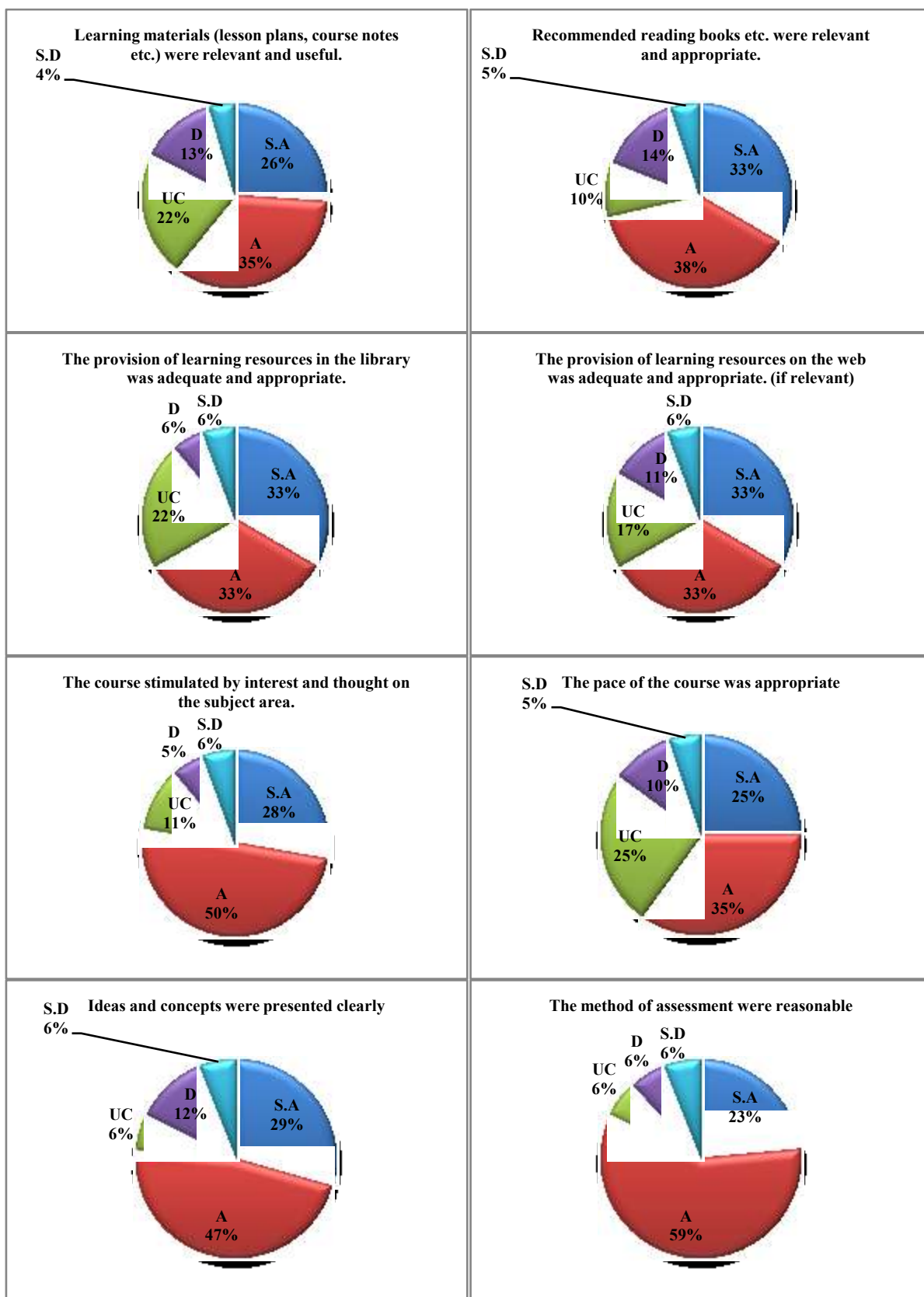


The overall environment in the class was conducive to learning.

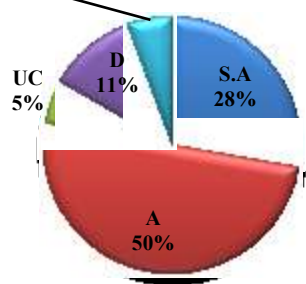


Classrooms were satisfactory

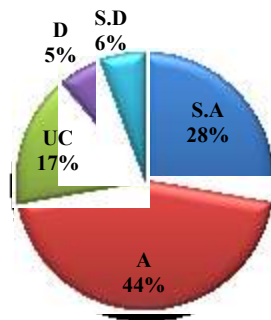




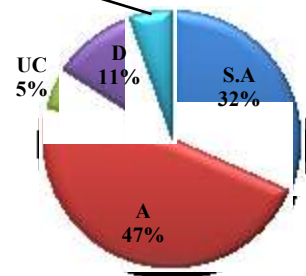
S.D Feedback on assessment was timely
6%



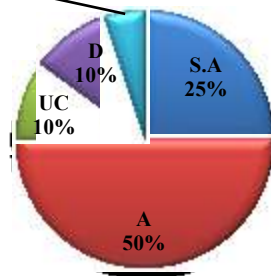
Feedback on assessment was helpful



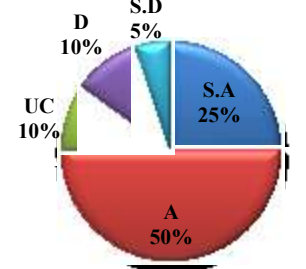
S.D I understood the lectures
5%



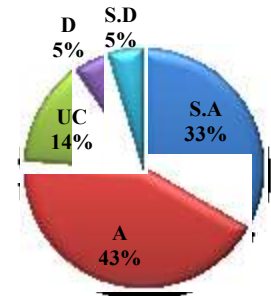
S.D The material was well organized and presented
5%



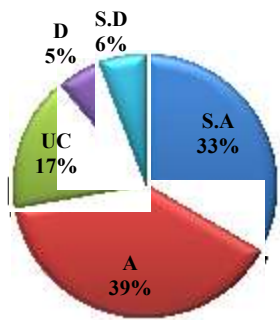
The instructor was responsive to student needs and problems



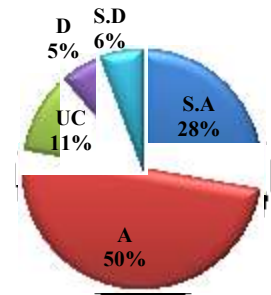
Had the instructor been regular throughout the course?

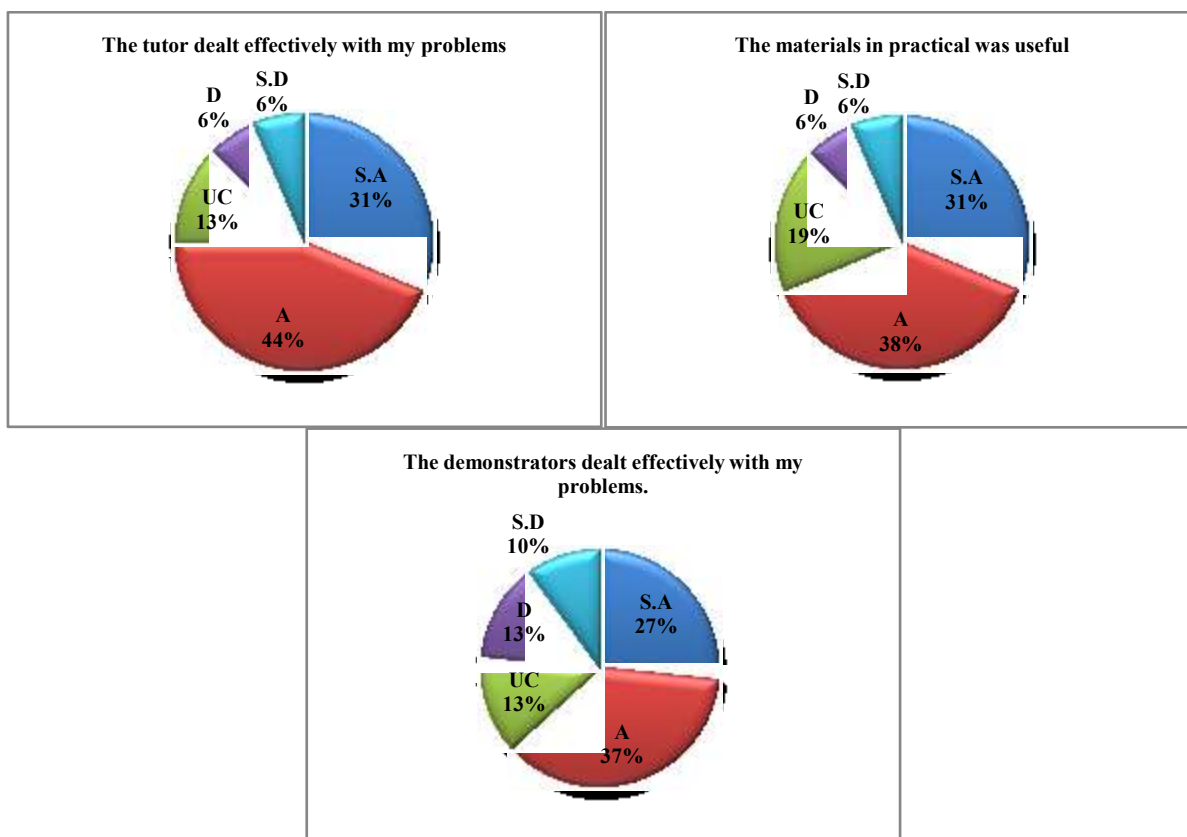


The material in the tutorials was useful



I was happy with the amount of work needed for tutorials





General Comments of Students about this course

Strengths:

- Reasonable method of assessment
- Material in tutorials was useful
- Learning outcomes achieved

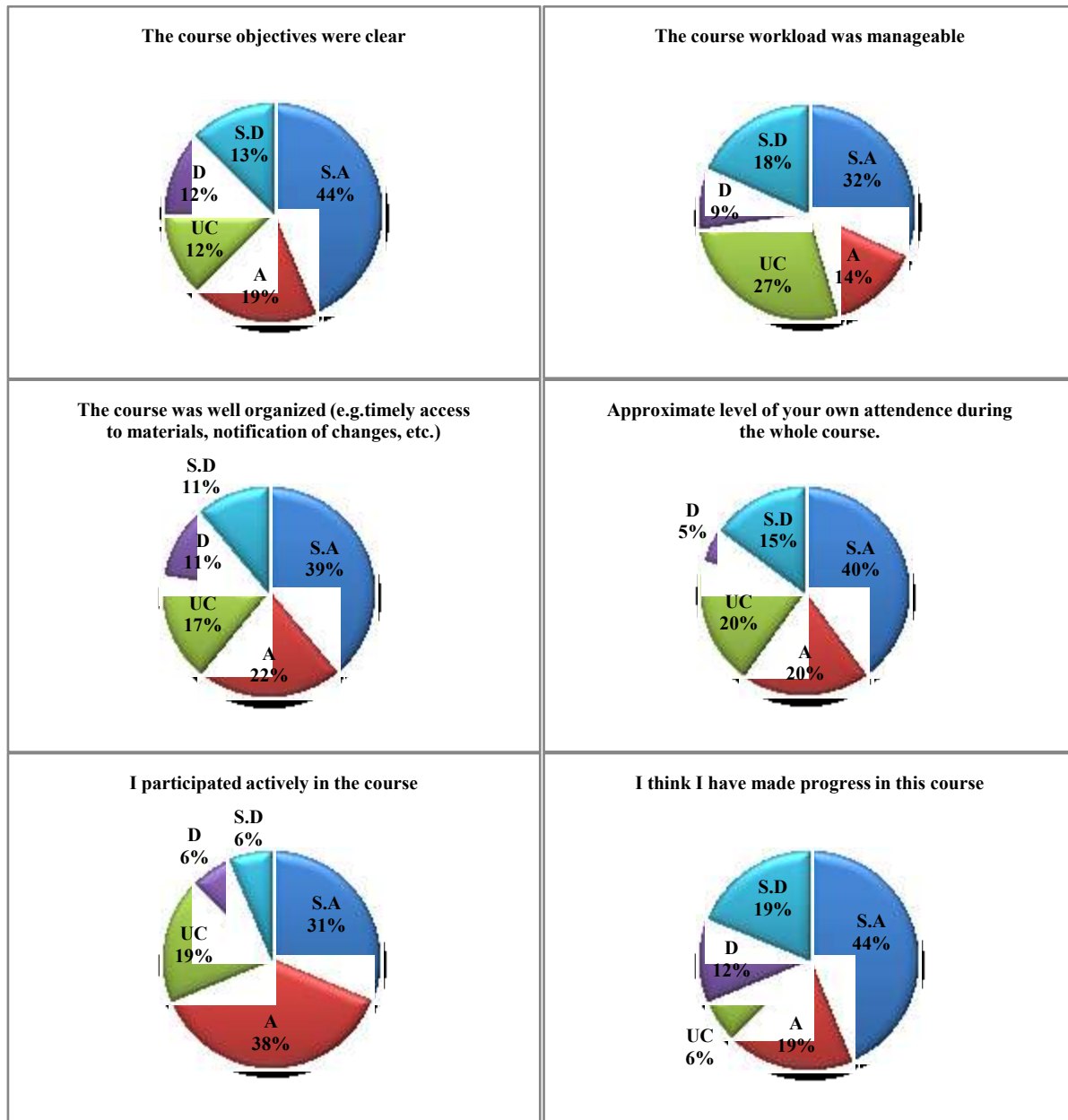
Weakness:

- Should explain the problem more

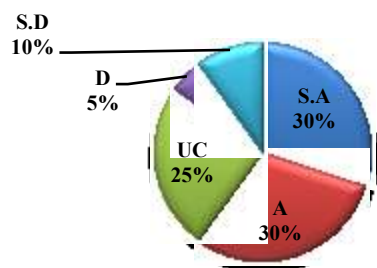
CS-536 (Mr. Sheeraz Akram)

The graph shows the details of the evaluation. The graph “The course objective were clear” indicates this. (44% strongly agreed, 19% agreed, 12% are uncertain, 12% disagreed and 13% strongly disagree). The instructor also provides additional study material apart from the text to students. The graph “The course workload was manageable “ reflects this. (32% strongly agreed, 14% agreed, 27% are uncertain, 9% disagreed and 18% strongly disagree). This can be seen in the graph “The course is well organized”. (39% strongly agreed, 32% agreed, 17% are

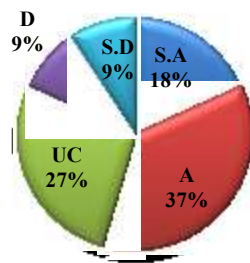
uncertain, 11% disagree and 11% strongly disagree). “The material in the tutorial was useful” 35% strongly agree 35% agreed, 6% are uncertain, 12% disagreed and 12% strongly disagree). “The feedback on assessment was timely. (27% strongly agreed, 27% agreed, 27% are uncertain, 13% disagreed and 6% strongly disagree). “ The pace of the course was appropriate “. (27% strongly agreed, 46% agreed, 7% are uncertain, 13% disagreed and 7% strongly disagree).” The instructor had made progress in this course “. (44% strongly agreed, 19% agreed, 12% are uncertain, 19% disagreed and 6% strongly disagree).



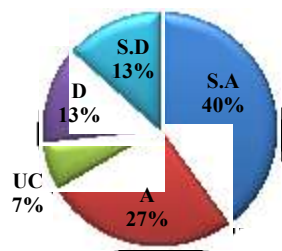
I think the course was well constructed to achieve the learning outcomes (there was a good balance of lecture, tutorials, practical etc.)



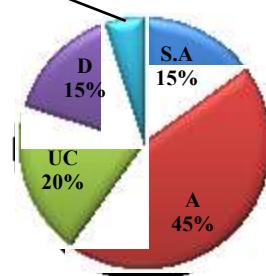
The learning and teaching methods encouraged participation.



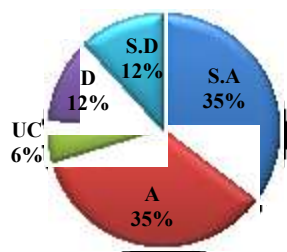
The overall environment in the class was conducive to learning.



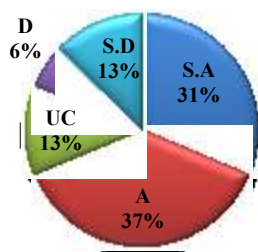
Classrooms were satisfactory



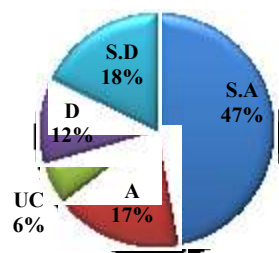
Learning materials (lesson plans, course notes etc.) were relevant and useful.



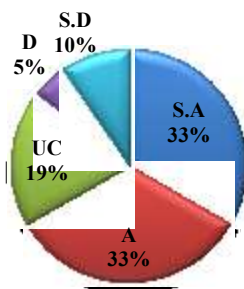
Recommended reading books etc. were relevant and appropriate.

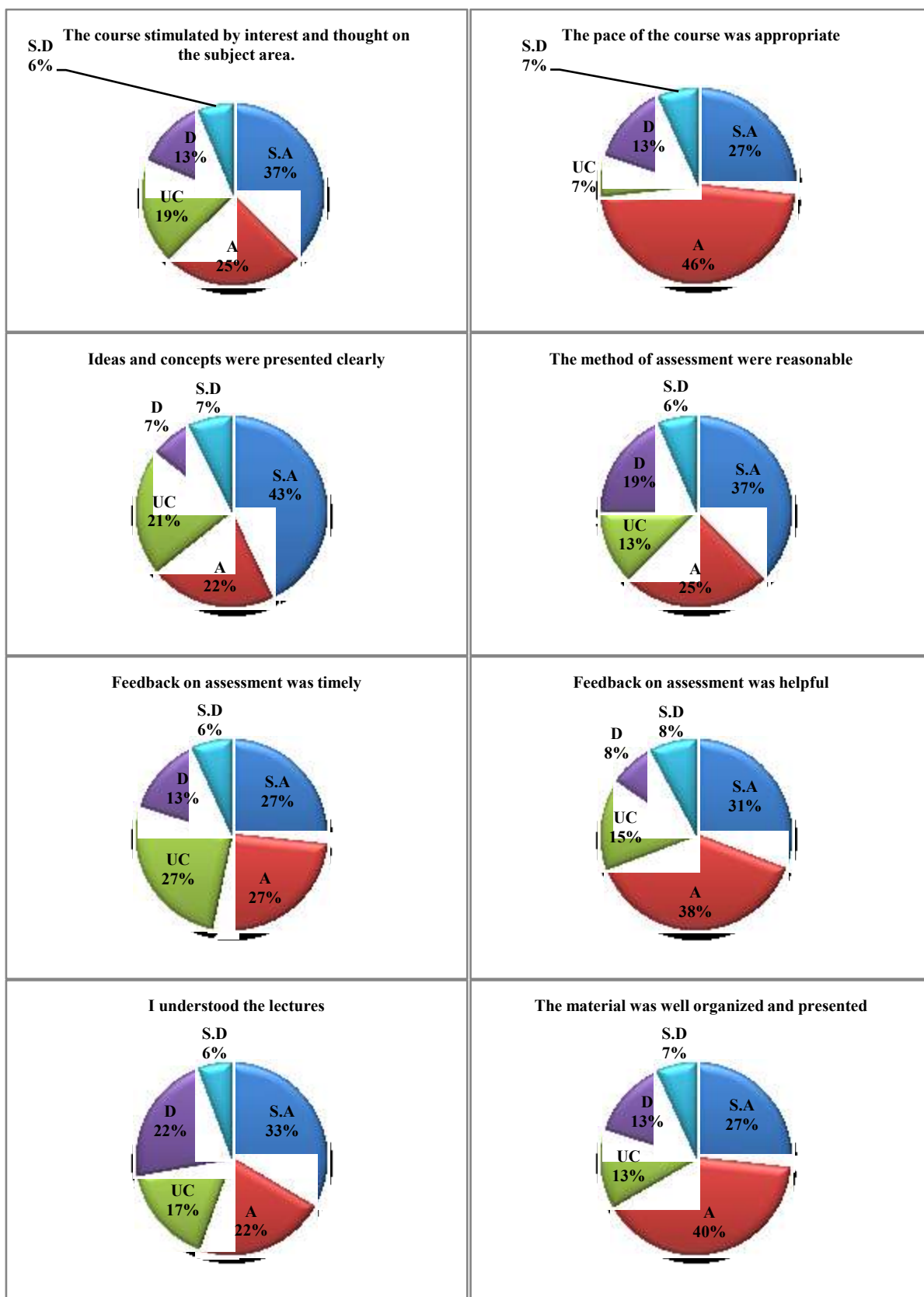


The provision of learning resources in the library was adequate and appropriate.

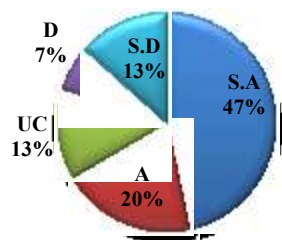


The provision of learning resources on the web was adequate and appropriate. (if relevant)

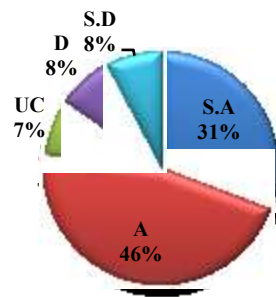




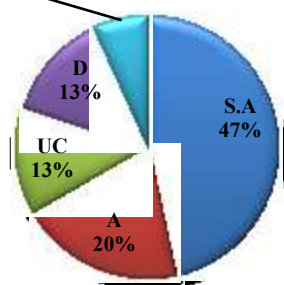
The instructor was responsive to student needs and problems



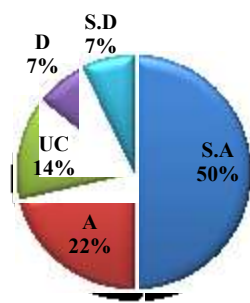
Had the instructor been regular throughout the course?



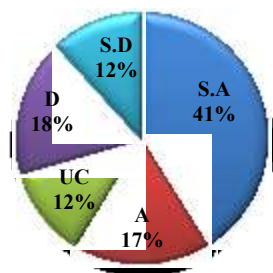
The material in the tutorials was useful



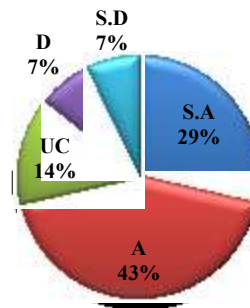
I was happy with the amount of work needed for tutorials



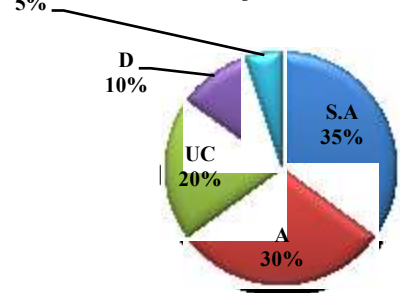
The tutor dealt effectively with my problems



The materials in practical was useful



The demonstrators dealt effectively with my problems.



General Comments of Students about this course

Strengths:

- The course objectives were clear.
- The contents were well designed.
- Students are satisfied with feedback on assessment

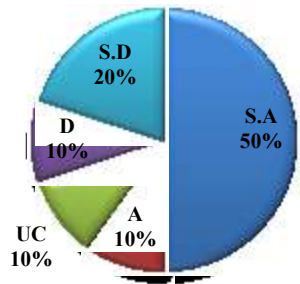
Weakness:

- Inadequate library resources for this course

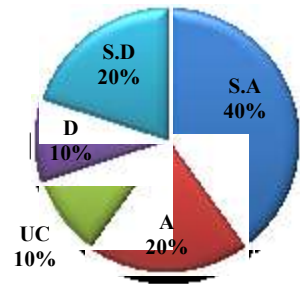
CS-432 (Ms. Rubina Ghazal)

The graph shows the details of the evaluation. There were enough library resources for the students for this course. . This can be seen in the graph “The provision of learning resources in the library was adequate and appropriate”, 11% strongly agreed, 56% agreed, 11% are uncertain, 11% disagreed and 11% strongly disagree. The course was well constructed to achieve the learning outcomes which can be seen in the graph “I think the course was well constructed to achieve learning outcomes (there was a good balance of lecture, tutorials, practical etc.)”, 67% strongly agreed, 9% agreed, 8% are uncertain, 8% disagreed and 8% strongly disagree. Students actively participated in the course. The graph “I participated actively in the course” indicates this, 34% strongly agreed, 33% agreed, 11% are uncertain, 11% disagreed and 11% strongly disagree. The instructor maintained a good clarity of presenting ideas and concepts throughout the course. The graph “Ideas and concepts were presented clearly” reflects this, 34% strongly agreed, 33% agreed, 11% are uncertain, 11% disagreed and 11% strongly disagree). The teacher has managed the course workload very well. The graph “The Course workload was manageable” show this, 40% strongly agreed, 20% agreed, 10% are uncertain, 10% disagreed and 20% strongly disagree.

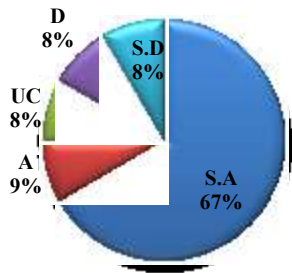
The course objectives were clear



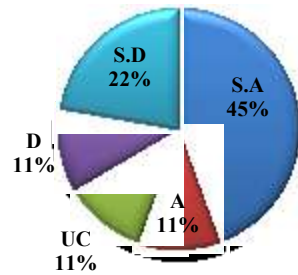
The course workload was manageable



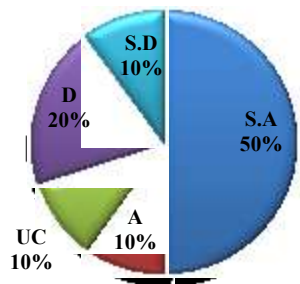
The course was well organized (e.g.timely access to materials, notification of changes, etc.)



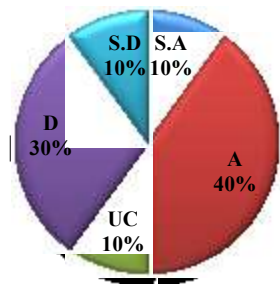
Approximate level of your own attendance during the whole course.



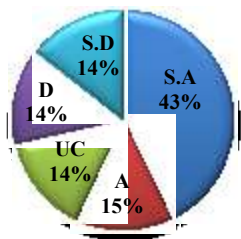
I participated actively in the course



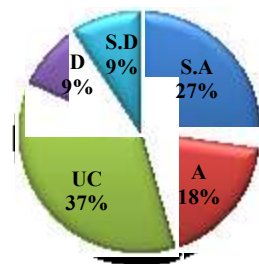
I think I have made progress in this course



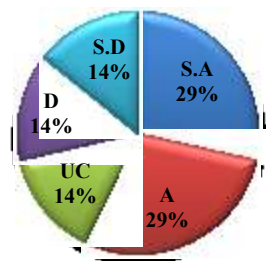
I think the course was well constructed to achieve the learning ourcomes (there was a good balance of lecture, tutorials, partical etc.)



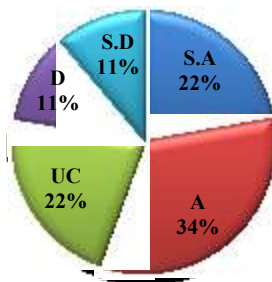
The learning and teaching methods encouraged participation.



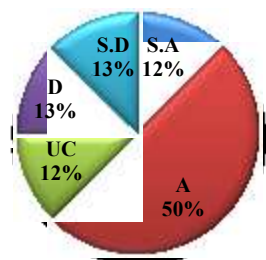
The overall environment in the class was conducive to learning.



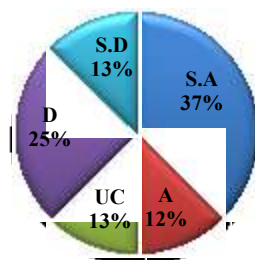
Classrooms were satisfactory



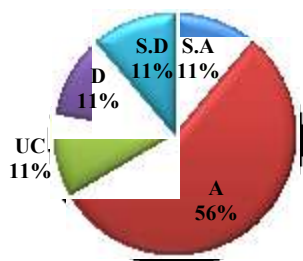
Learning materials (lesson plans, course notes etc.) were relevant and useful.



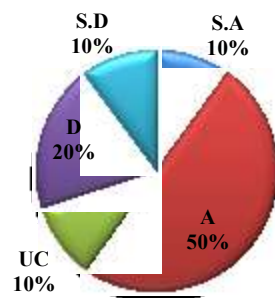
Recommended reading books etc. were relevant and appropriate.



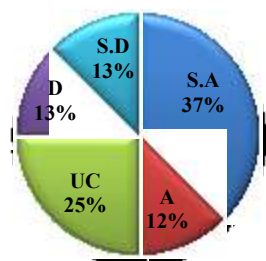
The provision of learning resources in the library was adequate and appropriate.



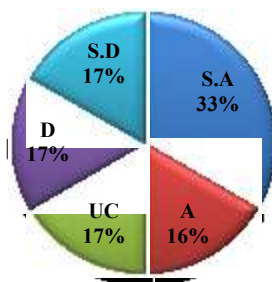
The provision of learning resources on the web was adequate and appropriate. (if relevant)



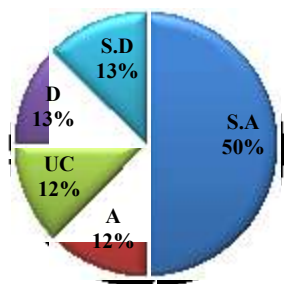
The course stimulated by interest and thought on the subject area.



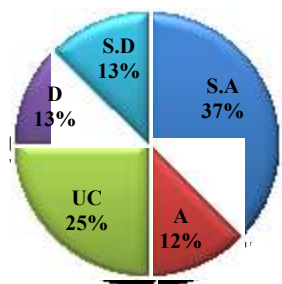
The pace of the course was appropriate



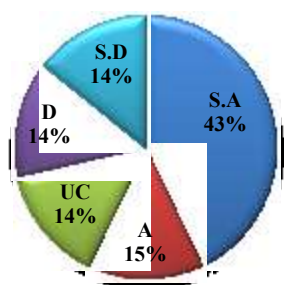
Ideas and concepts were presented clearly



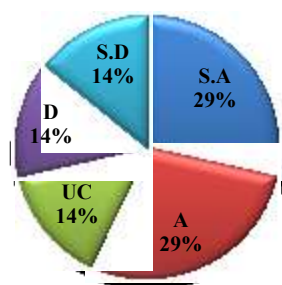
The method of assessment were reasonable



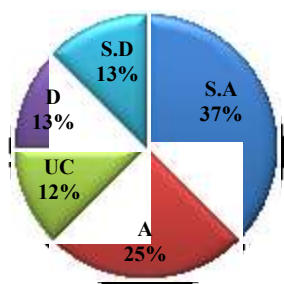
Feedback on assessment was timely



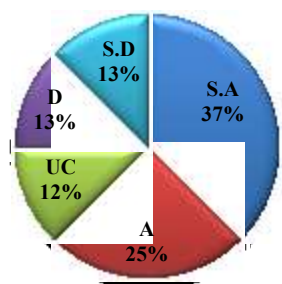
Feedback on assessment was helpful



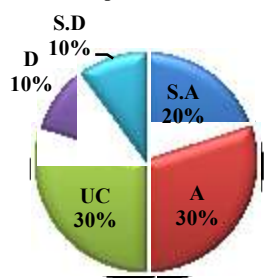
I understood the lectures



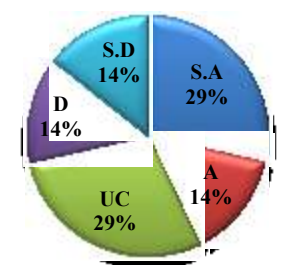
The material was well organized and presented

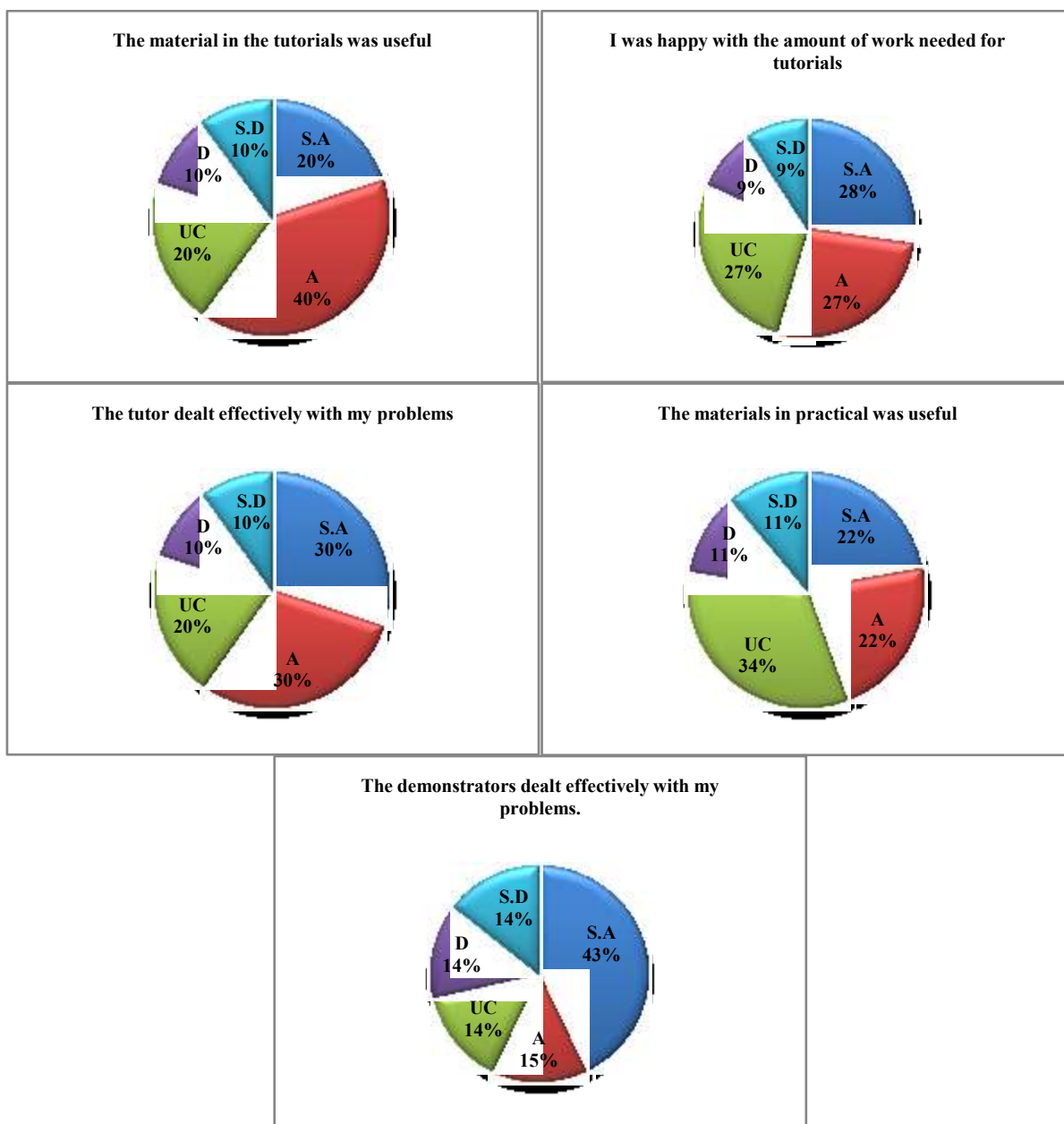


The instructor was responsive to student needs and problems



Had the instructor been regular throughout the course?





General Comments of Students about this course

Strengths:

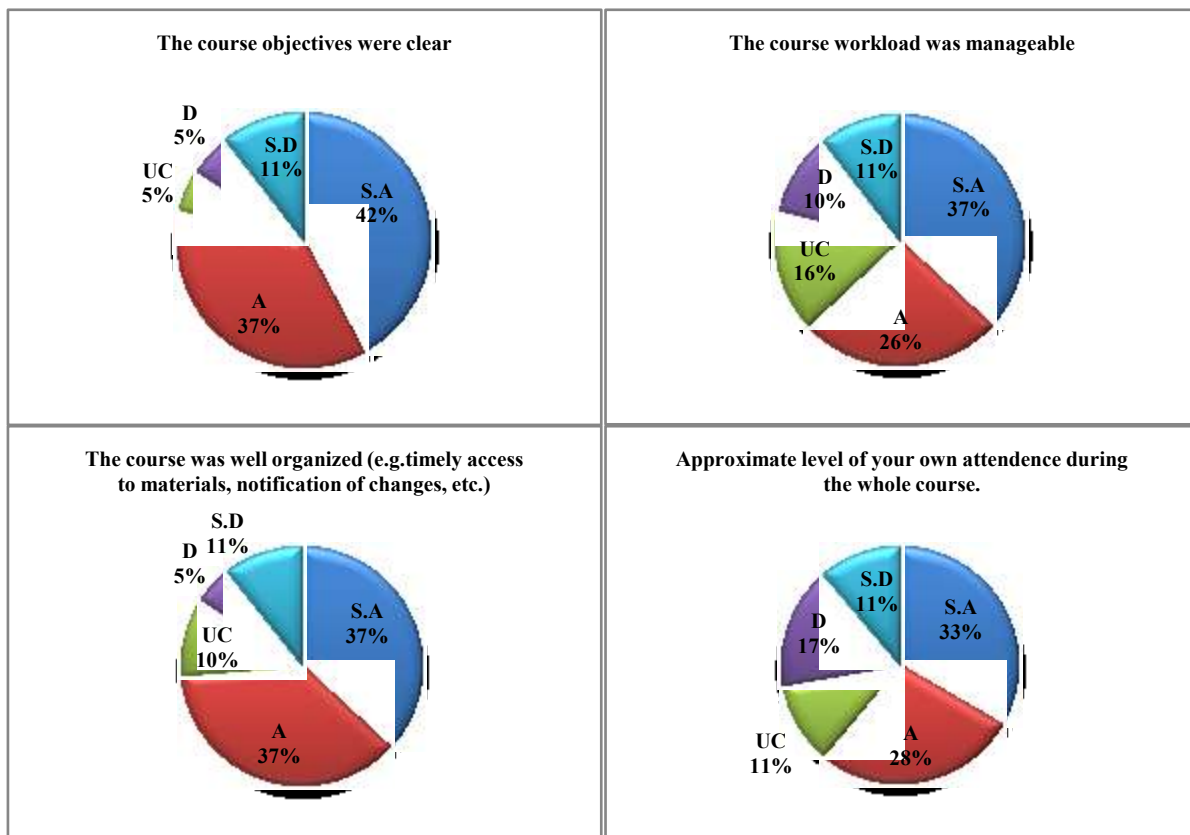
- Well Managed course
- Speed was ok

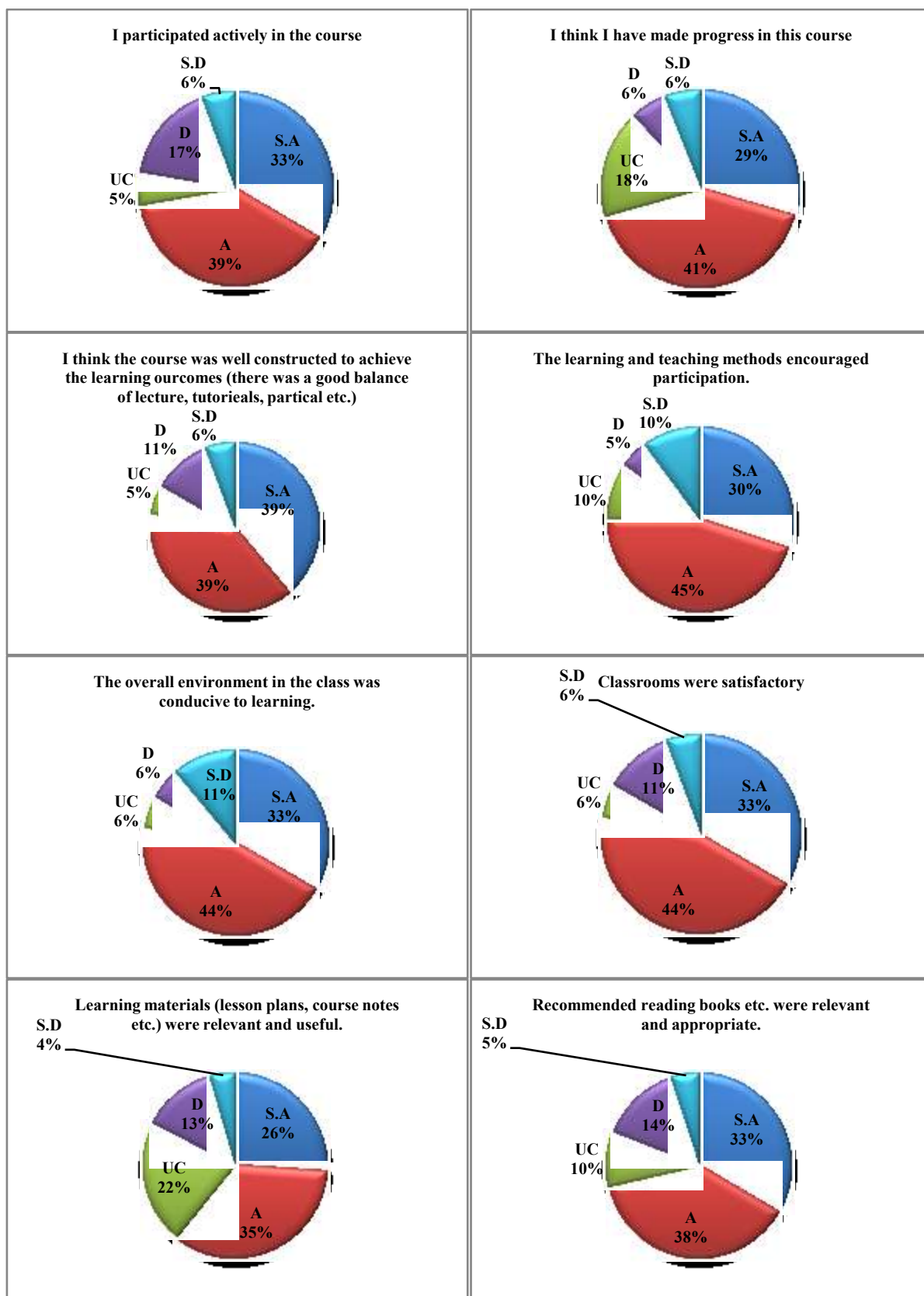
Weaknesses:

- Reference material required.
- Detail tutorials should be provided.

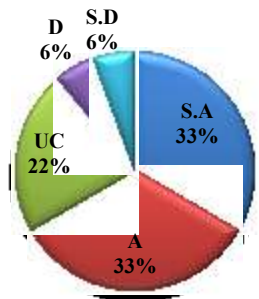
CS-452 (Nasir Mehmood Minhas)

The graph shows the details of the evaluation. The graph “The course objective were clear” indicates this. (33% strongly agreed, 52% agreed, 4% are uncertain, 4% disagreed and 7% strongly disagree). The instructor also provides additional study material apart from the text to students. The graph “The course workload was manageable “ reflects this. (39% strongly agreed, 39% agreed, 9% are uncertain, 9% disagreed and 4% strongly disagree). This can be seen in the graph “The course is well organized”. (31% strongly agreed, 50% agreed, 7% are uncertain, 4% disagree and 8% strongly disagree). “The material in the tutorial was useful” 28% strongly agree 44% agreed, 16% are uncertain, 9% disagreed and 3% strongly disagree). “The feedback on assessment was timely. (37% strongly agreed, 32% agreed, 16% are uncertain, 10% disagreed and 5% strongly disagree). “ The pace of the course was appropriate “. (31% strongly agreed, 41% agreed, 17% are uncertain, 7% disagreed and 4% strongly disagree).” The instructor had made progress in this course “. (36% strongly agreed, 27% agreed, 23% are uncertain, 5% disagreed and 9% strongly disagree).

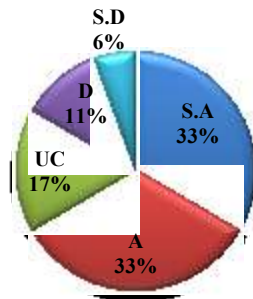




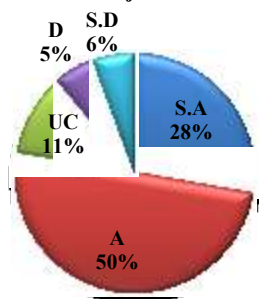
The provision of learning resources in the library was adequate and appropriate.



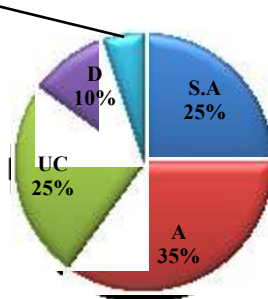
The provision of learning resources on the web was adequate and appropriate. (if relevant)



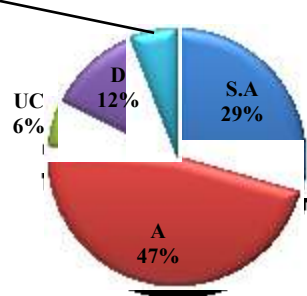
The course stimulated by interest and thought on the subject area.



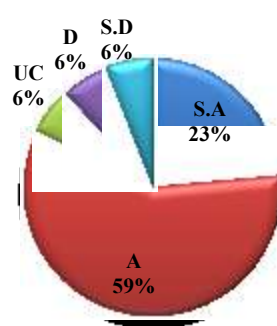
S.D The pace of the course was appropriate



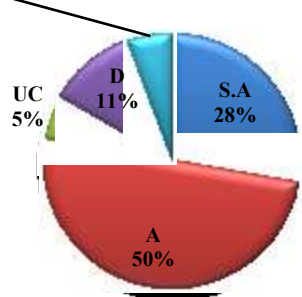
S.D Ideas and concepts were presented clearly



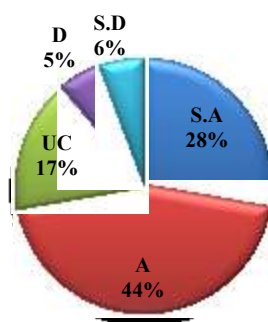
The method of assessment were reasonable

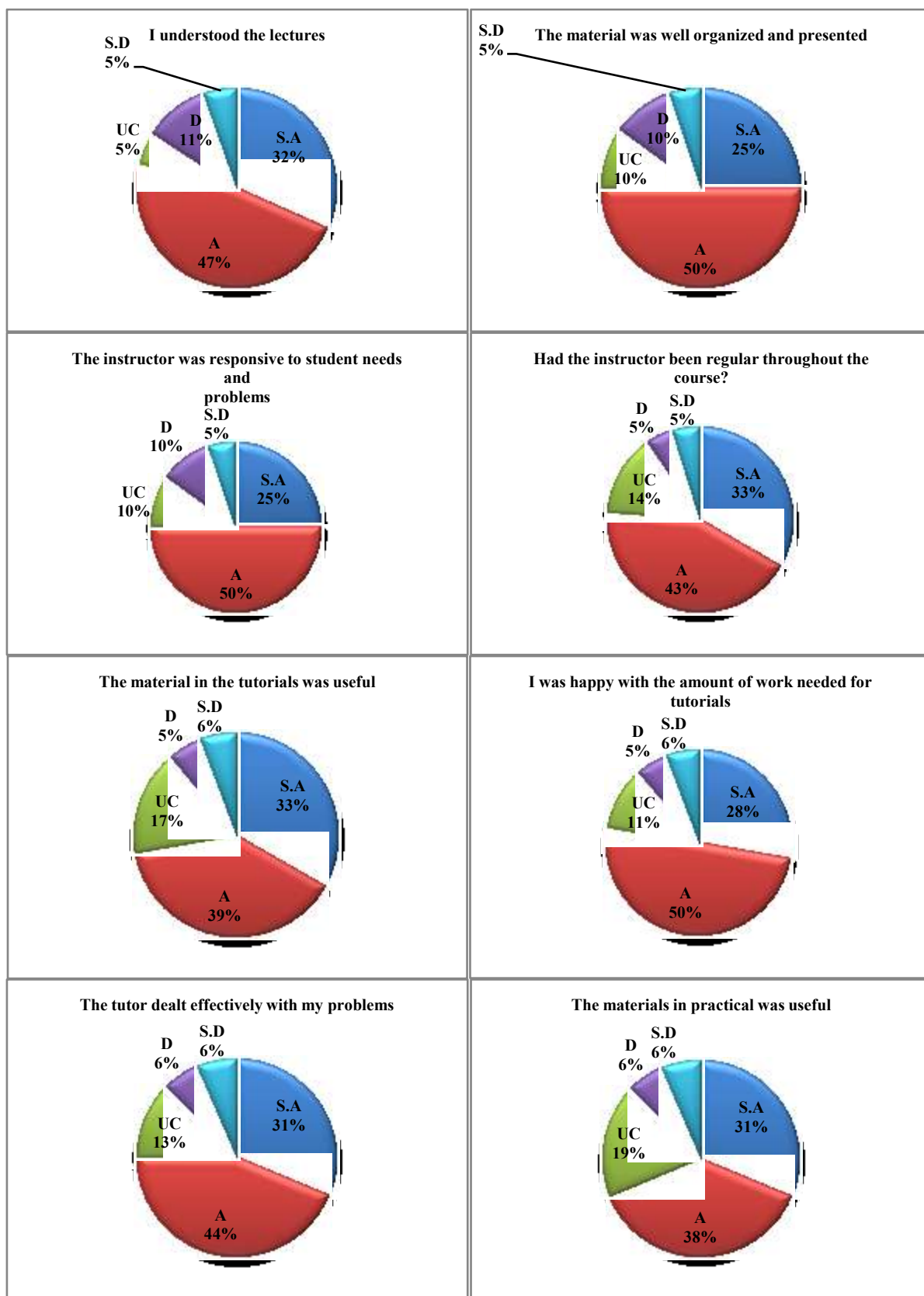


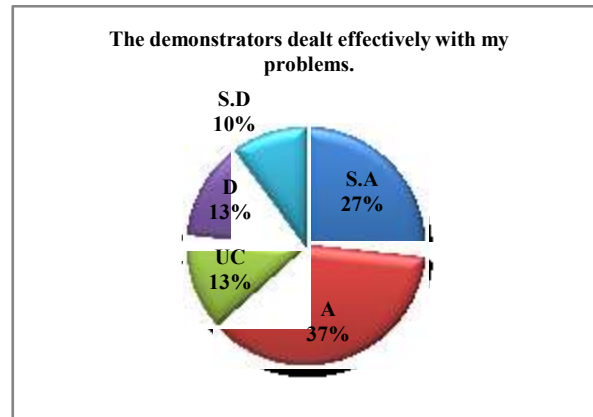
S.D Feedback on assessment was timely



Feedback on assessment was helpful







General Comments of Students about this course

Strengths:

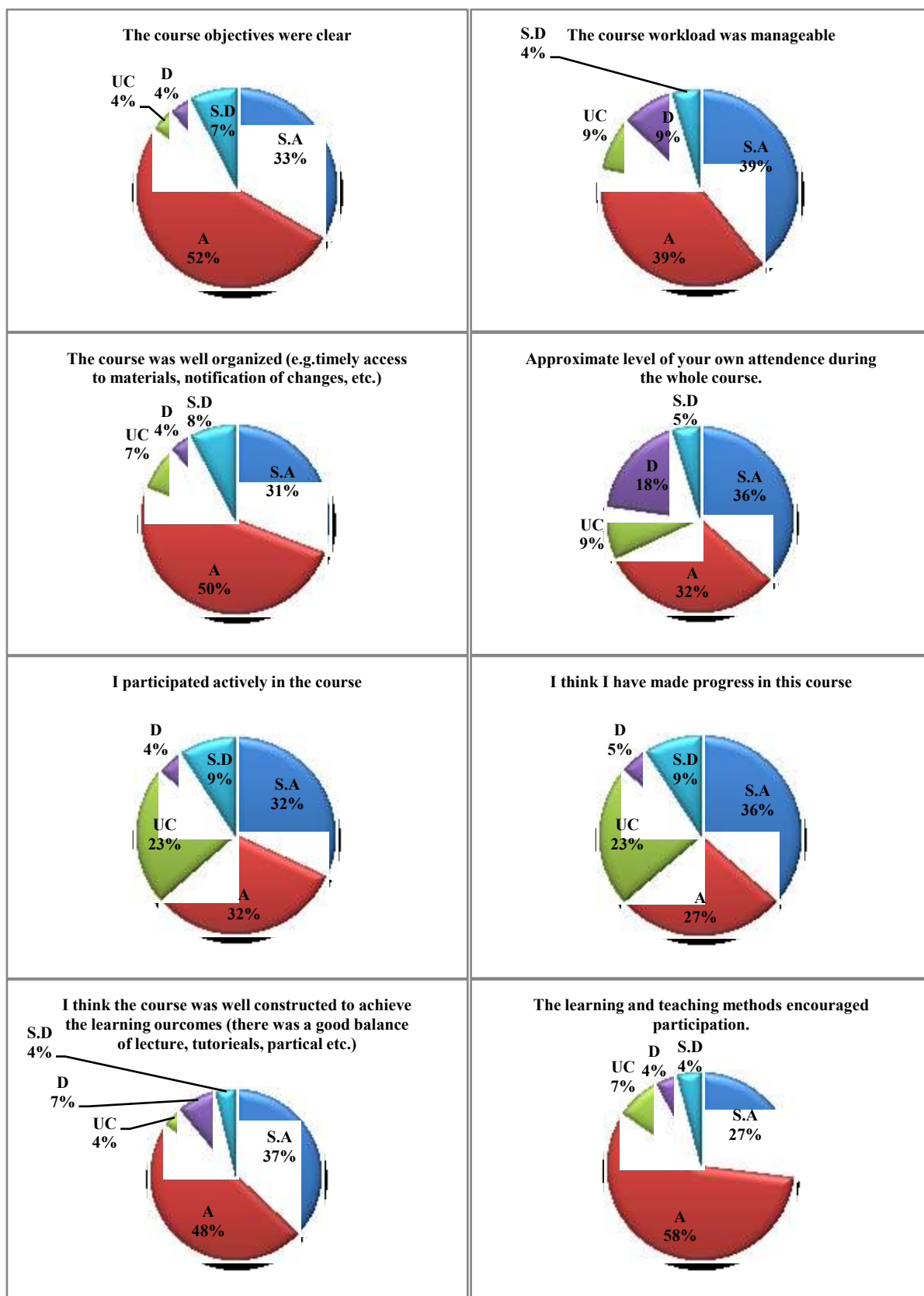
- Reasonable method of assessment
- Material in tutorials was useful
- Learning outcomes achieved

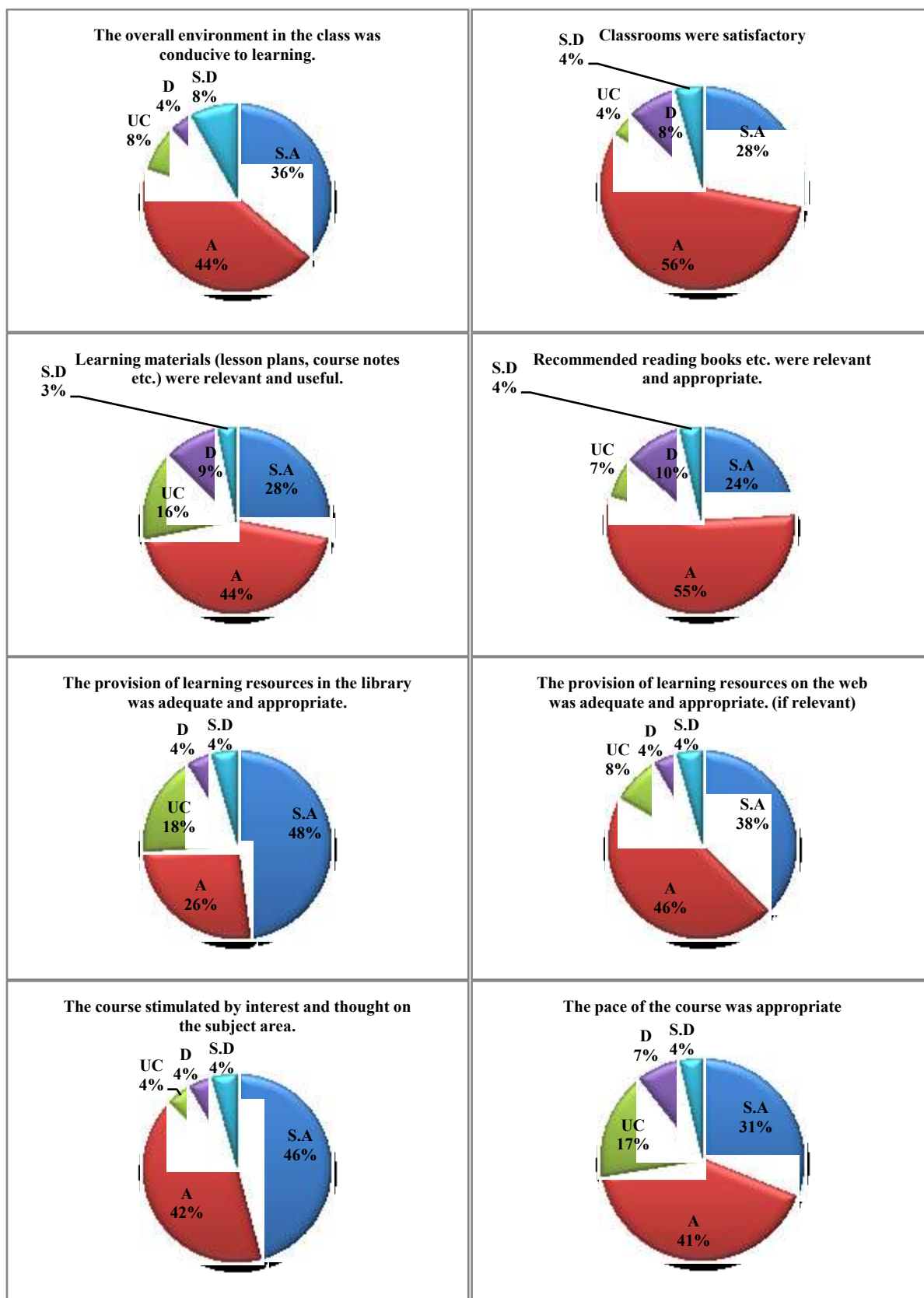
Weakness:

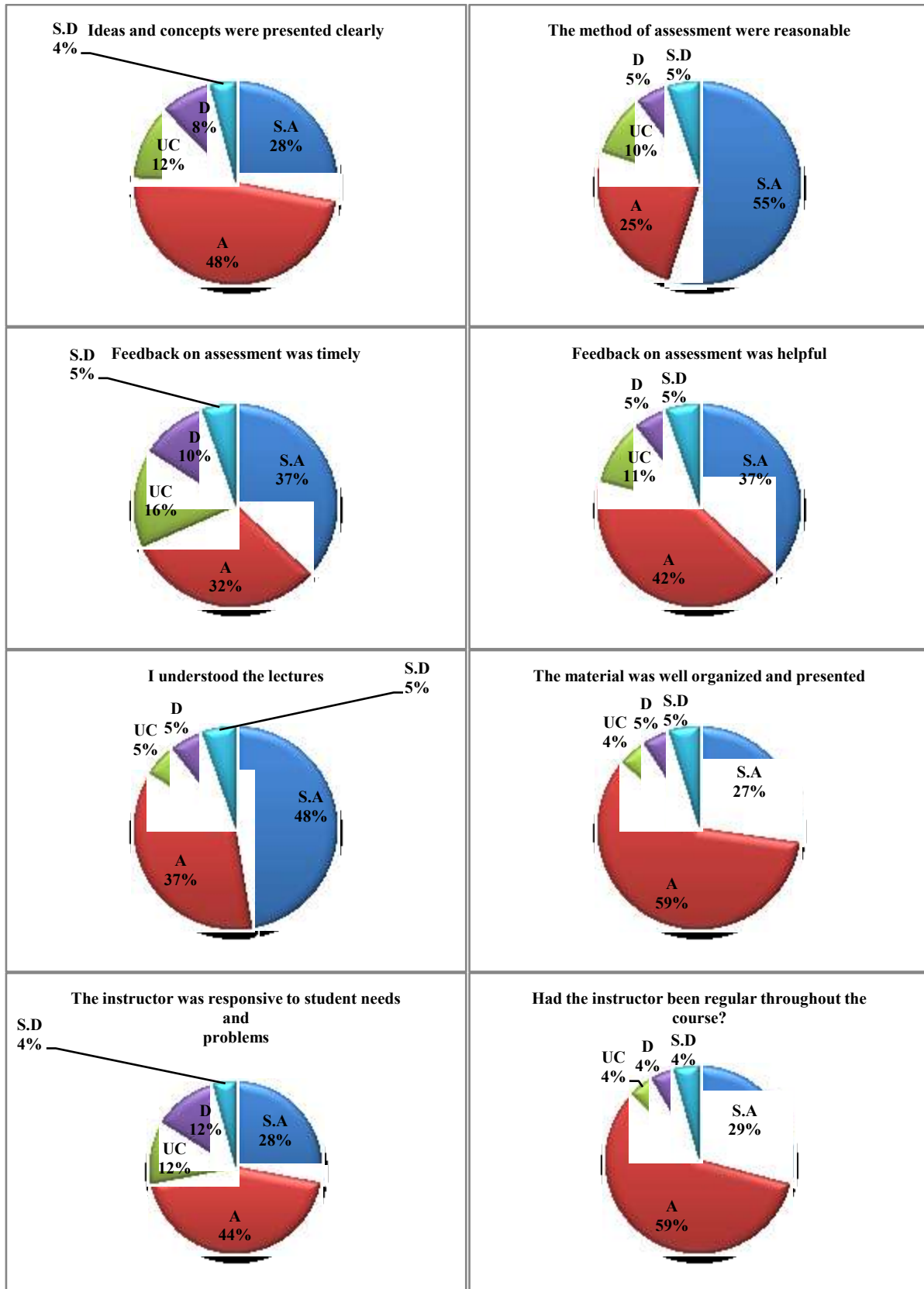
- Should explain the problem more

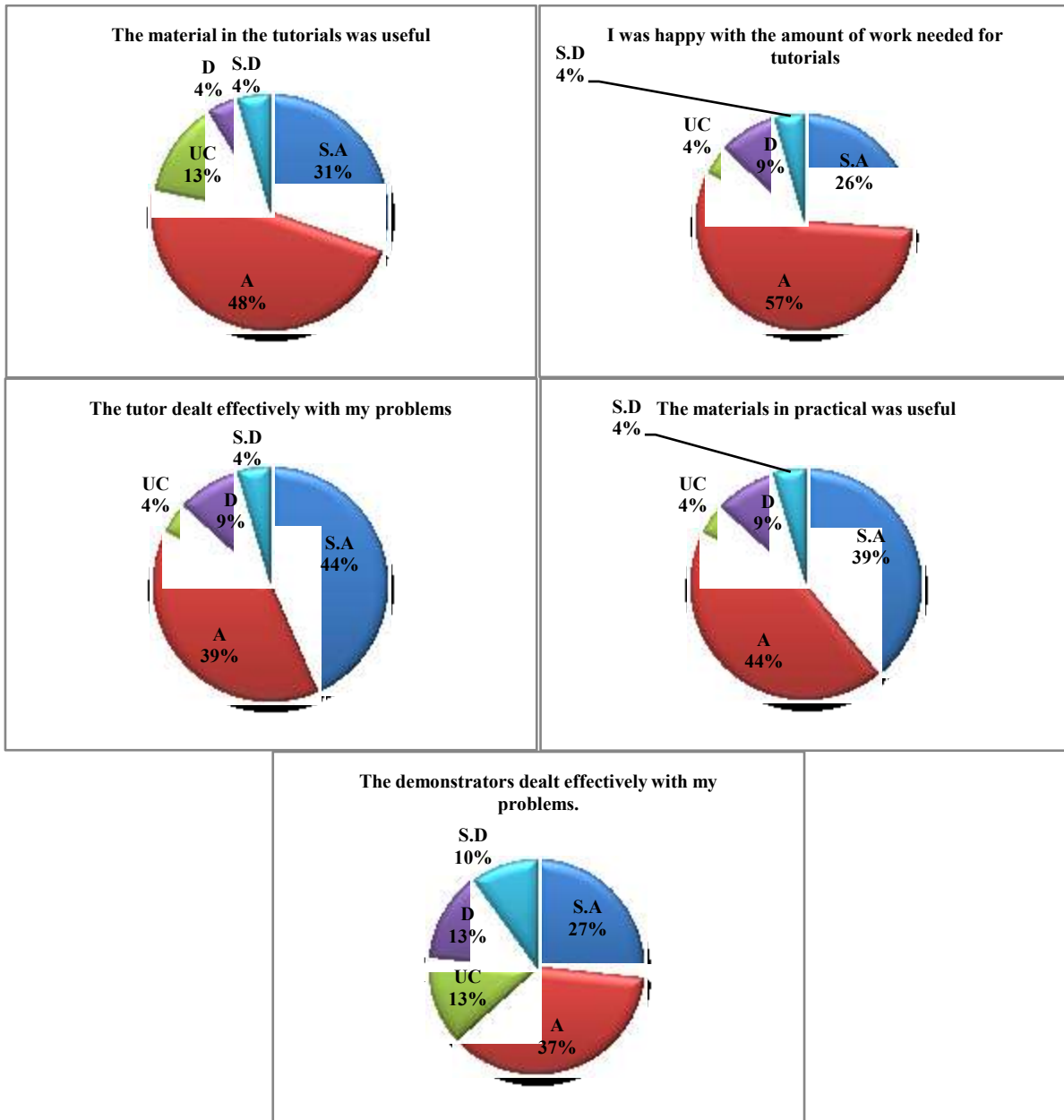
MGT-543 (Mr. Muhammad Nazir)

The graph shows the details of the evaluation. The graph “The course objective were clear” indicates this. (33% strongly agreed, 52% agreed, 4% are uncertain, 4% disagreed and 7% strongly disagree). The instructor also provides additional study material apart from the text to students. The graph “The course workload was manageable “ reflects this. (39% strongly agreed, 39% agreed, 9% are uncertain, 9% disagreed and 4% strongly disagree). This can be seen in the graph “The course is well organized”. (31% strongly agreed, 50% agreed, 7% are uncertain, 4% disagree and 8% strongly disagree). “The material in the tutorial was useful” 28% strongly agree 44% agreed, 16% are uncertain, 9% disagreed and 3% strongly disagree). “The feedback on assessment was timely. (37% strongly agreed, 32% agreed, 16% are uncertain, 10% disagreed and 5% strongly disagree). “ The pace of the course was appropriate “. (31% strongly agreed, 41% agreed, 17% are uncertain, 7% disagreed and 4% strongly disagree).” The instructor had made progress in this course “. (36% strongly agreed, 27% agreed, 23% are uncertain, 5% disagreed and 9% strongly disagree).









General Comments of Students about this course

Strengths:

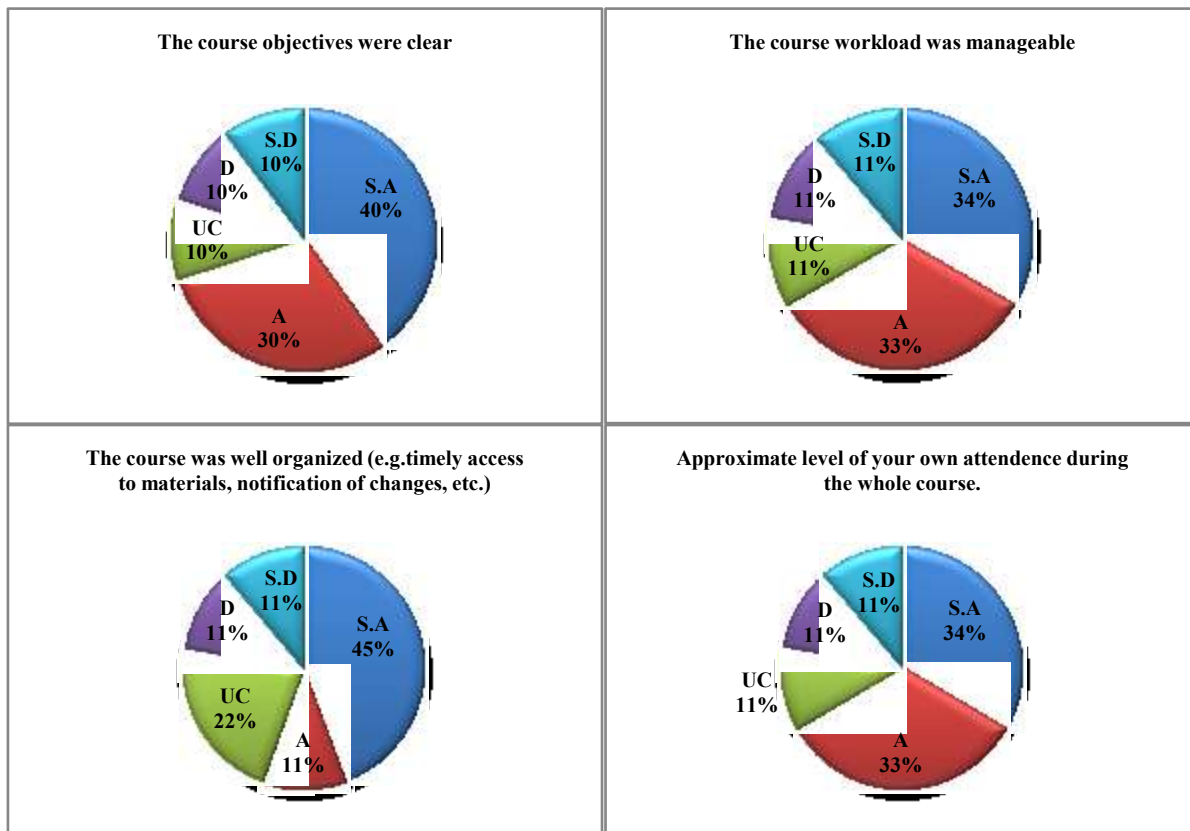
- Clear course objectives
- Helpful feedback on assessment
- Students made good progress in this course

Weakness:

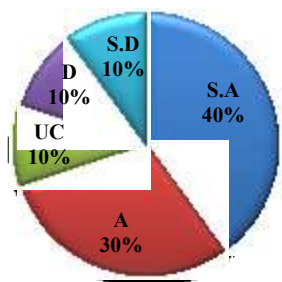
- Should explain the problem more

CS- 536 (Mr. Muhammad Nazir)

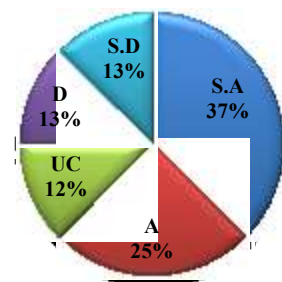
The graph shows the details of the evaluation. The course was managed at a good pace by the teacher. This can be seen in the graph “The pace of the course was appropriate”, 34% strongly agreed, 33% agreed, 11% are uncertain, 11% disagreed and 11% strongly disagree. The course was well constructed to achieve the learning outcomes which can be seen in the graph “I think the course was well constructed to achieve learning outcomes (there was a good balance of lecture, tutorials, practical etc.)”, 22% strongly agreed, 45% agreed, 11% are uncertain, 11% disagreed and 11% strongly disagree. Teacher’s teaching methodology encouraged students to participate in the course.. The graph “The learning and teaching methods encouraged participation” indicates this, 45% strongly agreed, 32% agreed, 11% are uncertain, 11% disagreed and 11% strongly disagree. The instructor maintained a good clarity of presenting ideas and concepts throughout the course. The graph “Ideas and concepts were presented clearly” reflects this, 34% strongly agreed, 33% agreed, 11% are uncertain, 11% disagreed and 11% strongly disagree.



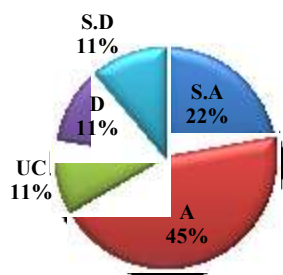
I participated actively in the course



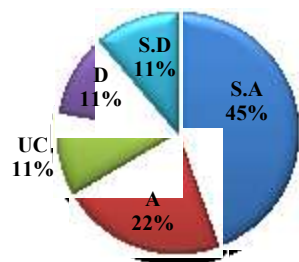
I think I have made progress in this course



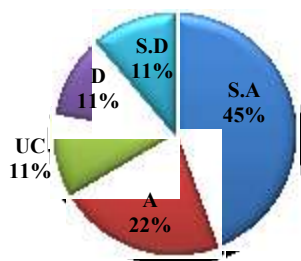
I think the course was well constructed to achieve the learning outcomes (there was a good balance of lecture, tutorials, practical etc.)



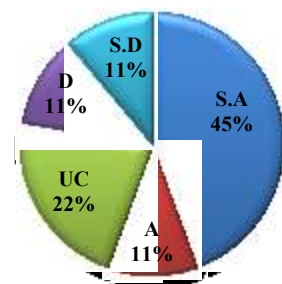
The learning and teaching methods encouraged participation.



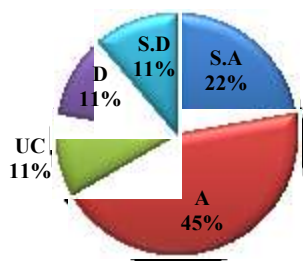
The overall environment in the class was conducive to learning.



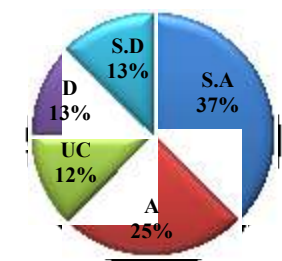
Classrooms were satisfactory



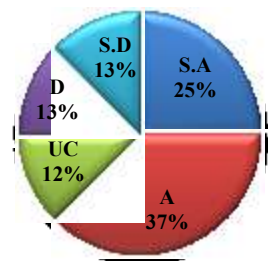
Learning materials (lesson plans, course notes etc.) were relevant and useful.



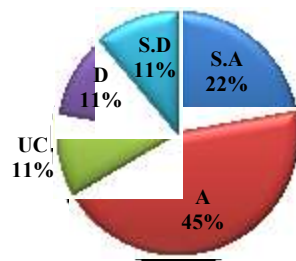
Recommended reading books etc. were relevant and appropriate.



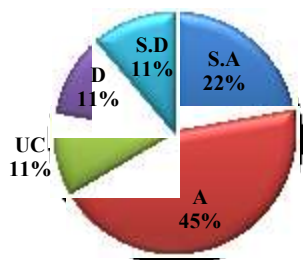
The provision of learning resources in the library was adequate and appropriate.



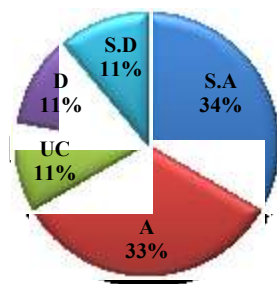
The provision of learning resources on the web was adequate and appropriate. (if relevant)



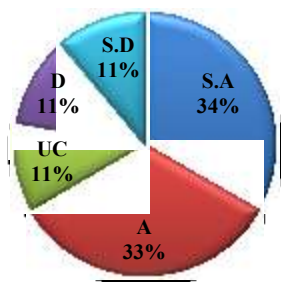
The course stimulated by interest and thought on the subject area.



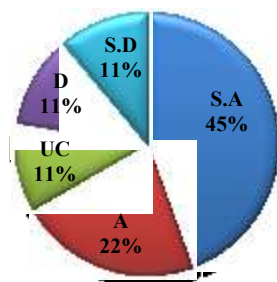
The pace of the course was appropriate



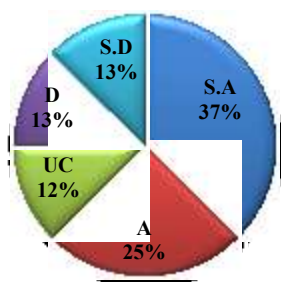
Ideas and concepts were presented clearly



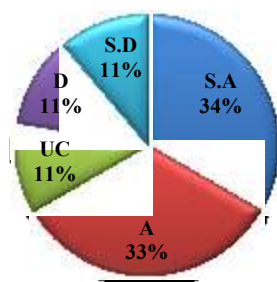
The method of assessment were reasonable



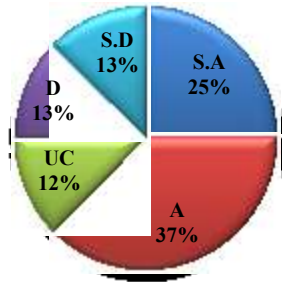
Feedback on assessment was timely



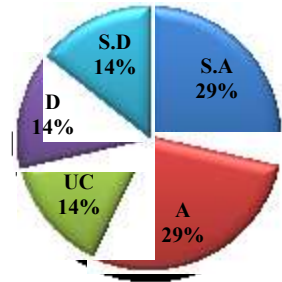
Feedback on assessment was helpful



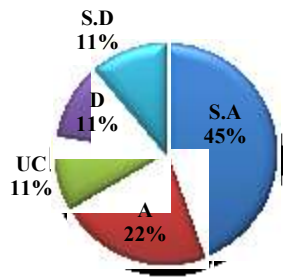
I understood the lectures



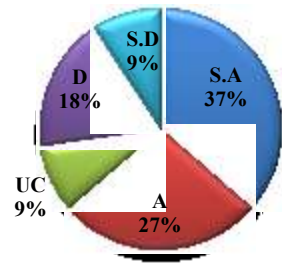
The material was well organized and presented



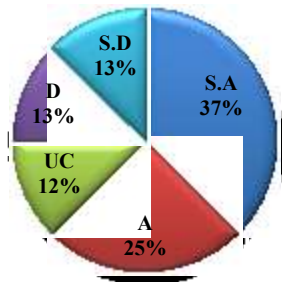
The instructor was responsive to student needs and problems



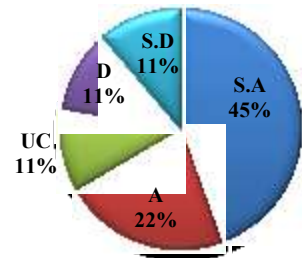
Had the instructor been regular throughout the course?



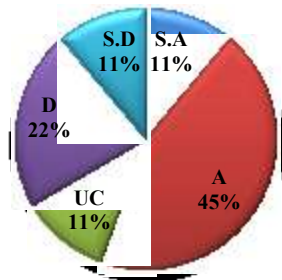
The material in the tutorials was useful



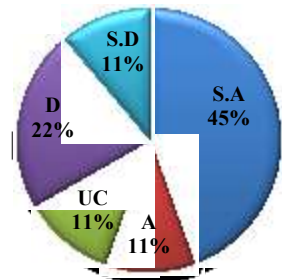
I was happy with the amount of work needed for tutorials

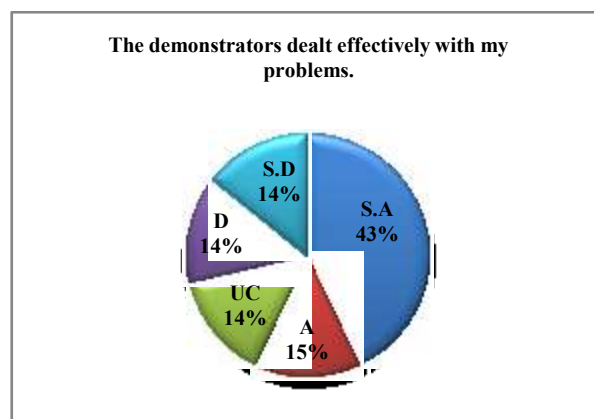


The tutor dealt effectively with my problems



The materials in practical was useful





General Comments of Students about this course

Strengths:

- Always well prepared for the lecture
- Encourage the questions in the class

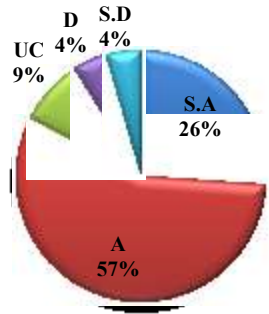
Weaknesses:

- More lab time required
- More reference material required.
- Timely feedback required.

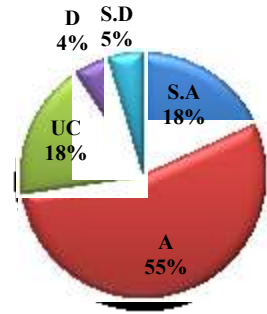
CS-423 (Ms. Aisha Umair)

The graph shows the details of the evaluation. The graph “The course objective were clear” indicates this. (26% strongly agreed, 57% agreed, 9% are uncertain, 4% disagreed and 4% strongly disagree). The instructor also provides additional study material apart from the text to students. The graph “The course workload was manageable “ reflects this. (18% strongly agreed, 55% agreed, 18% are uncertain, 4% disagreed and 5% strongly disagree). This can be seen in the graph “The course is well organized”.” (35% strongly agreed, 39% agreed, 13% are uncertain, 52% disagree and 5% strongly disagree). “The material in the tutorial was useful” 33% strongly agree 524% agreed, 5% are uncertain, 5% disagreed and 3% strongly disagree). “The feedback on assessment was timely. (27% strongly agreed, 50% agreed, 14% are uncertain, 4% disagreed and 5% strongly disagree). “ The pace of the course was appropriate “. (31% strongly agreed, 52% agreed, 9% are uncertain, 4% disagreed and 4% strongly disagree).” The instructor had made progress in this course “. (36% strongly agreed, 27% agreed, 23% are uncertain, 5% disagreed and 9% strongly disagree).

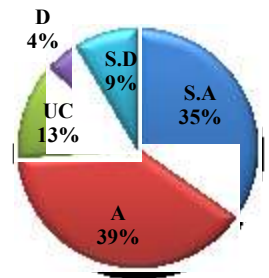
The course objectives were clear



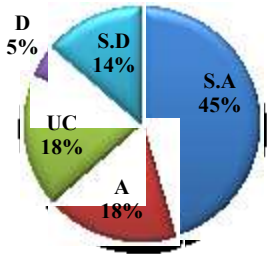
The course workload was manageable



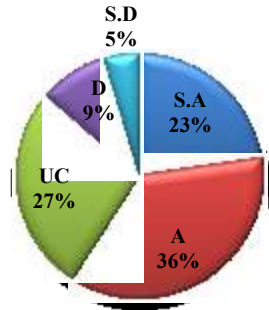
The course was well organized (e.g.timely access to materials, notification of changes, etc.)



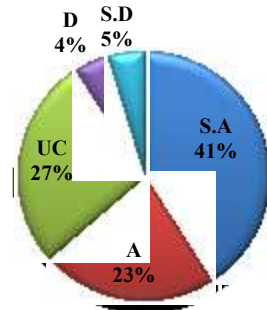
Approximate level of your own attendance during the whole course.



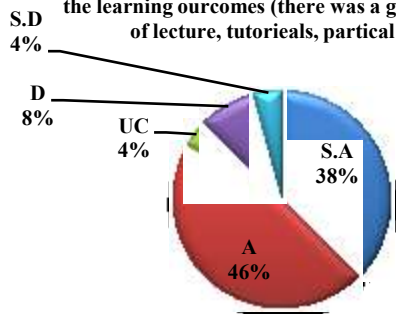
I participated actively in the course



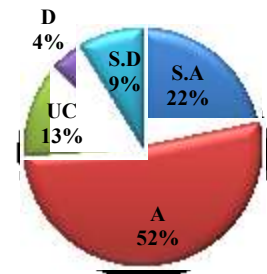
I think I have made progress in this course

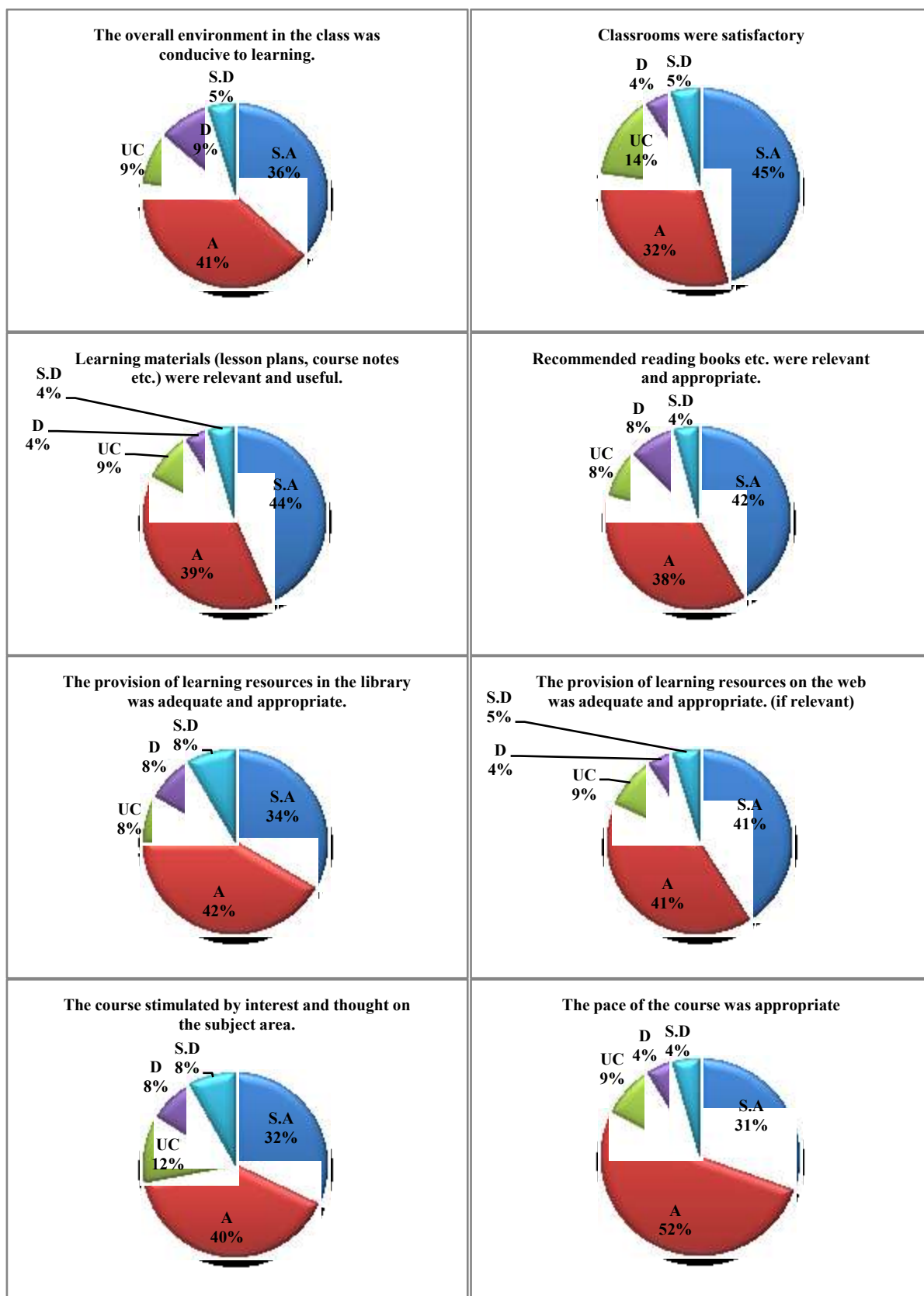


I think the course was well constructed to achieve the learning outcomes (there was a good balance of lecture, tutorials, partical etc.)

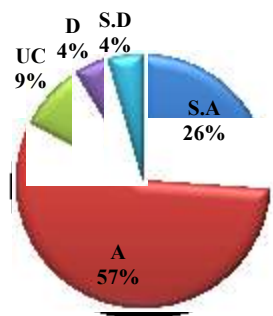


The learning and teaching methods encouraged participation.

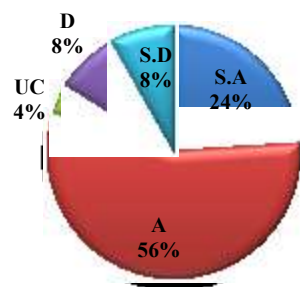




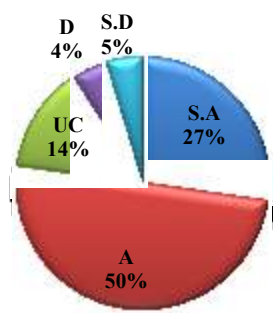
Ideas and concepts were presented clearly



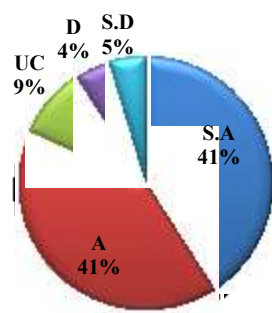
The method of assessment were reasonable



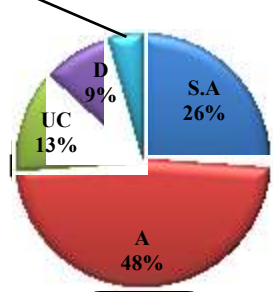
Feedback on assessment was timely



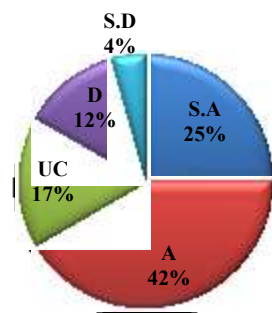
Feedback on assessment was helpful



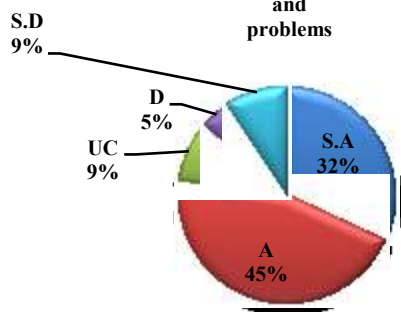
I understood the lectures



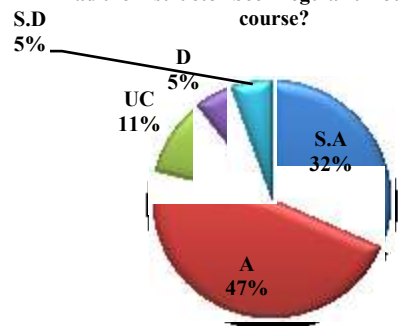
The material was well organized and presented

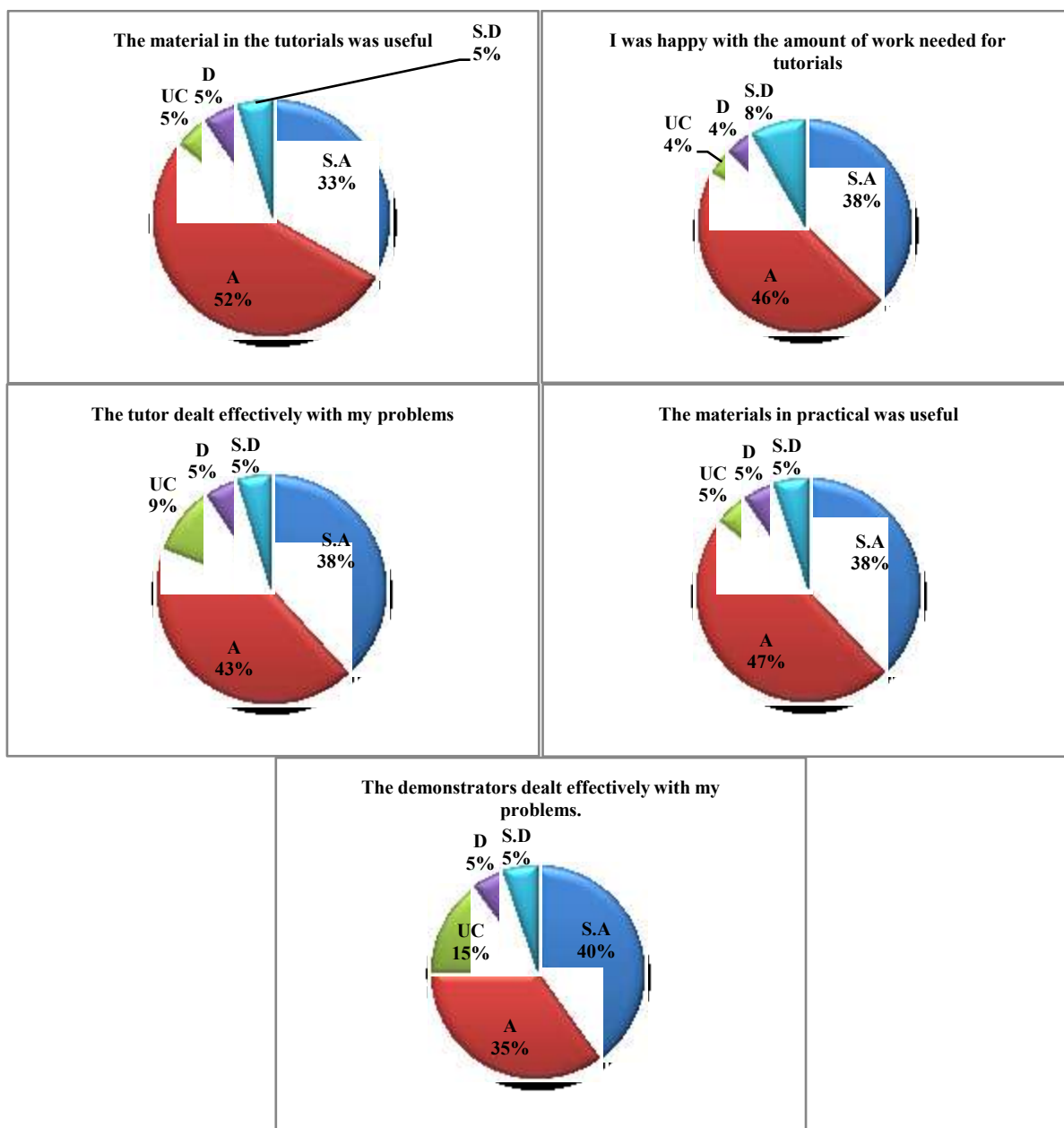


The instructor was responsive to student needs and problems



Had the instructor been regular throughout the course?





General Comments of Students about this course

Strengths:

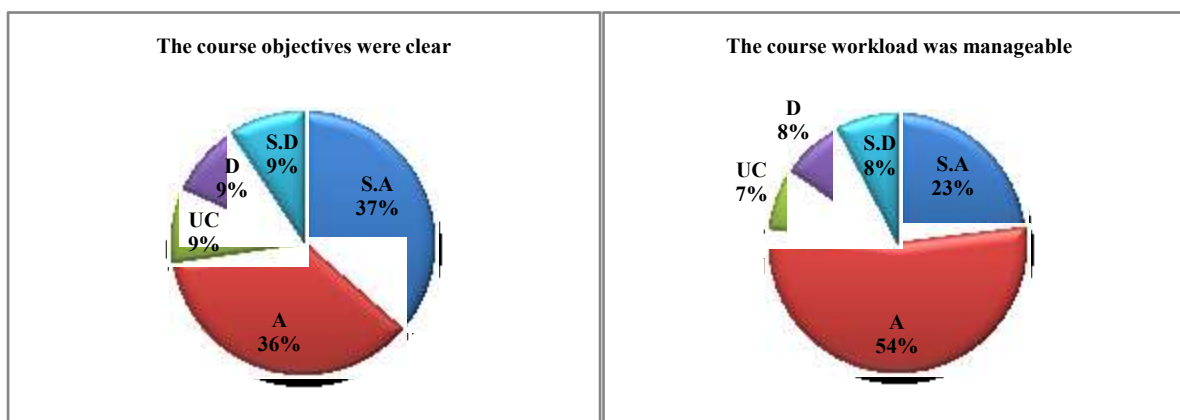
- The course objectives were clear.
- Well prepared for the lecture and feedback on assessment on time.

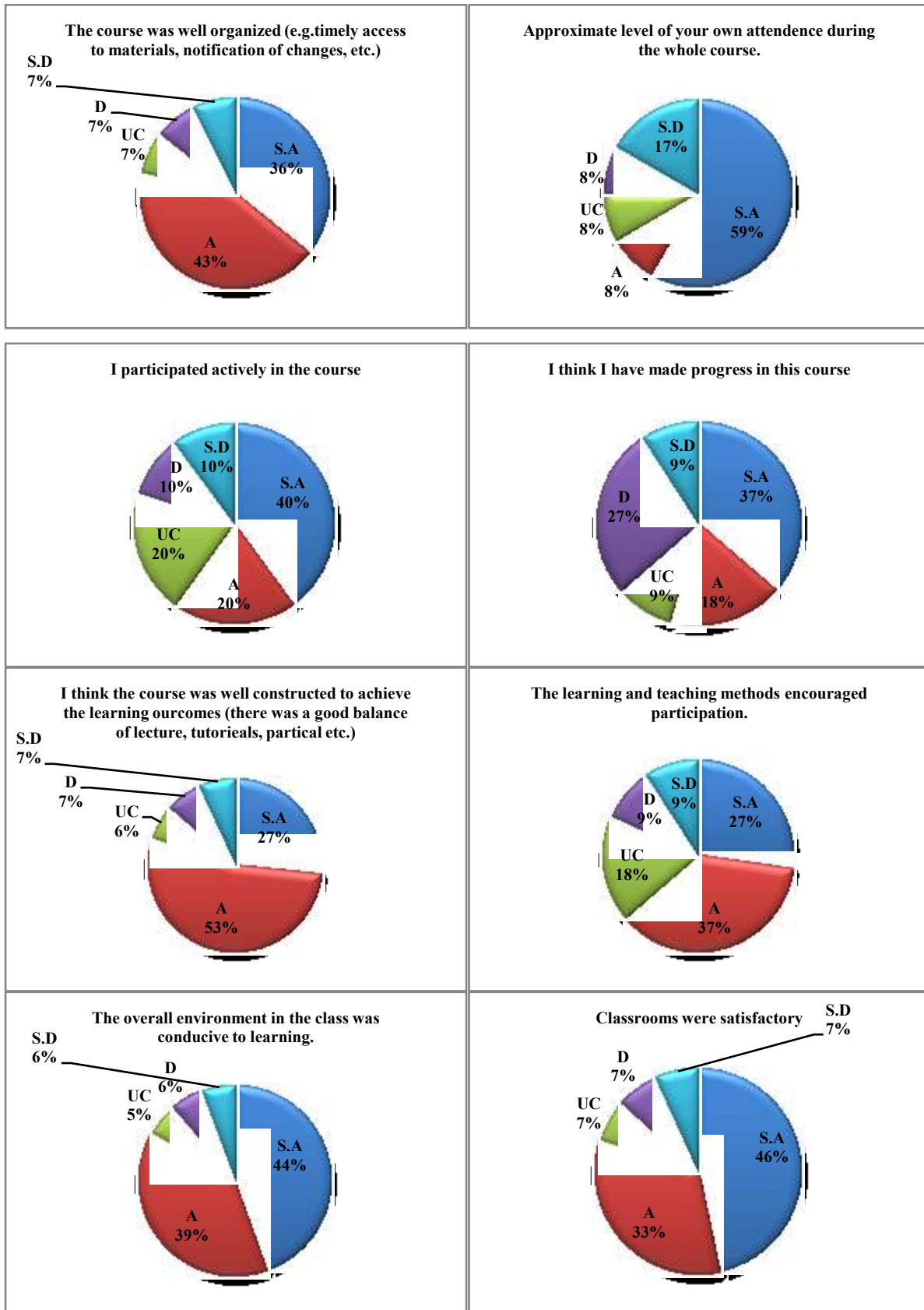
Weakness:

- Inadequate library resources for this course

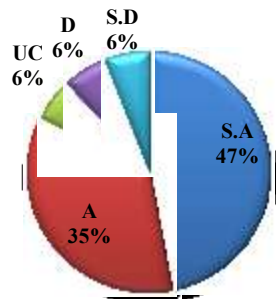
CS-582 (Mr. Syed Mushhad Gillani)

The graph shows the detail of evaluation. The graph for “The course objectives were clear”, shows that 37% are strongly agreed, 36% are agreed, 9% are uncertain, 9% disagreed and 9% are strongly disagreed. The graph for “The course workload was manageable”, shows that 23% are strongly agreed, 54% are agreed, 7% are uncertain, 8% disagreed and 8% are strongly disagreed. The graph for “Classrooms were satisfactory”, shows that 46% are strongly agreed, 33% are agreed, 7% are uncertain, 7% disagreed and 7% are strongly disagreed. The graph for “Feedback on assessment was timely”, shows that 44% are strongly agreed, 39% are agreed, 5% are uncertain, 6% disagreed and 6% are strongly disagreed. The graph for “The tutor dealt effectively with my problems”, shows that 34% are strongly agreed, 33% are agreed, 11% are uncertain, 11% disagreed and 11% are strongly disagreed. The graph for “The materials in practical was useful”, shows that 46% are strongly agreed, 15% are agreed, 8% are uncertain, 23% disagreed and 8% are strongly disagreed. The graph for “Ideas and concepts were presented clearly”, shows that 37% are strongly agreed, 36% are agreed, 9% are uncertain, 9% disagreed and 9% are strongly disagreed.

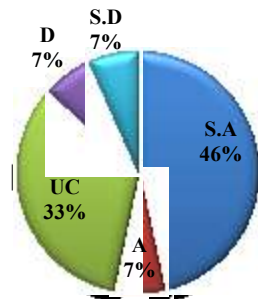




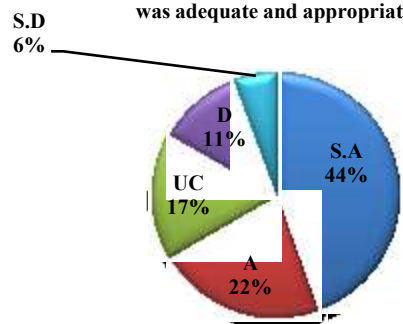
Learning materials (lesson plans, course notes etc.) were relevant and useful.



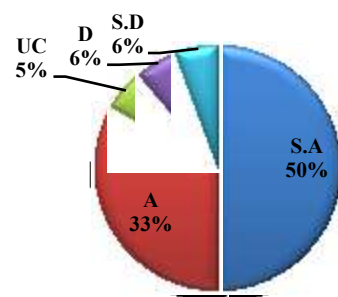
Recommended reading books etc. were relevant and appropriate.



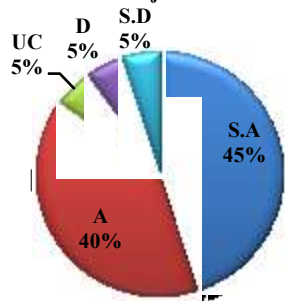
The provision of learning resources in the library was adequate and appropriate.



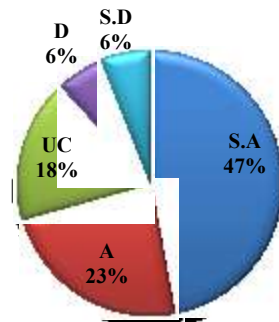
The provision of learning resources on the web was adequate and appropriate. (if relevant)



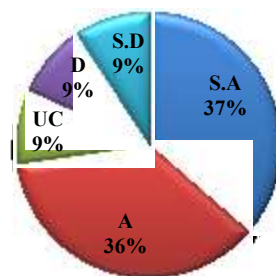
The course stimulated by interest and thought on the subject area.



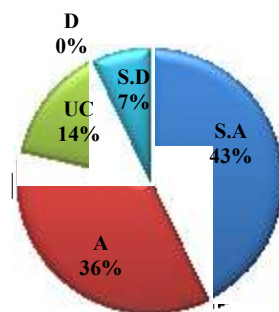
The pace of the course was appropriate



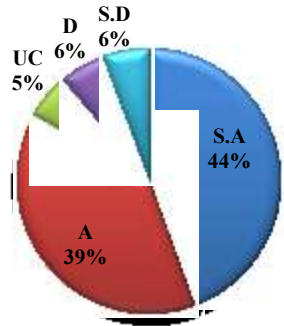
Ideas and concepts were presented clearly



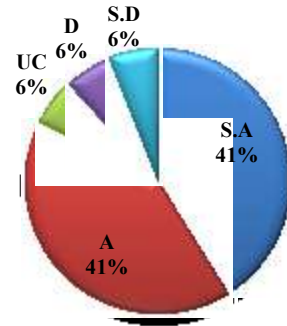
The method of assessment were reasonable



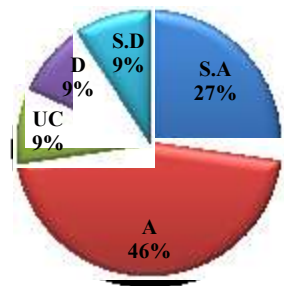
Feedback on assessment was timely



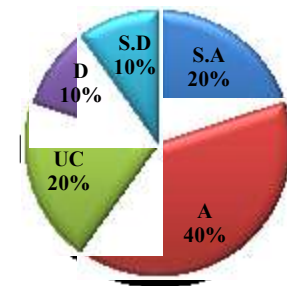
Feedback on assessment was helpful



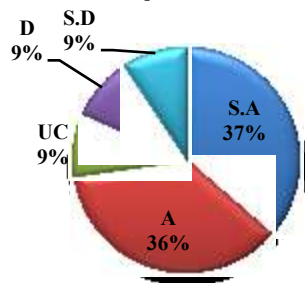
I understood the lectures



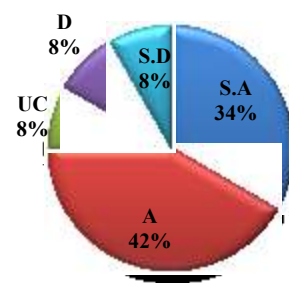
The material was well organized and presented

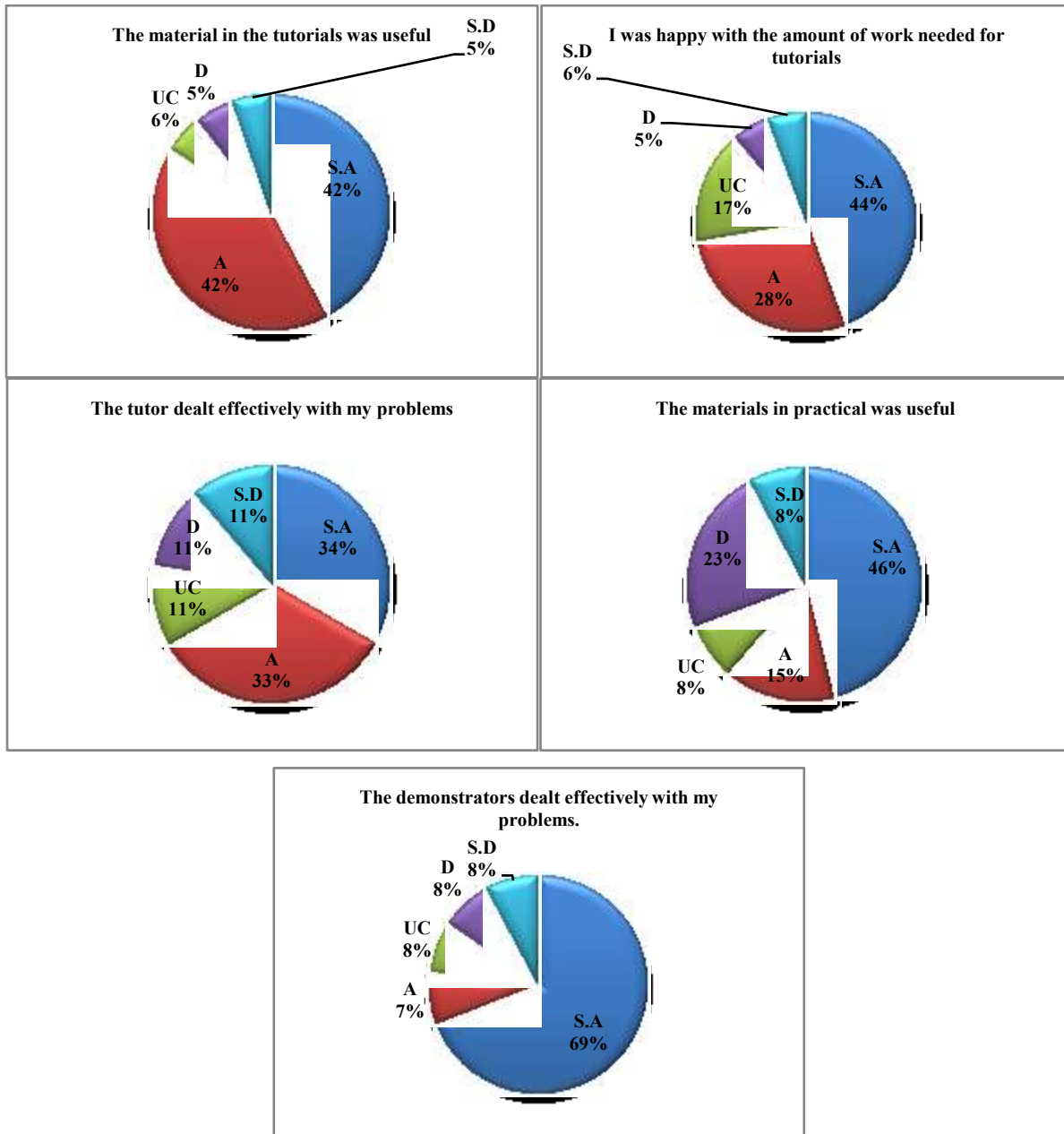


The instructor was responsive to student needs and problems



Had the instructor been regular throughout the course?





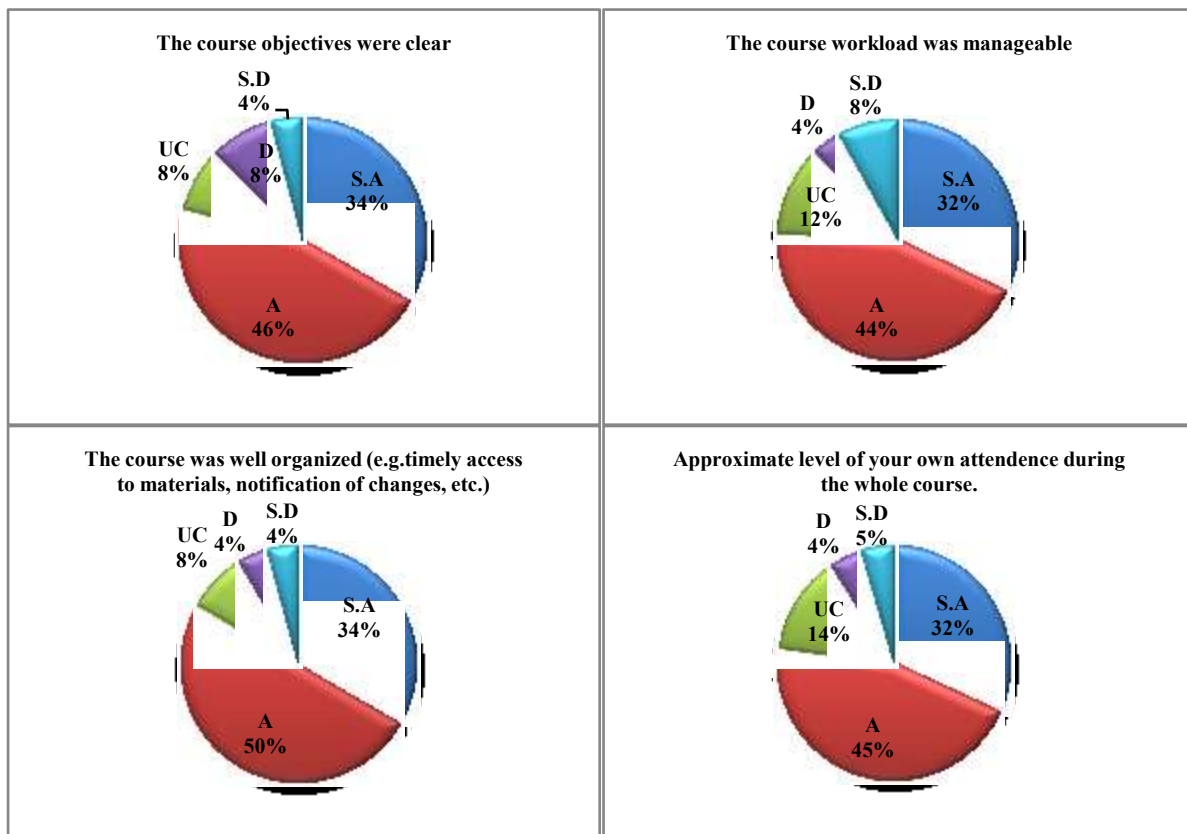
General Comments of the Students about this Course

Strengths

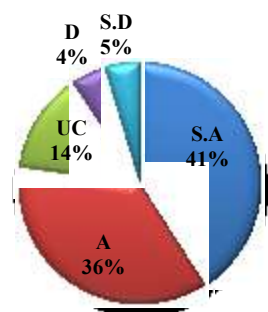
- The course was informative and interesting.
- The course was relevant to the field.

CS-432 (Mr. Naeem ur Rehman)

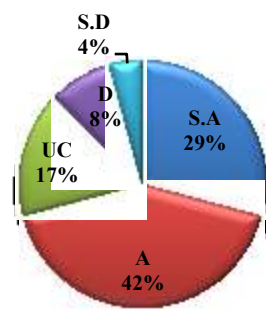
The graph shows the details of the evaluation. The graph “The course objective were clear” indicates this. (34% strongly agreed, 46% agreed, 8% are uncertain, 8% disagreed and 4% strongly disagree). The instructor also provides additional study material apart from the text to students. The graph “The course workload was manageable “ reflects this. (32% strongly agreed, 44% agreed, 12% are uncertain, 4% disagreed and 8% strongly disagree). This can be seen in the graph “The course is well organized”. (34% strongly agreed, 50% agreed, 8% are uncertain, 4% disagree and 4% strongly disagree). “The material in the tutorial was useful” 28% strongly agree 44% agreed, 12% are uncertain, 8% disagreed and 8% strongly disagree). “The feedback on assessment was timely. (27% strongly agreed, 36% agreed, 23% are uncertain, 9% disagreed and 5% strongly disagree). “ The pace of the course was appropriate “. (26% strongly agreed, 48% agreed, 7% are uncertain, 6% disagreed and 6% strongly disagree).” The instructor had made progress in this course “. (29% strongly agreed, 42% agreed, 17% are uncertain, 8% disagreed and 4% strongly disagree).



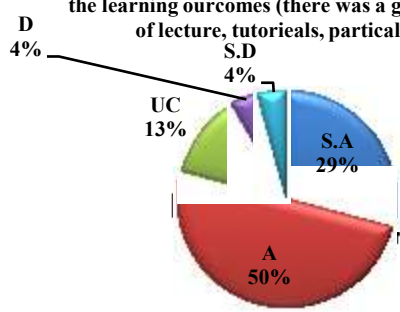
I participated actively in the course



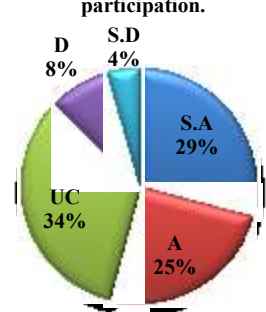
I think I have made progress in this course



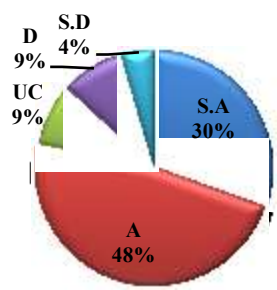
I think the course was well constructed to achieve the learning outcomes (there was a good balance of lecture, tutorials, practical etc.)



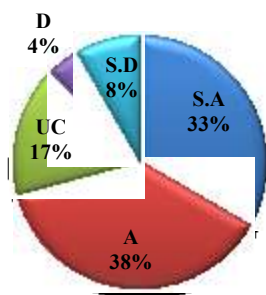
The learning and teaching methods encouraged participation.



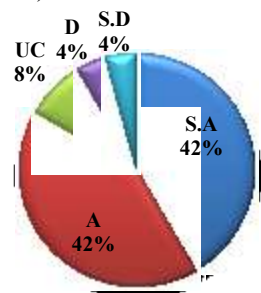
The overall environment in the class was conducive to learning.



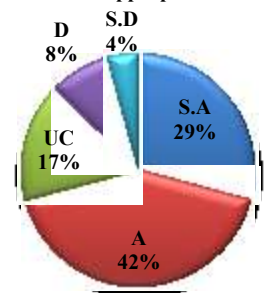
Classrooms were satisfactory

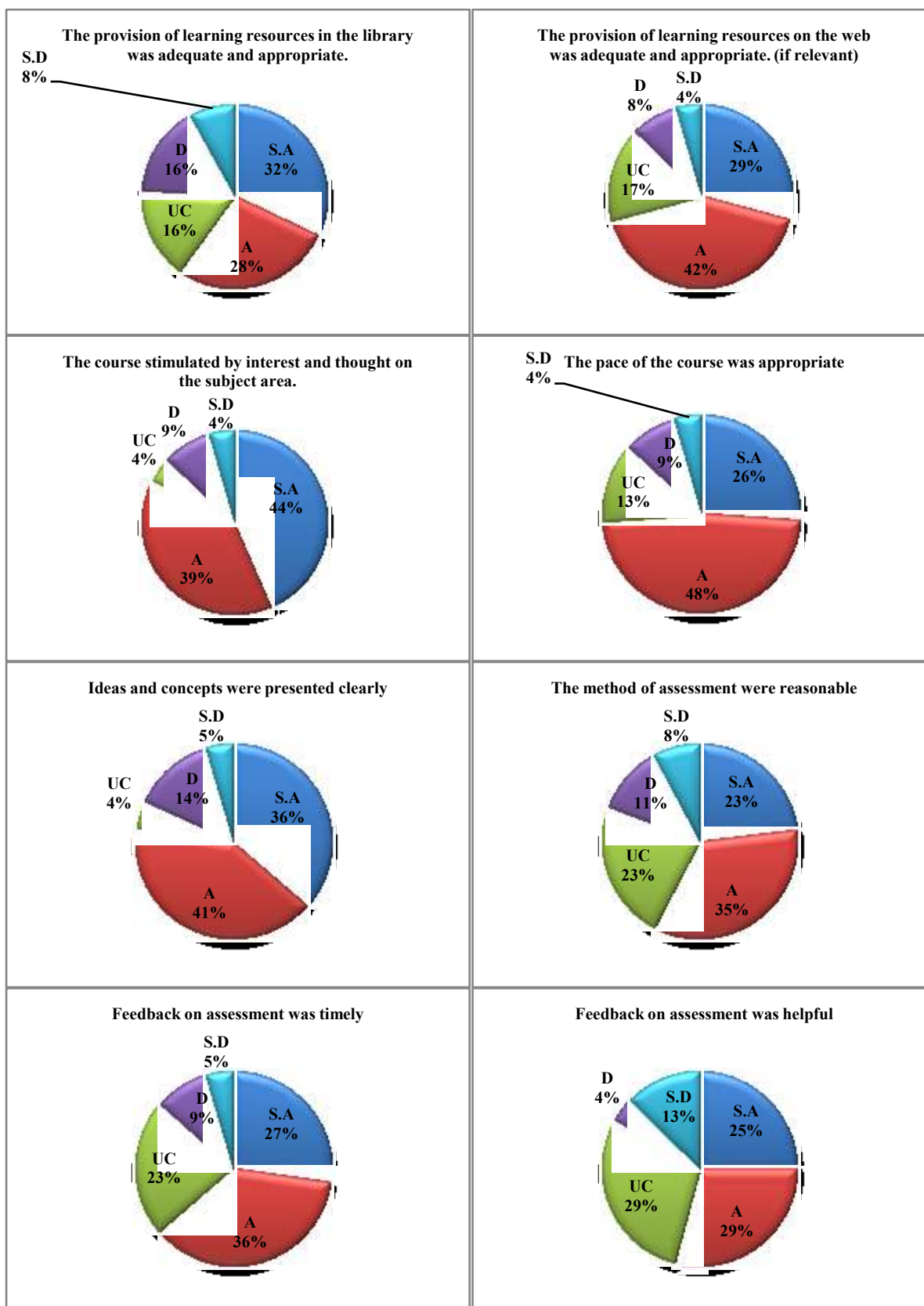


Learning materials (lesson plans, course notes etc.) were relevant and useful.

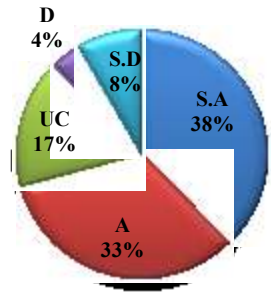


Recommended reading books etc. were relevant and appropriate.

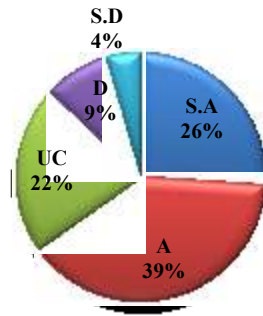




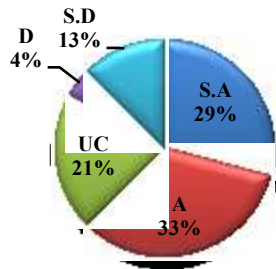
I understood the lectures



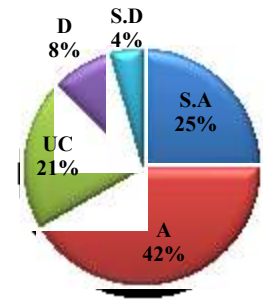
The material was well organized and presented



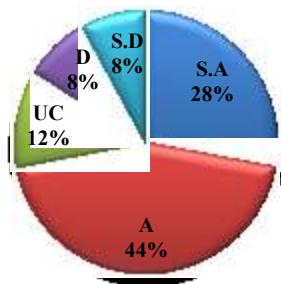
The instructor was responsive to student needs and problems



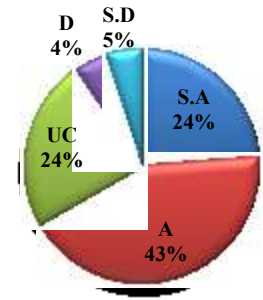
Had the instructor been regular throughout the course?

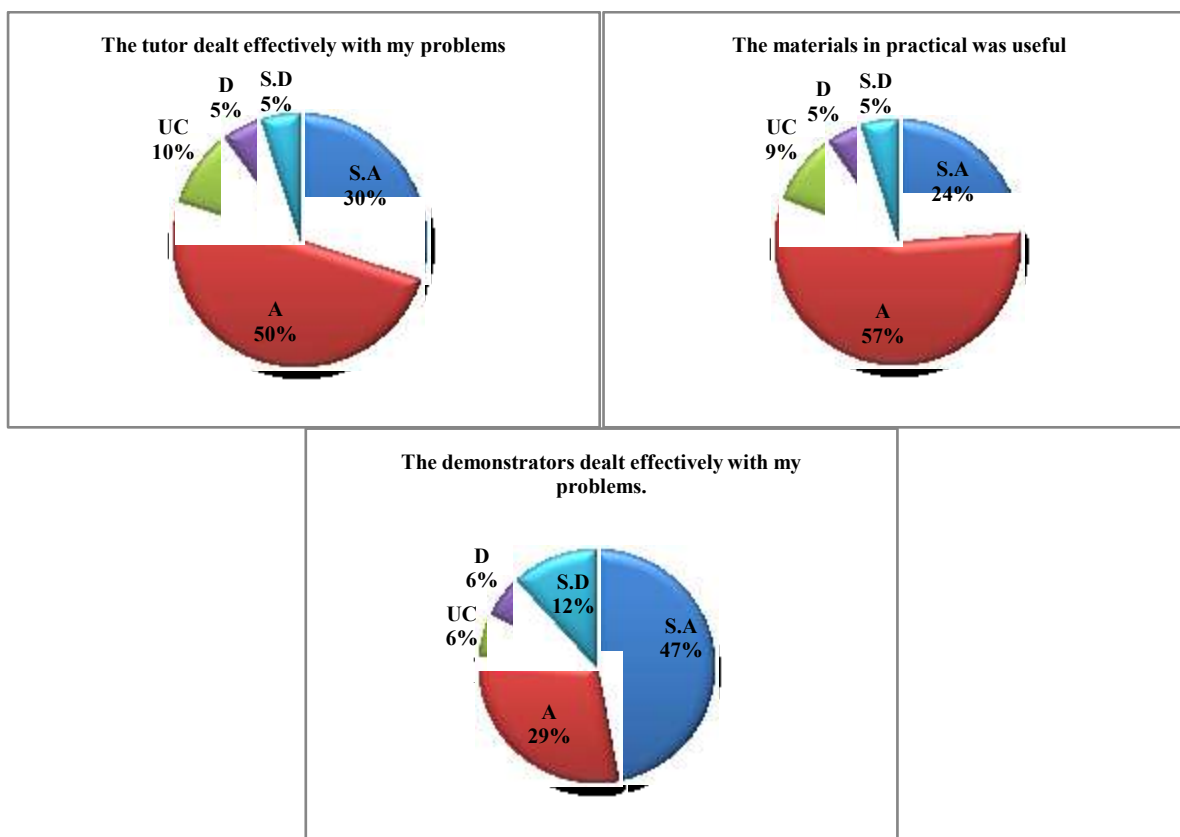


The material in the tutorials was useful



I was happy with the amount of work needed for tutorials





General Comments of Students about this course

Strengths:

- Good teaching method
- Practical material was helpful

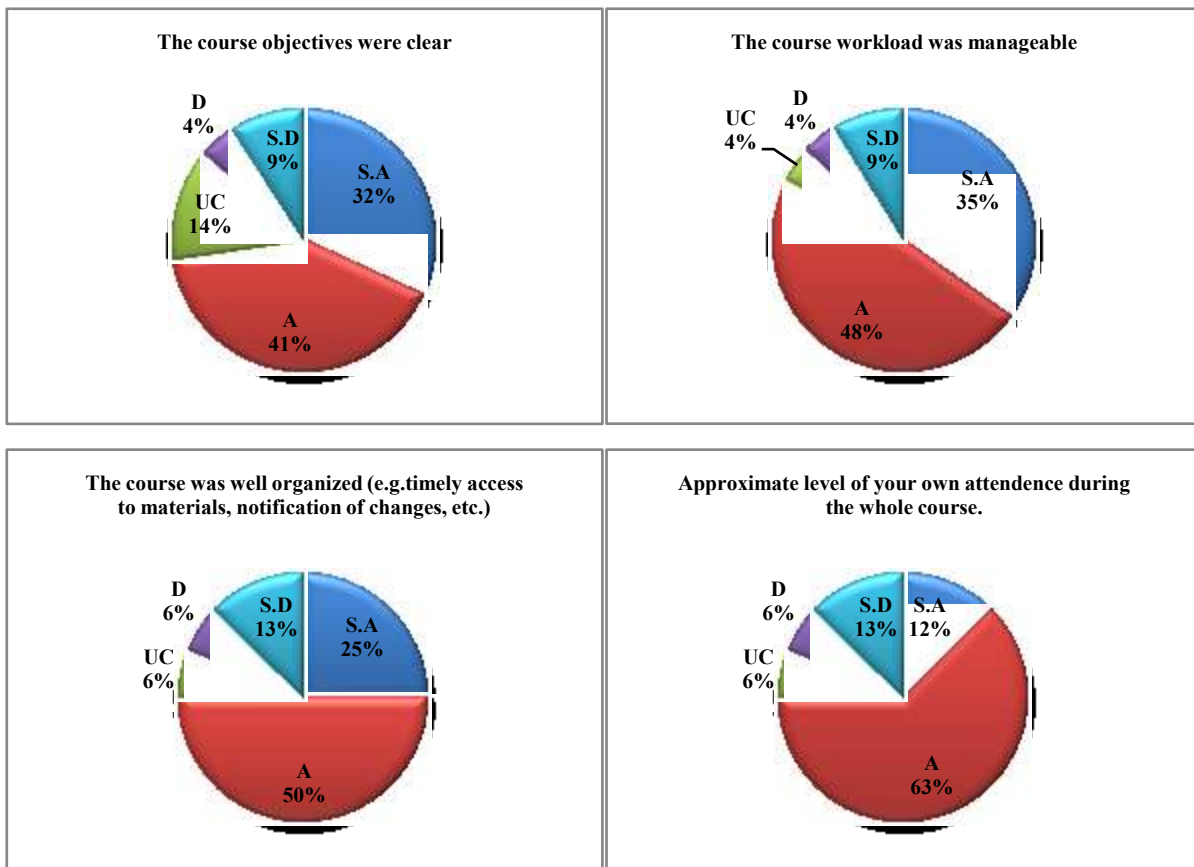
Weakness:

- Objectives should be clear.
- Inadequate library resources for this course
- In time feedback required.

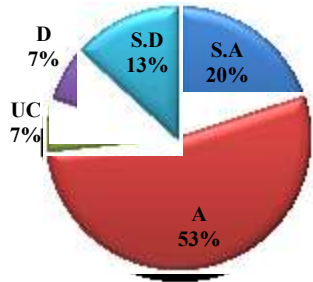
CS-423 (Shehzad Saqib)

The graph shows the detail of evaluation. The graph for “The course objectives were clear”, shows that 32% are strongly agreed, 41% are agreed, 14% are uncertain, 4% disagreed and 9% are strongly disagreed. The graph for “The course workload was manageable”, shows that 35% are strongly agreed, 48% are agreed, 4% are uncertain, 4% disagreed and 9% are strongly disagreed. The graph for “Classrooms were satisfactory”, shows that 28% are strongly agreed, 28% are agreed, 28% are uncertain, 5% disagreed and 11% are strongly disagreed. The graph for

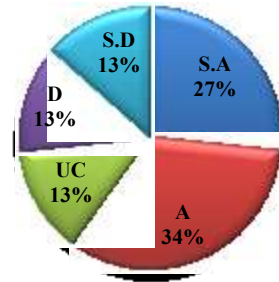
“Feedback on assessment was timely”, shows that 25% are strongly agreed, 35% are agreed, 10% are uncertain, 15% disagreed and 15% are strongly disagreed. The graph for “The tutor dealt effectively with my problems”, shows that 44% are strongly agreed, 22% are agreed, 6% are uncertain, 17% disagreed and 11% are strongly disagreed. The graph for “The materials in practical was useful”, shows that 17% are strongly agreed, 41% are agreed, 8% are uncertain, 17% disagreed and 17% are strongly disagreed. The graph for “Ideas and concepts were presented clearly”, shows that 26% are strongly agreed, 37% are agreed, 10% are uncertain, 11% disagreed and 16% are strongly disagreed.



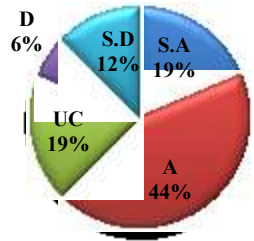
I participated actively in the course



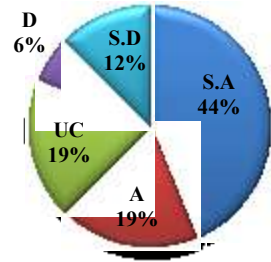
I think I have made progress in this course



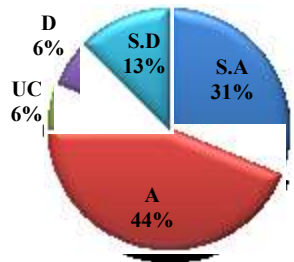
I think the course was well constructed to achieve the learning ourcomes (there was a good balance of lecture, tutorials, partical etc.)



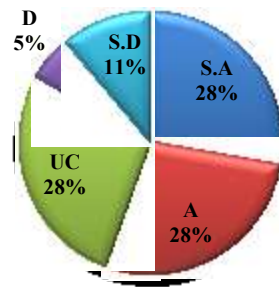
The learning and teaching methods encouraged participation.



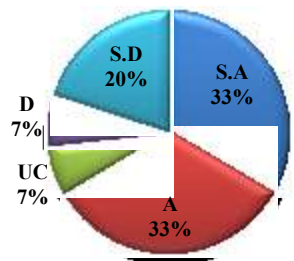
The overall environment in the class was conducive to learning.



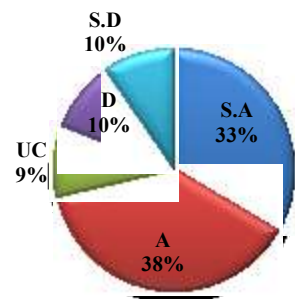
Classrooms were satisfactory



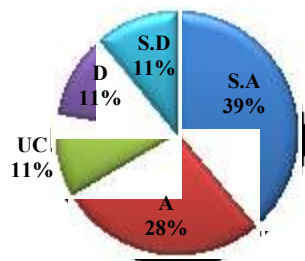
Learning materials (lesson plans, course notes etc.) were relevant and useful.



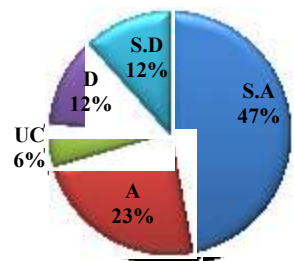
Recommended reading books etc. were relevant and appropriate.



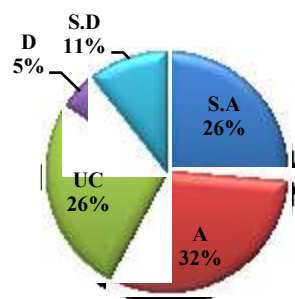
The provision of learning resources in the library was adequate and appropriate.



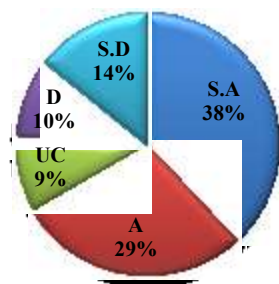
The provision of learning resources on the web was adequate and appropriate. (if relevant)



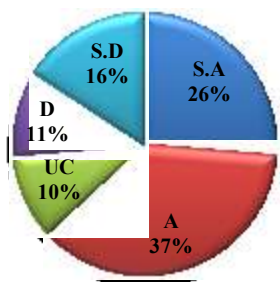
The course stimulated by interest and thought on the subject area.



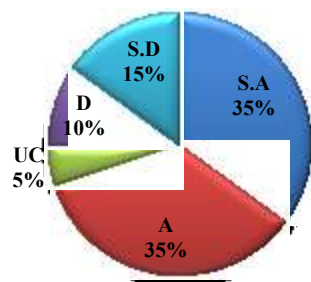
The pace of the course was appropriate



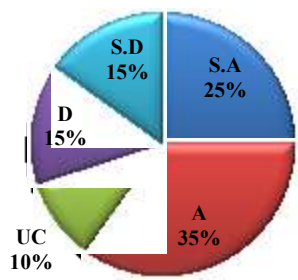
Ideas and concepts were presented clearly



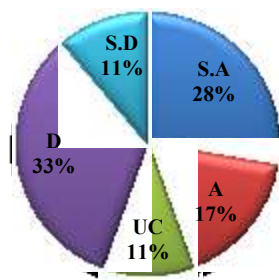
The method of assessment were reasonable



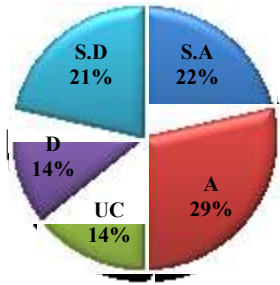
Feedback on assessment was timely



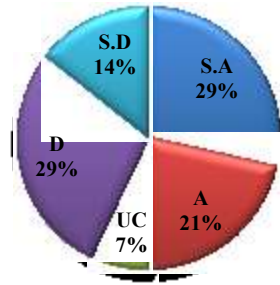
Feedback on assessment was helpful



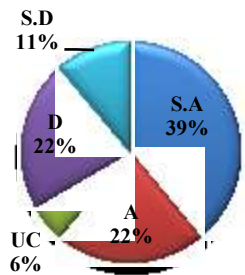
I understood the lectures



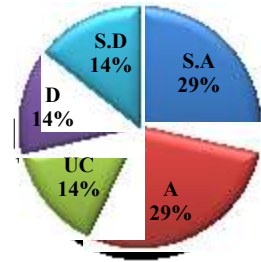
The material was well organized and presented



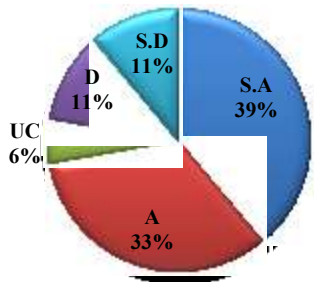
The instructor was responsive to student needs and problems



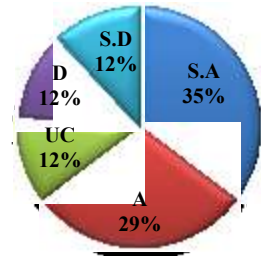
Had the instructor been regular throughout the course?



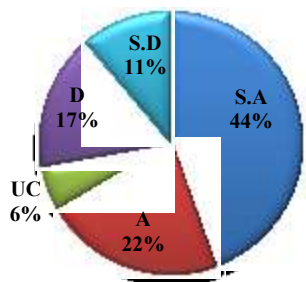
The material in the tutorials was useful



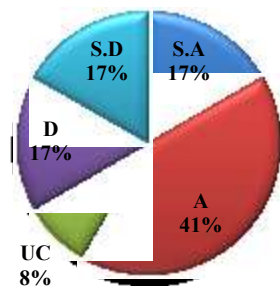
I was happy with the amount of work needed for tutorials

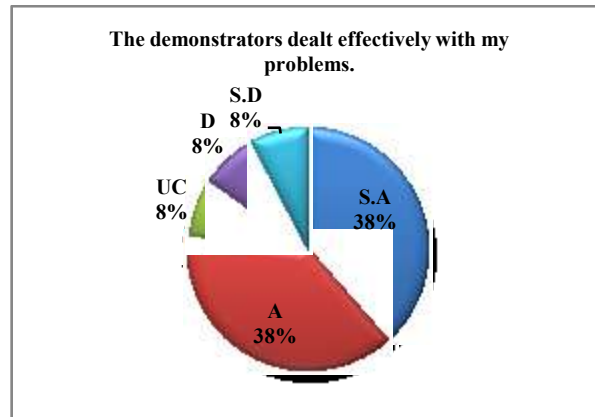


The tutor dealt effectively with my problems



The materials in practical was useful





General Comments of the Students about this Course

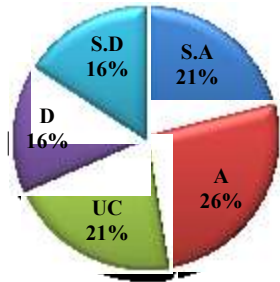
Weaknesses:

- The course should be upgraded and updated.
- Feedback on assessment was not timely.
- Proper materials were not available for practical demonstration.

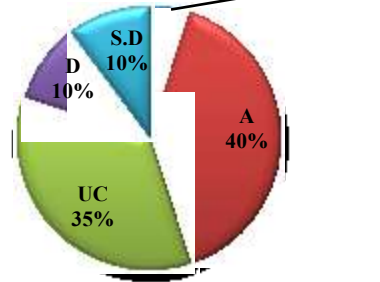
CS-632 (Shehzad Saqib)

The graph shows the details of the evaluation. The pace of the course was excellent as shown in the graph “The pace of the course was appropriate”, 32% strongly agreed, 47% agreed, 5% are uncertain, 5% disagreed and 11% strongly disagree. The course stimulated interest and thought in the students for this course. The graph “The course stimulated interest and thought on the subject area”, 33% strongly agreed, 40% agreed, 10% are uncertain, 5% disagreed and 10% strongly disagree. The instructor recommended relevant and appropriate reading material for this course. The graph “Recommended reading materials were relevant and appropriate” reflects this, 41% strongly agreed, 44% agreed, 7% are uncertain, 4% disagreed and 4% strongly disagree. The instructor proved to be very helping. The graph “The instructor was responsive to student needs and problems indicate this, 46% strongly agreed, 39% agreed, 7% are uncertain, 4% disagreed and 4% strongly disagree. The teacher has managed the course workload very well. The graph “The Course workload was manageable ” show this, 52% strongly agreed, 33% agreed, 4% are uncertain, 7% disagreed and 4% strongly disagree.

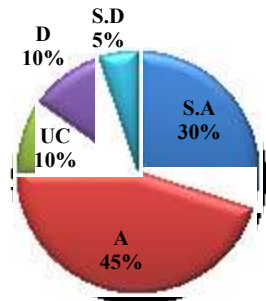
The course objectives were clear



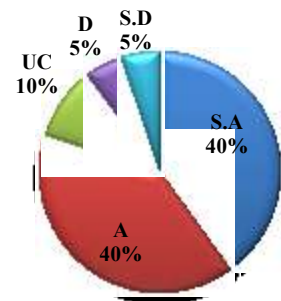
The course workload was manageable



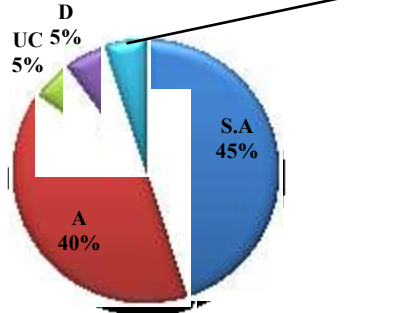
The course was well organized (e.g.timely access to materials, notification of changes, etc.)



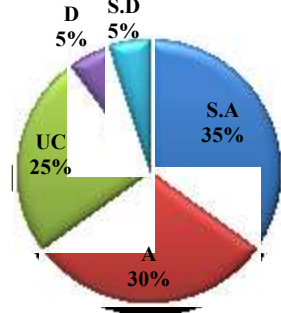
Approximate level of your own attendance during the whole course.



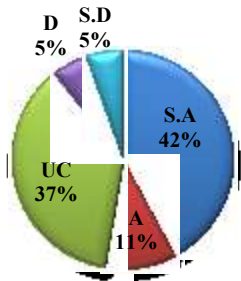
I participated actively in the course



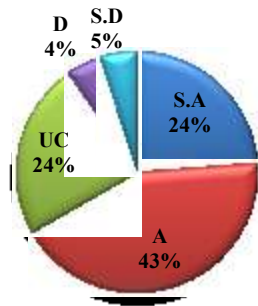
I think I have made progress in this course



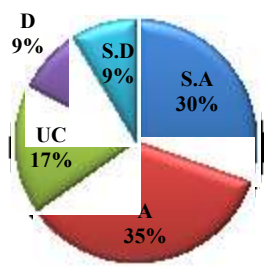
I think the course was well constructed to achieve the learning ourcomes (there was a good balance of lecture, tutorials, partical etc.)



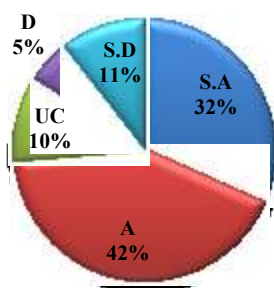
The learning and teaching methods encouraged participation.



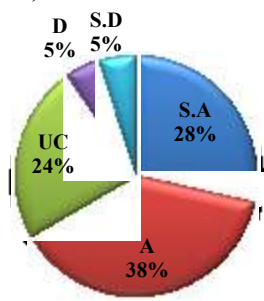
The overall environment in the class was conducive to learning.



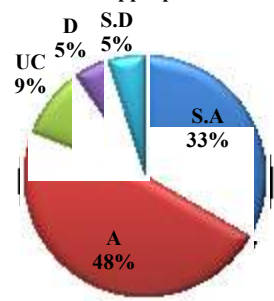
Classrooms were satisfactory



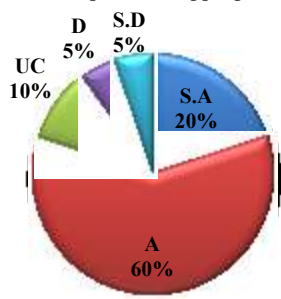
Learning materials (lesson plans, course notes etc.) were relevant and useful.



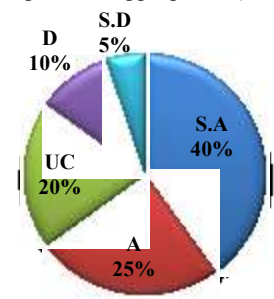
Recommended reading books etc. were relevant and appropriate.



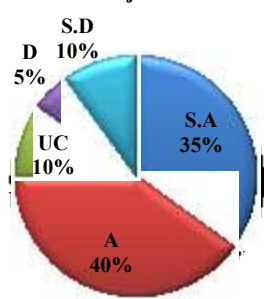
The provision of learning resources in the library was adequate and appropriate.



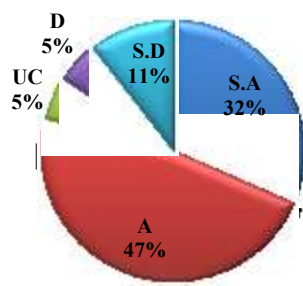
The provision of learning resources on the web was adequate and appropriate. (if relevant)

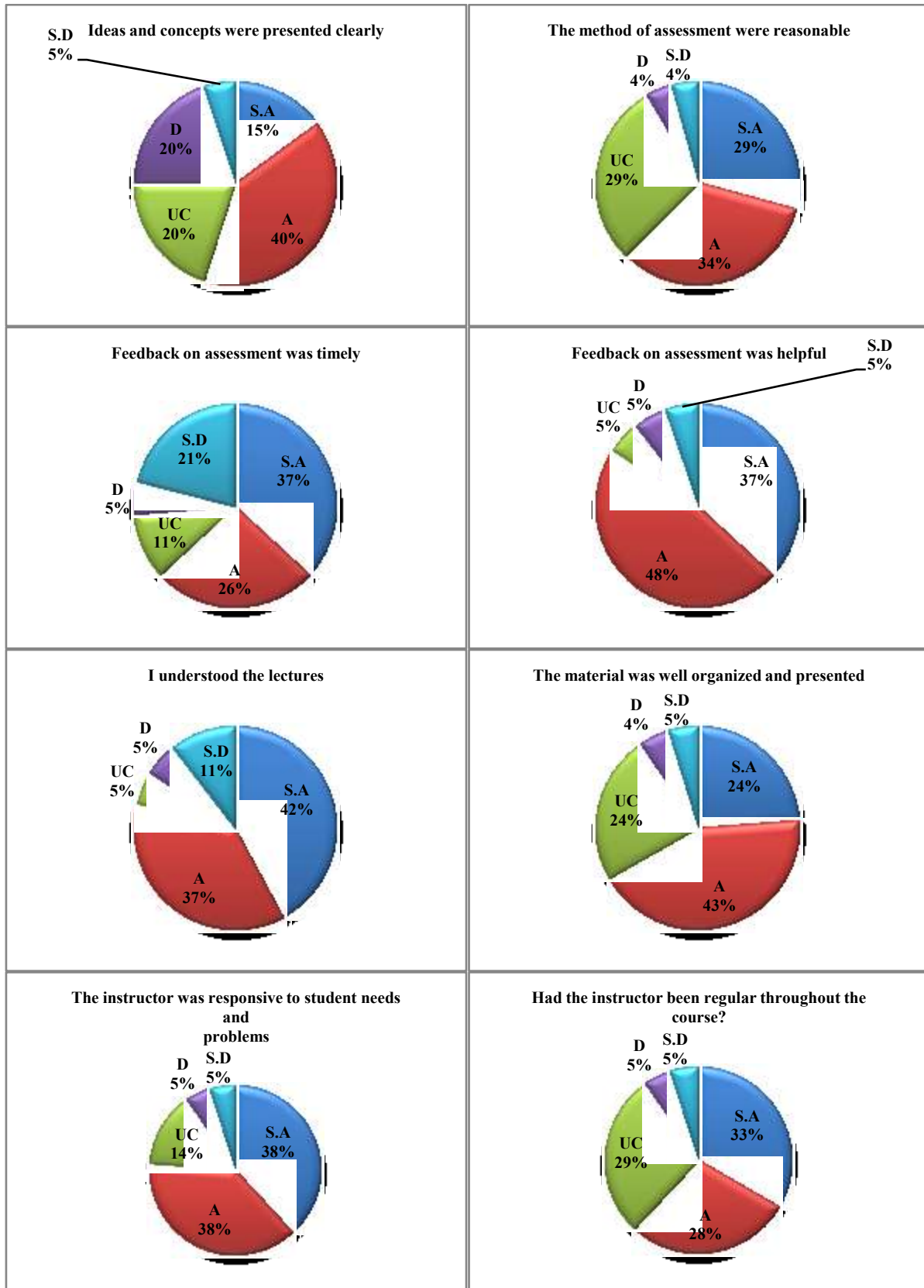


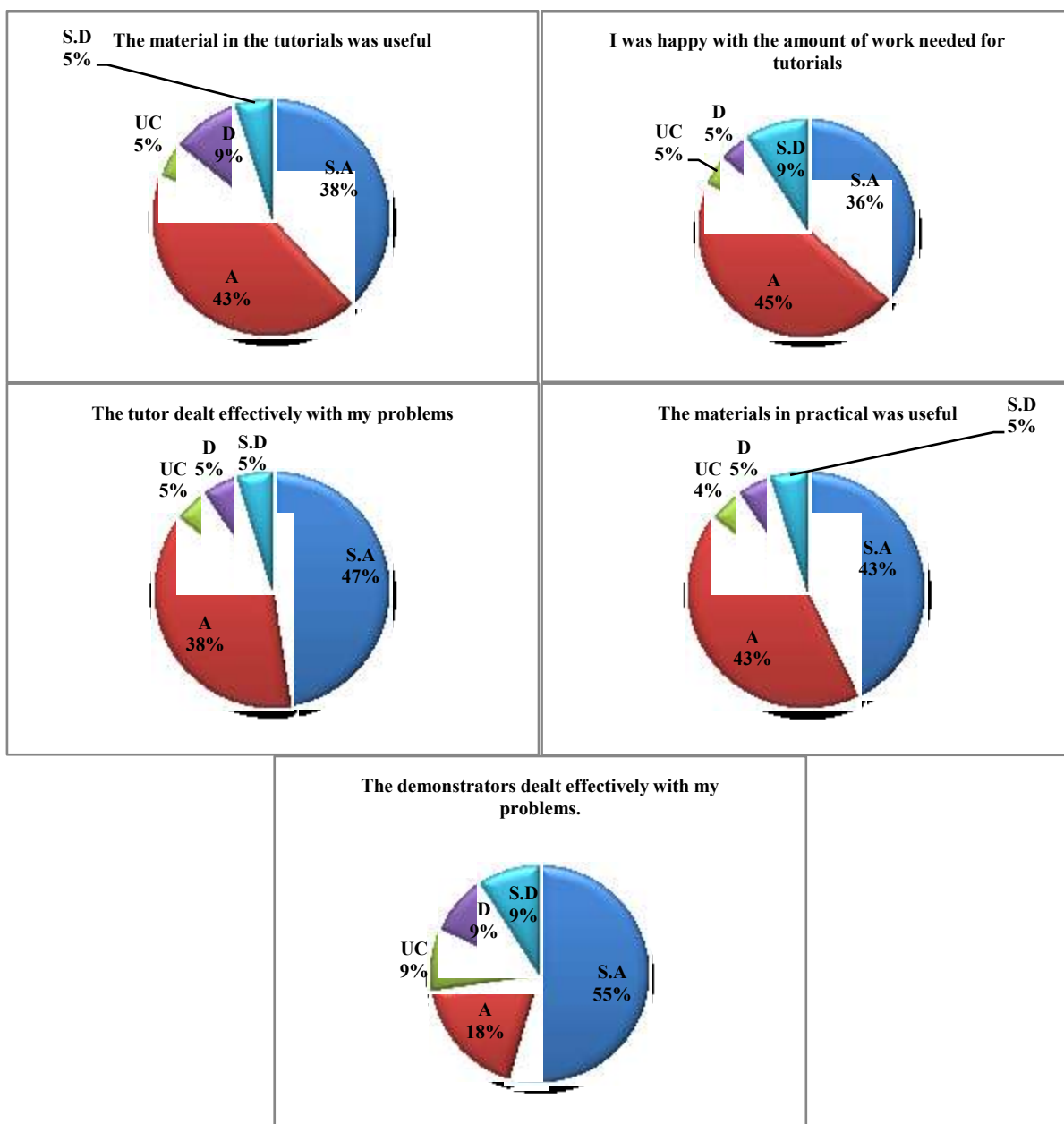
The course stimulated by interest and thought on the subject area.



The pace of the course was appropriate







General Comments of Students about this course

Strengths:

- Well prepared for lectures.
- Answer the questions in good way.

Weaknesses:

- More use of white board.
- More reference material should be provided.

Alumni Survey Results

The students after BS CS usually join organizations like software house, adopt higher education and then came to the research field. So Performa 7 was sent to the organizations and universities and feedback was collected.

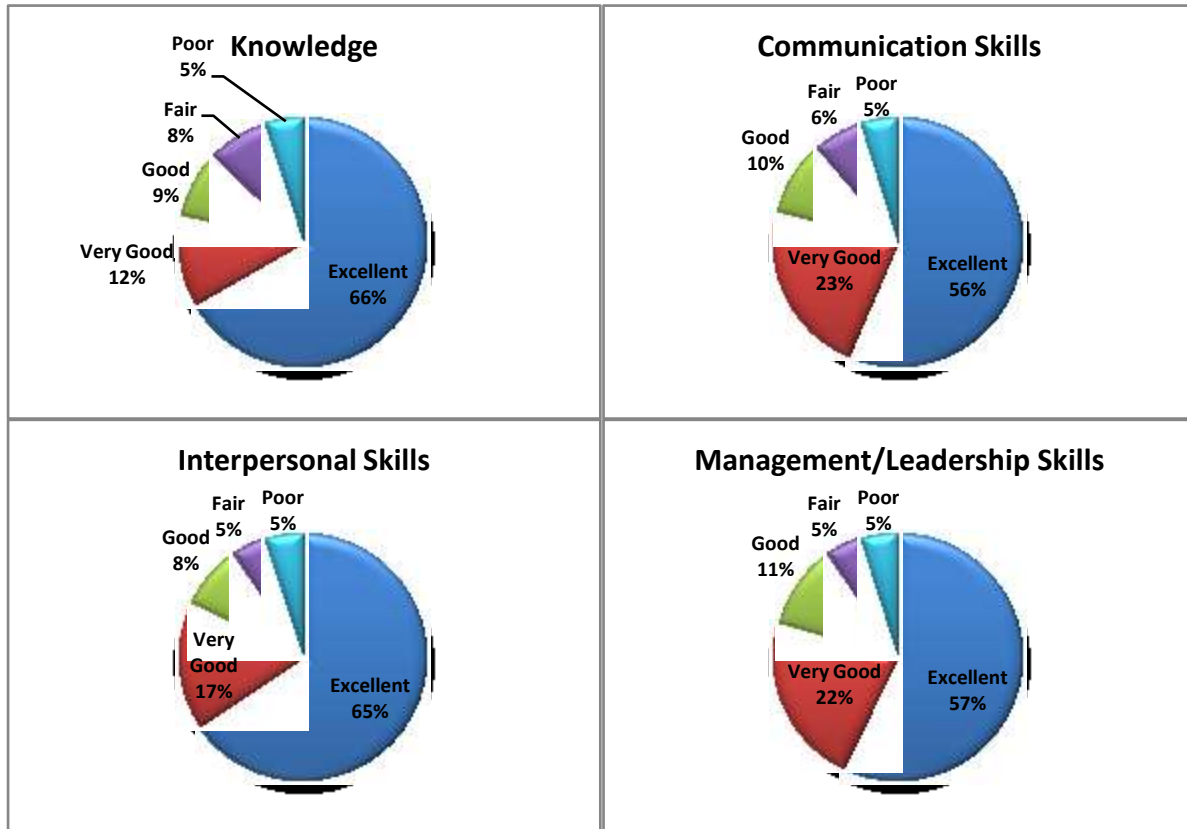


Figure 3: Result of Alumni Survey

The 66% alumni are of the view that BS CS graduates have excellent knowledge, 12% are of the view that they have very good knowledge, 9% view that knowledge is good, 8% are of the view that their knowledge is fair and only 5% are of the view that their knowledge is poor. The graph regarding communication skills shows that 56% are excellent, 23% are very good, 10% are good, 6% are fair and 5% are poor. According to the interpersonal skills graph, 65% are excellent, 17% are very good, 8% are good, 5% are fair and 5% are poor. The graph of management/ leadership skills shows that 57% are excellent, 22% are very good, 11% are good, 5% are fair and 5% are poor. The detail graphs of individual parameters are given below.

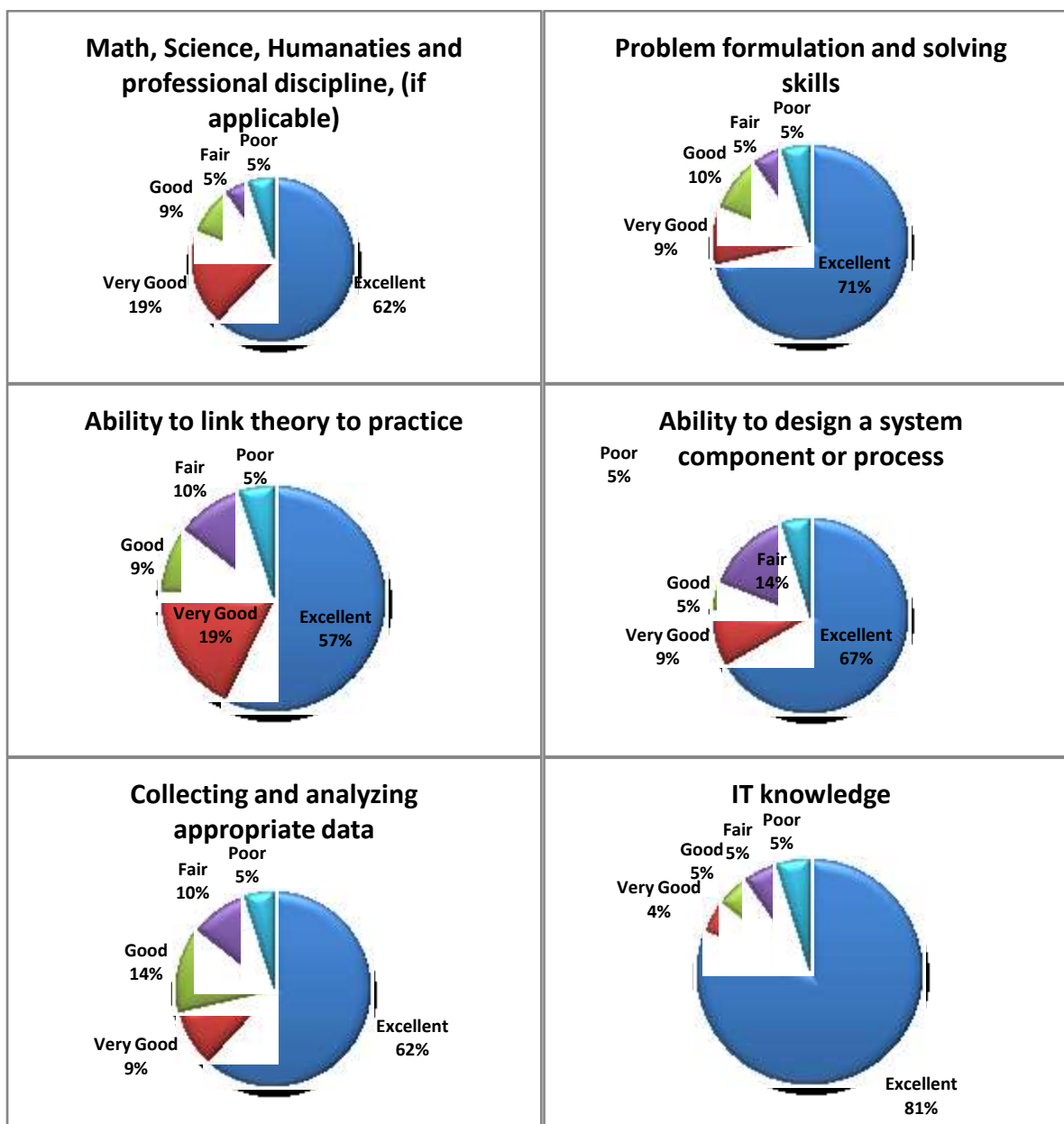


Figure 4: Knowledge

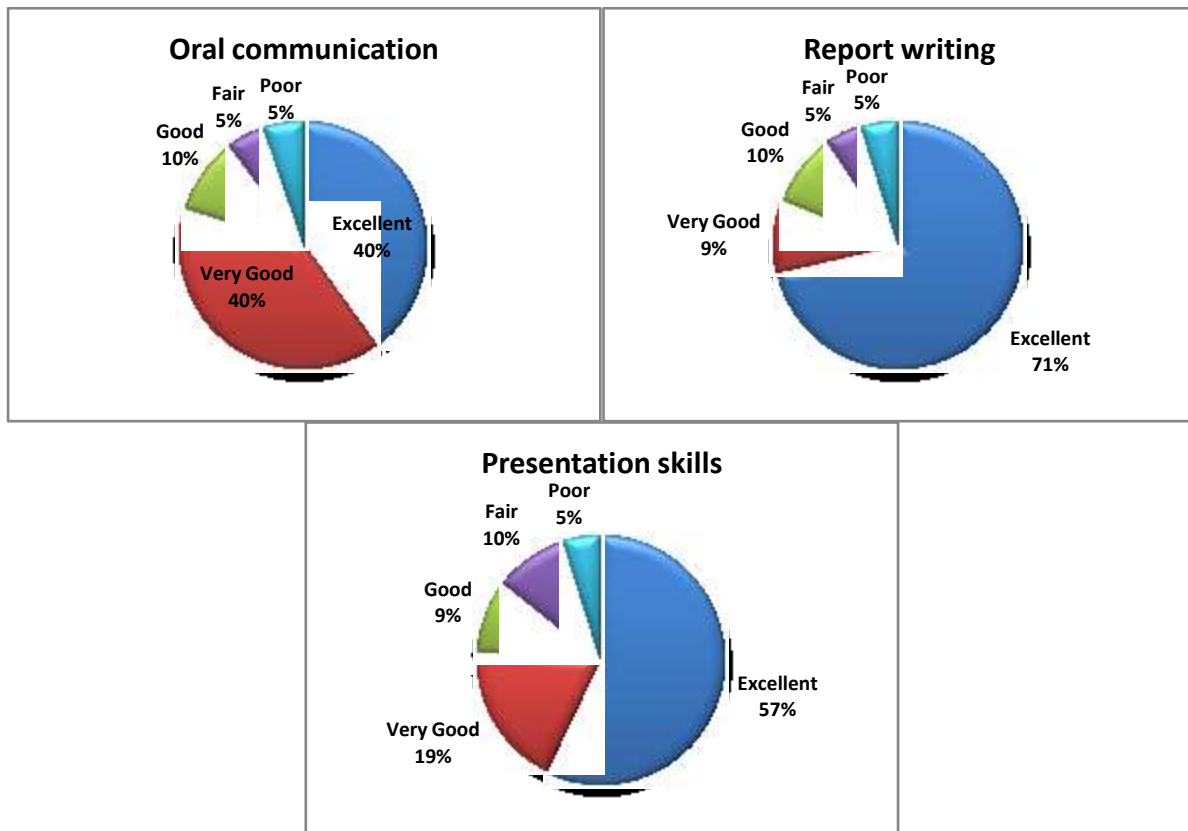


Figure 5: Communication Skills

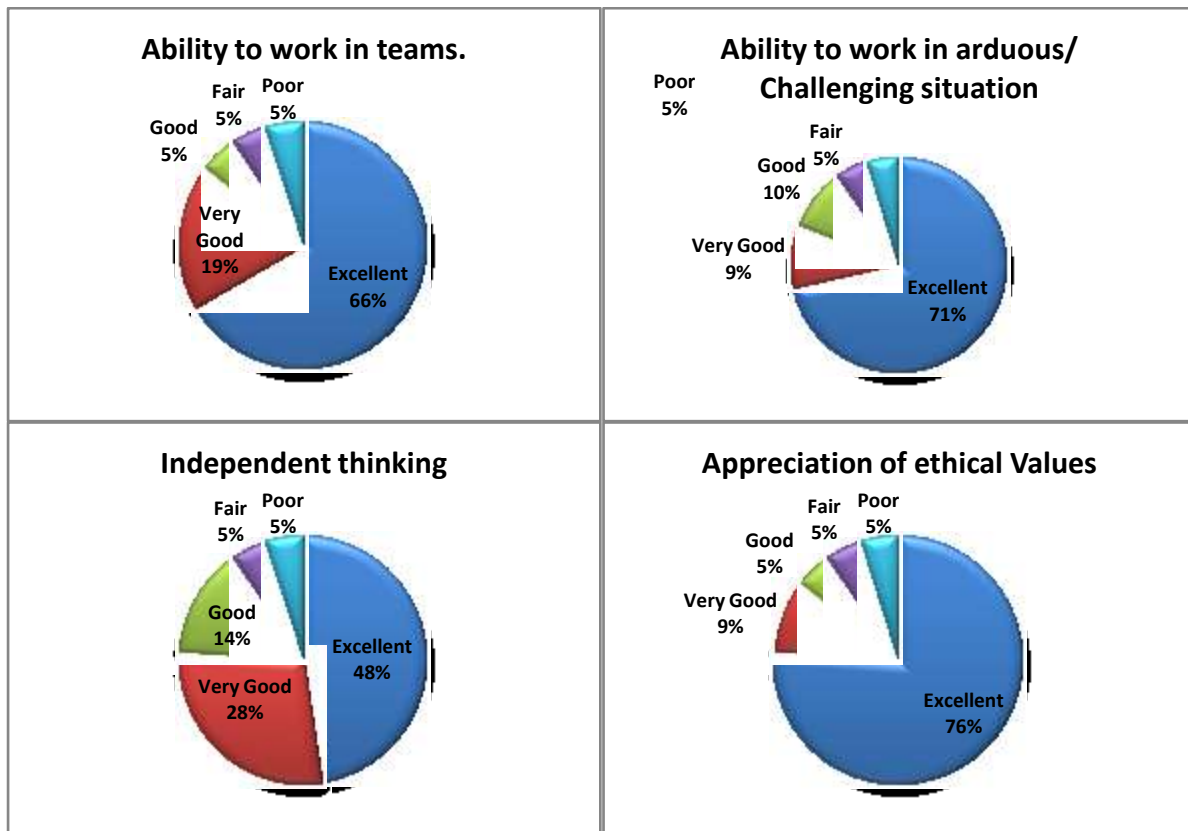


Figure 6: Interpersonal Skills

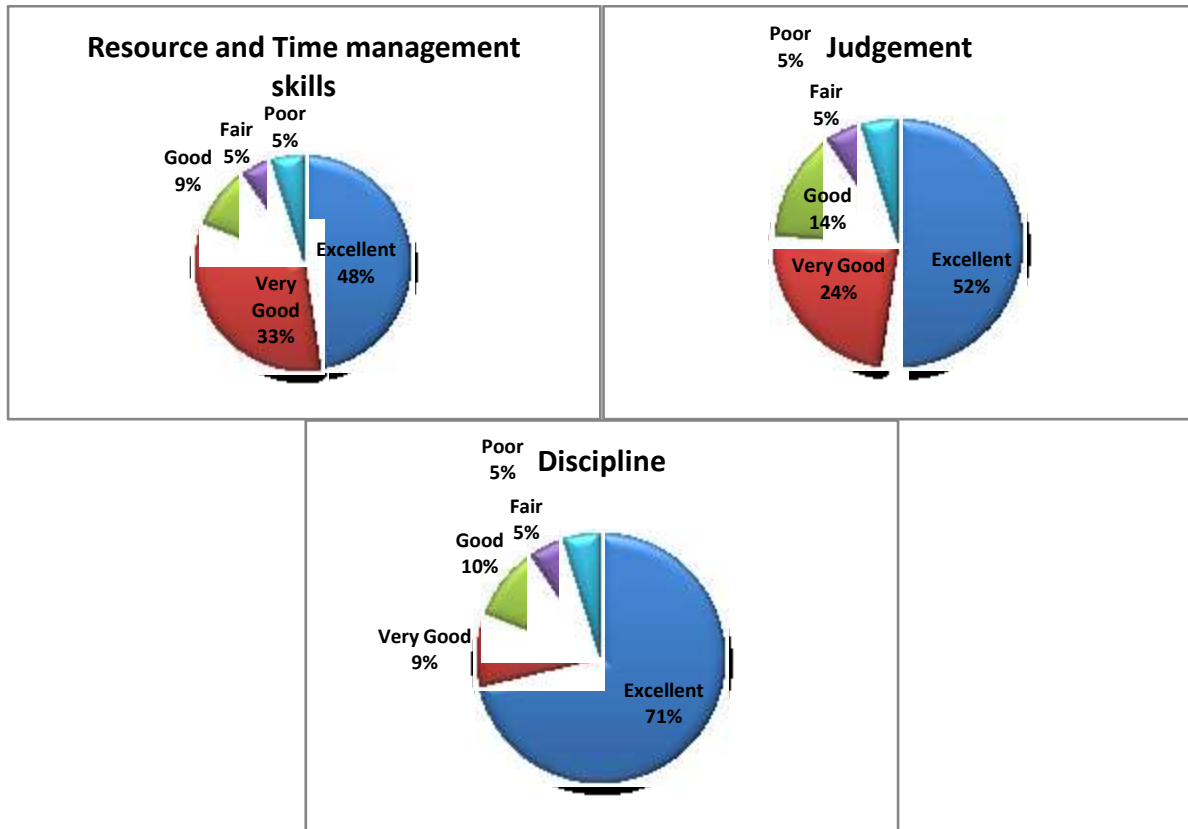


Figure 7: Management and Leadership Skills

Skills of Students as BS CS graduates

The students are equipped with latest technologies to work in a software house and to continue further studies in the field of computer science. The students also have knowledge to conduct research in the field of computer science. The students have adequate knowledge to teach in any academic institute.

Survey of Graduating Students

A survey is conducted for the students of last semester and feedback is collected on Performa 3. The results are summarized. A set of questions is present in the Performa 3. The graph from the summarized results shows that 41% students are very satisfied from the program, 33% are satisfied, 11% are uncertain, 10% are dissatisfied and 5% are very dissatisfied.

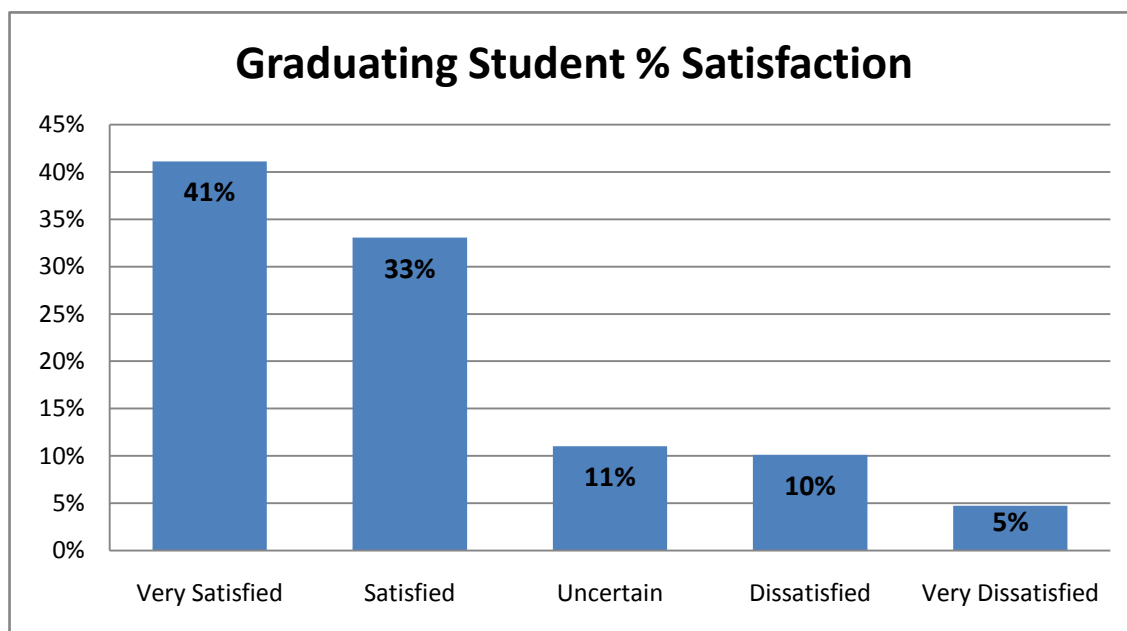


Figure 8: Survey of Graduating Students

Best Aspects of the Program:

- Qualified faculty
- Director helpful and address the student's problem on time
- Introduction to the new technologies
- Much focus on the theoretical concepts which help to continue further studies.

Weaknesses:

- Less number of faculty members
- More lab time should be provided which should be independent of the timetable so that students can work what work they want to do.
- More electives should be included.

Standard 1-3: The results of the program's assessment and the extent to which they are used to improve the program must be documented.

Strengths of Program/Institute

The course curriculum is well designed and updated. The institute has hired new faculty members to meet the needs of the students. The curriculum needs to be updated.

Weakness of Program/Institute

The weaknesses in the program are, there should be less independence on the visiting faculty. Although the institute has hired new faculty but still it is less according to the requirements. There should be some sitting place on the campus in extreme summer weather.

Standard 1-4: The institute must assess its overall performance periodically using quantifiable measures.

As the BS CS program is not a research oriented program, but at MS levels, students along with the faculty have published their research papers in the leading research Conferences and Journals. The detail is present in the faculty resume. At BS CS levels, such topics are covered which are related to the latest trends so that students can have knowledge of the research fields and final degree projects are preferred to be the implementation of some latest existing research work.

Community Service provided by the institutes:

Although right now there is no such mechanism to provide technical support to the local community but UIIT faculty was actively involved in establishing the lab in schools in remote areas under the Chief Minister Punjab program.

The institute has a plan to establish a wing which will provide support to different organization which is helping local community free of cost.

Table 3: Performance measures for research activities

Faculty	Publications in Journals	Publications in proceedings/abstracts	Research Projects
Dr. Sohail Asghar	9	20	4
Ms. Aisha Umair	-	-	-

Mr. Syed Mushadd Gillani	-	6	-
Ms. Bushra Hamid	-	2	-
Mr. Yasir Hafeez	-	6	1
Mr. Nasir Mehmood Minhas	1	8	
Ms. Fakhra Mushtaq			
Mr. Muhammad Azeem Abbas	-	-	-
Ms. Rubina Ghazal	-	-	-
Mr. Muhammad Shabbir Hassan	1	3	1
Mr. Shahzad Saqib	-	-	-

Future Plans

The Management of UIIT has planned a number of research studies and practical work in future deal with the issues of computer science and information technology as according to the requirement of HEC

Table 4: Quantitative assessment of the department

Sr. #	Particular	No.	Remarks
I	BSCS degree awarded	138	For the year 2010 and 2011
II	MS (CS) degree awarded	45	For the year 2010 and 2011
III	Ph.D. degree awarded	-	--
Iv	Post-Doc fellowship	-	--
V	Students: Faculty ratio	-	1 : 35
VI	Technical: Nontechnical Ratio	-	1 : 20

Employer Survey

A survey has been conducted and feedback has been collected on Performa 8 from the employees where students have a BS CS degree from UIIT are working. The results are summarized in the figure given below.

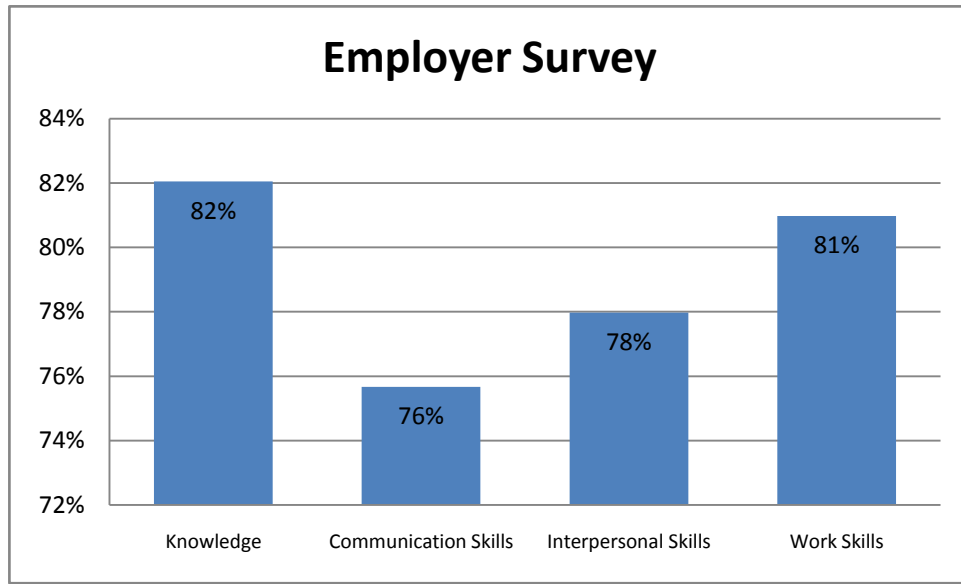


Figure 9: Employer Survey for Determining the Student's Skill Level

The graph shows the employers view regarding the students. The 82% students have enough knowledge regarding their field. The 76% have communication skills to communicate with the people of their own field. The 78% students have Interpersonal skills and 81% students have work skills related to the field. All the employer was of the view that the students have potential and they can be more productive.

CRITERIAN 2: CURRICULUM DESIGN AND ORGANIZATION

Degree Title: BS (CS) Bachelors of Sciences in Computer Science

Intent:

All the courses for degree program are developed by a committee constituted by the Higher Education Commission, Pakistan. The committee consists of experts and learned professors, subject matter specialists from other universities and research organizations from Pakistan. When and if needed, curriculum for the University Institute of Information Technology is revised/updated through different bodies. At the institutional level there is an institutional Board of Studies that is equivalent to faculty board of studies, which comprised of senior faculty members, is responsible for updating the curriculum. This body is authorized to formulate a syllabus and course content. The Director of the Institute is the convener of this body. The courses are then sent to the academic council for approval.

Definition of Credit Hour

A student must complete a definite number of credit hours. One credit hour is one theory lecture or two hours laboratory (practical/week). One credit hour carries 20 marks.

Degree plan

Presently five degree programs are organized by the University Institute of Information Technology. The BS (CS) degree program consists of 4 academic years/ 8 semesters.

Standard 2-1: The curriculum must be consistent and support the program's documented objectives.

The table given below shows the list of courses those are consistent with the program objectives.

Table 5: Courses versus Outcomes

Courses	Outcomes					
	1	2	3	4	5	6
CS-301	++	++	+++	++	+++	+
CS-335	+++	++	+	+++	+	++
CS-323	++	+++	++	+	++	+++
MTH-310	++	+	+++	++	+	+

ENG-305	+++	++	++	++	+++	++
IS-302	+	+++	++	+++	++	++
CS-423	+++	+++	++	+	++	+++
CS-400	+++	++	+++	++	+++	++
MTH-315	+++	++	++	+++	+++	+
SSH-302	++	+	+	++	++	+++
PHY-401	+++	++	+	+++	+++	+++
MGT-421	+	++	++	+++	+++	++
CS-443	+++	+++	+++	+	+	++
CS-430	+++	+	++	+++	++	+++
PHY-416	+++	++	+	+	++	+
MTH-415	+++	+++	++	+	+	++
CS-565	+++	+++	++	++	++	+++
STT-500	+	++	+	+	+++	+
CS-432	+++	+++	+	+++	++	++
CS-582	+++	+	++	++	+++	++
MTH-435	+++	+	+++	+	++	++
CS-452	+	+	+++	+++	+++	+++
MGT-310	+++	++	++	++	+++	+++
ENG-325	+	+++	+++	+++	+	+++
CS-552	+	+++	+	++	+++	++
CS-542	+++	+++	++	+	+	+++
CS-531	+++	+++	+++	++	+	
CS-577	+++	+++	+++	++	++	++
MGT-511	+++	+	++	+	+	+++
CS-572	+++	+++	+++	+++	+++	+++
STT-510	+++	+++	+	++	+++	++
CS-536	+++	+++	++	+	+++	++
CS-692/691	+++	+	++	+	+	+++

MGT316	+++	++	+++	++	+++	+++
CS-575/526	+++	++	+	++	+++	++
CS-632	+++	+	++	+	+++	++
CS-600/652	+++	++	+++	++	+	+++
ENG-315	+++	+++	+	+++	+	++
SSH-303	+++	++	++	++	++	+
PSY-600	+++	+	++	+	++	++
CS-682	++	+++	++	+++	+++	++
CS-600/652	+	+++	++	+++	++	+
CS-699	+++	+++	++	+	+++	+++
MGT-520	+++	++	+++	++	++	+++

+ = Moderately Satisfactory

++ = Satisfactory

+++ = Highly Satisfactory

Assessment of BSCS Curriculum

The assessment of the BS CS degree program is shown in tabulated form which indicated that contribution of each course for the program outcomes.

- It contains the introductory computing course, middle level course and advanced computing courses.
- It contains mathematical courses which help in designing the mathematical modeling and developing numerical solutions.
- It contains the management and business courses to give students a flavor of business infrastructures.

Standard 2-2: Theoretical backgrounds, problem analysis and solution design must be stressed within the program's core material.

The Table below shows the categorization of courses which plays vital role in building theoretical background, problem analysis and designing a solution.

Division of Courses in Theoretical Background, Problem Analysis and Solution Design

Table 5a: Detail of courses representing theoretical background, problem analysis and solution design

Element	Course Code	Course Title
Theoretical Background	ENG-305	English Comprehension
	IS-302	Islamic Studies
	SSH-302	Pakistan Studies
	PHY-401	Physics-I
	MGT-421	Islamic Studies
	PHY-416	Physics-II
	CS-452	Software Engineering I
	ENG-325	Communication Skills
	CS-301	Introduction to Computing
	CS-577	Computer Communication and Networks
	CS-536	Theory of Automata & Formal Languages
	MGT-316	Introduction to Marketing
	ENG-315	Technical and Business Writing
	SSH-303	Professional Ethics
	PSY-600	Psychology
	CS-582	Operating System Concepts

Problem Analysis	CS-335	Discrete Structures
	MTH-310	Calculus and Analytic Geometry
	MTH-315	Multivariable Calculus
	MGT-421	Fundamentals of Management
	CS-430	Digital Logic Design
	MTH-415	Differential Equations
	STT-500	Statistics and Probability
	MTH-435	Linear Algebra
	CS-542	Analysis of Algorithms
	CS-552	Software Engineering II
	CS-572	Numerical Analysis
	STT-510	Statistical Analysis
	CS-632	Artificial Intelligence
	MGT-520	Human Resource Management
Solution Design	CS-323	Programming Fundamentals
	CS-423	Object Oriented Programming
	CS-400	Database Systems
	CS-443	Data Structures and Algorithms
	CS-565	Web Design and Development
	CS-432	Modern Programming Languages
	CS-531	Computer Organization & Assembly Language
	MGT-310	Financial Accounting
	CS-692	Visual Programming
	CS-575	Computer Graphics
	CS-600	Distributed Database Systems
	CS-682	System Programming
	CS-699	Software Project

Standard 2-3: The curriculum must satisfy the core requirements for the program, as specified by the respective accreditation body. Examples of such requirements are given in Table A.1, Appendix A.

The curriculum is designed according to the requirements of Accreditation council. We have gone through for the accreditation process of our BSCS program and accreditation council awarded category “Y” to said program.

Standard 2-4: The curriculum must satisfy the major requirements for the program as specified by HEC, the respective accreditation body / councils. Examples of such requirements are given in Table A.1, Appendix A.

The institute has its own faculty board comprising of ten members, one member from sister institute, two members from the academic council of PMAS-AAUR and seven members from faculty of UIIT. All courses of BSCS degree are designed according to the defined standard of HEC by the said faculty board and curriculum is duly approved by the academic council of the university.

Standard 2-5: The curriculum must satisfy general education, arts, and professional and other discipline requirements for the program, as specified by the respective accreditation body / council. Examples of such requirements are given in Table A.1, Appendix A.

The course distribution in the curriculum of BSCS is according requirements of Accreditation Council of Pakistan and HEC and program has awarded category “Y” by the accreditation council.

Standard 2-6: Information technology component of the curriculum must be integrated throughout the program.

The degree of BSCS is a computer science professional degree. The extensive programming and application courses are included in the degree. It includes major computer science, software engineering and information technology courses

Table 5b: Credit Hour Division between major areas

Category	Credit Hours	Cumulative Credit Hours
Computing-Core Courses	39	76
Major (Computer Sciences/Software Engineering/Information Technology)-Core Courses	19	
Major (Computer Sciences/Software Engineering/Information Technology) Based–Electives	18	
Supporting Sciences	24	58
General Electives	16	
University Electives	18	
Total Credit Hours		134

Standard- 2.7: Oral and written communication skills of the student must be developed and applied in the program.

To enhance the communication skills of students, UIIT has included a number of General Education courses as per HEC criterion.

Table 5c: General Education Courses

Course Code	Course Title	Credit Hours
ENG-305	English Comprehension	3(3-0)
ENG-315	Technical Business Writing	3(3-0)
EMG-325	Communication Skills	3(3-0)
SSH-303	Professional Ethics	3(3-0)

A number of seminars and workshops are arranged by the students and the faculty as part of the practical work of certain courses.

CRITERION 3: LABORATORIES AND COMPUTING FACILITIES

The table contains the detail of the lab and computing facilities at UIIT.

Table 6: Laboratory Facility

Size of campus (in kanals)	9.3 kanals							
Covered area (sq ft)	51,165 sq ft							
Sizes of lecture rooms	Class Room 30’ x 40’				Lecture Theater 30’ x 50’			
Instructional facilities provided in lecture rooms	Multimedia White Board				Overhead Projectors Sound System			
General computing lab facilities: total number of PCs and lab hours	Approximately 100 hours Per Day Total PCs in Labs: 285 Labs Open: 8:00 am – 9:00 pm							
Nature and level of networking	Fiber Optic based Campus Wide LAN, Point to Point connectivity using fiber optic with 60MB of bandwidth.							
Specialized lab facilities and hours of their availability	CISCO (Router/Switch) GIS (Plotter/Scanner) DLD(Trainer/Oscilloscope) PhD Lab (1)				Linux Lab Teaching Lab Project Lab The labs are open almost the whole day from 8:00 am to 9:00 pm			
Student-to-computer ratio	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12
	2.1:1 (309:150)	2:1 (352:150)	1.3:1 (324:260)	1.4:1 (372:260)	1.2:1 (352:285)	1.3:1 (383:285)	1.2:1 (390:285)	2:1 (410:285)
Average lifetime of a PC in computing labs	3 to 4 years							
Library information	Area (sq ft)	Automated	Total Books	Total Computer Books	Total Journals (Give full details)	IEEE (Give full details)	ACM (Give full details)	
	1020	Automated	3604 In addition to university main library resources	2700	8 Journals	UIIT has an access to digital library services being extended by HEC		

Standard-3.1: Laboratory manuals/documentation/instructions for experiments must be available and daily accessible to faculty and students.

Laboratory manuals for the entire practical subject are prepared and distributed among students. Manuals are present in the institute in the soft form.

Standard-3.2: There must be support personal for instruction and maintaining the laboratories.

The detailed information about Laboratory is presented in Table 6. A total of 15 lab support staff is available at UIIT. The Lab support staff helps teachers in conducting different labs. Their main responsibilities include the lab maintenance, availability of related software for lab etc. One lab person is available for each of the lab being arranged. Detail is given below:

Computer Lab support staff:	15
Multimedia Projector Count:	18
Over Head Projectors Count:	7
Total Lab Computers:	285
Total No. of Labs:	8

Standard-3.3: The University computing infrastructure and facilities must be adequate to support program's objectives.

The UIIT provides enough computing facilities for students in the Lab. The total numbers of computers available for students use in multiple labs are 285 in 8 labs.

A student to computer ratio mentioned in the year 2011-2012 is 1:2. The detailed information is presented in table 6.

CRITERION 4: STUDENT SUPPORT AND ADVISING

Our University organizes support programs for students and provide information regarding admission, scholarship schemes etc. Institute in its own capacity arranges orientation and guided tours of the department. Director Students Affairs is also there and arranges various cultural activities and solves the students' problems. However currently there is no Parent/Teacher association.

Standard-4.1: Courses must be offered with sufficient frequency and number for students to complete the program in a timely manner.

Courses are taught as per HEC criteria.

- At undergraduate level subjects/courses are offered as per the scheme of study provided by the HEC and approved by Academic Council. Postgraduate level courses are however offered according to the availability of the teacher and a number of students.
- Elective courses are offered as per policy of HEC and the University.
- For postgraduate programs, a variety of courses are offered according to demand of the profession

Standard-4.2: Courses in the major area of study must be structured to ensure effective interaction between students, faculty and teaching assistants.

Both theoretical and practical aspects are focused to prepare the students for future challenges. Theoretical problems are explained and assignments are also given to the students whereas, practical are carried out in the labs. Study tours to various research organizations and software houses are also organized to keep them updated on the latest developments in the area and to stimulate them for discussion through teacher/student interaction.

- BS (CS) courses are well designed and updated in the institute board of studies meeting.
- At start of semester, the faculty members of institutes interact frequently among themselves and with students.
- Institute always encourages the interaction between each section of BS (CS) classes.

Standard-4.3: Guidance on how to complete the program must be available to all students and access to qualified advising must be available to make course decisions and career choices.

Several steps have been taken to provide guidance to students by different ways such as:

- Students are informed about the program requirement through the director's office.
- Through the personal communication of the teachers with the students.
- Meetings are organized by the director of the institute for counseling for the students. In addition, students can also contact with the relevant teachers whenever they face any problem.
- Students can meet director of the institute whenever they feel need to meet on any serious issue.
- Realizing the need for exploring job opportunities for the university graduates, Directorate of Placement Bureau has been established.

Table 7: Student to Teacher Ratio at UIIT

2008-09	2009-10	2010-11	2011-12
1:23	1:27	1:30	1:35

CRITERION 5: PROCESS CONTROL

It includes students' admission, registration and faculty recruitment activities, which are dealt by various statutory bodies and the university administration.

Standard-5.1: The process by which students are admitted to the program must be based on quantitative and qualitative criteria and clearly documented. This process must be periodically evaluated to ensure that it is meeting its objectives.

- The process of admission is well established and is followed as per the rules and criteria set by HEC. For this purpose an advertisement is published in the national newspapers by the Registrar's office.
- Admission criteria for BSCS are F.Sc. Pre medical or pre engineering with minimum of second division.
- Admission criteria are revised every year before the announcement of admission.

Standard-5.2: The process by which students are registered in the program and monitoring of students progress to ensure timely completion of the program must be documented. This process must be periodically evaluated to ensure that it is meeting its objectives.

- The student name, after completion of the admission process, is forwarded to the Registrar's office for proper registration in the specific program and the registration number is issued to the student.
- Registration is done in one time for each degree but evaluation is done through the result of each semester. Only those students, who fulfill the criteria of the University, are promoted to the next semester.

Standard-5.3: The process of recruiting and retaining highly qualified faculty members must be in place and clearly documented. Also processes and procedures for faculty evaluation, promotion must be consistent with the institution's mission statement. These processes must be periodically evaluated to ensure that it is meeting with its objectives.

- The recruitment policy followed by the University is the same as recommended by the HEC. Induction of all posts is done as per rule.
- Vacancies and newly created positions are advertised in the national newspapers, applications are received by the Registrar's office, scrutinized by the scrutiny committee, and call letters are issued to the shortlisted candidates on the basis of experience, qualification, publications and other qualities/activities as determined by the University.
- The candidates are interviewed by the University Selection Board, and Principal and alternate candidates are selected.
- Selection of candidates is approved by the Syndicate for issuing orders to join within a specified period.
- Induction of new candidates depends upon the number of approved vacancies.
- The standard set by HEC are followed.
- At present, no procedure exists for retaining highly qualified faculty members. However, the revised pay scale structure is quite attractive.
- HEC also supports the appointment of highly qualified members as foreign faculty Professors, National Professors and deports them to the concerned institutes of the University.

Standard 5-4: The process and procedures used to ensure that teaching and delivery of course material to the students emphasizes active learning and that course learning outcomes are met. The process must be periodically evaluated to ensure that it is meeting its objectives.

- To provide high quality teaching, Institute periodically revises the curriculum in views of field requirements, innovations and new technology.
- With the emergence of new fields, new courses are introduced and included in the curriculum.
- Students usually buy cheap Asian editions of technology books. These are also available in the University library, where documentation, copying and internet facilities are available.
- Notes are also prepared by the teachers and given to the students.
- Most of the lectures are supplemented by overheads, slides and pictures.
- All efforts are made that the courses and knowledge imparted meet the objectives and outcome. The progress is regularly reviewed at the staff meetings.

Standard 5-5: The process that ensures that graduates have completed the requirements of the program must be based on standards, effective and clearly documented procedures. This process must be periodically evaluated to ensure that it is meeting its objectives.

The controller of examinations announces the date regarding commencement of examination. After each semester, the controller's office notifies results of the students. The evaluation procedure consists of quizzes, mid and final examinations, practical, assignments, reports, oral and technical presentations. The minimum pass marks for each course is 40% for undergraduate.

CRITERION 6: FACULTY

Standard 6-1: There must be enough full time faculties who are committed to the program to provide adequate coverage of the program areas/courses with continuity and stability. The interests and qualifications of all faculty members must be sufficient to teach all courses, plan, modify and update courses and curricula. All faculty members must have a level of competence that would normally be obtained through graduate work in the discipline. The majority of the faculty must hold a Ph.D. in the discipline.

Below is the detail of faculty members at UIIT for the BS (CS) program.

A. Full-time Faculty Information

Table 8: Full Time Faculty Members at UIIT

Full-time Faculty Size	Number of faculty members with		Full Professors	Associate Professors	Assistant Professors	Lecturers	Teaching Assistants/Fellows
	PhD	MS					
22	3	16	0	01	09	09	-

B. Part-Time Faculty Information

Table 9: Part Time Faculty Members at UIIT

Part-Time Faculty Size	Number of Part-Time Faculty Members with		Total Number of Courses Offered by the Institute	Number of Courses Taught by Part-Time Faculty per Year	Average Teaching Load per Part-Time Faculty Member
	PhD	MS			
(Fall-11)	02	15	48	24	1:2
(Spring-12)	03	16	38	24	1:1.58

The entire faculty members are hired on the basis of the degree offered by institute. As there is no specialization offered in degree's the student enrolled get similar degree. So there is no distribution of faculty in all programs with respect to specialization.

Standard 6-2: All faculty members must remain current in the discipline and sufficient time must be provided for scholarly activities and professional development. Also, effective programs for faculty development must be in place. Effective Programs for Faculty Development

- The faculty members are sent for the training for the available resourced. Currently many faculty members are studying in Pakistan and abroad in MS and PhD level studies.
- Institute provides them study leave with pay and some time allowance where possible for the institute.
- Internet is available to all the faculty members. The faculties also have access to the digital library and limited access to some well known journals.
- The institute provides support for attending conferences through HEC. There are certain policy matters which a faculty member needs to follow in order to get a positive feedback from the institute for travel grants to the conference.
- The university provides a certain amount of innovative research ideas to the faculty members.

Standard 6-3: All faculty members should be motivated and have job satisfaction to excel in their profession.

The faculty members are not fully satisfied with the workload and the amount they get in the form of salary. Most of the faculty members are satisfied with the mix of research and teaching method. The faculty members are satisfied with the support they are getting from the administration regarding the research and teaching. The faculty members are satisfied with overall climate of the institute. Not all the faculty members are satisfied with the job security. Most of the faculty members are satisfied that the institution is utilizing their capabilities in the good way. The faculty should be encouraged to continue excelling through the carrier. A table of Results of faculty Survey is at next Page.

Table 30: Result of Faculty Survey

S. No	Parameters	Dr. Sohail Asghar	Mr. Sheeraz Akram	Mr. Nasir Mehmood Minhas	Ms. Irum Rubab	Ms. Fakhra Mushtaq	Mr. Malik Nadeem Ahmed	Mr. M. Nazir	Mr. Shehzad Saqib	Mr. Yasir Hafeez	Ms. Rubina Ghazal	Dr. M. Ramzan	Ms. Aisha Umair	Ms. Bushra Hamid	Mr. Syed Mushhad Gillani
1	Your mix of research, teaching and community service	A	B	B	B	B	B	B	B	B	B	B	A	B	B
2	The intellectual stimulations of your work.	B	B	B	B	A	B	B	B	B	B	B	B	B	C
3	Type of teaching /research you currently do.	A	B	A	B	B	B	B	B	B	B	B	B	B	B
4	Your interaction with students.	B	B	A	B	B	B	B	C	A	B	B	A	C	B
5	Cooperation you receive form colleagues.	B	B	A	B	A	B	C	C	C	B	B	B	C	B
6	The mentoring available to you.	B	C	B	B	B	C	B	C	B	C	C	A	C	B
7	Administrative support from the department.	A	B	B	C	B	B	B	B	B	B	B	B	C	B
8	Providing clarity about the faculty promotion process.	C	B	A	C	C	C	D	C	D	B	B	C	C	C
9	Your prospects for advancement and progress through	C	B	B	C	B	B	C	C	C	C	C	B	E	D

	ranks.														
10	Salary and compensation package.	B	B	B	C	B	B	B	E	D	C	C	B	B	D
11	Job security and stability at the department.	B	B	B	B	B	B	B	B	D	B	C	B	C	B
12	Amount of time you have for yourself and family.	C	B	B	B	C	B	B	D	B	C	C	C	B	B
13	The over all climate at the department.	B	B	B	B	B	B	B	C	B	B	B	B	B	B
14	Whether the department is utilizing your experience and knowledge	C	B	B	C	B	C	B	B	B	B	B	C	B	B
15	What are the best programs / facts currently available in your department that enhance you motivation and job satisfaction	The MS Program and BS CS Program	New Building , Latest Equipment	NIL	MS and BS CS Program	Colleagues are well qualified and fresh in research, MS and BS CS Program	Availability of Resources, Motivation for Higher Studies	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
16	Suggest programs/factors that could improve your motivation	It is better to offer new	Research Environment should	NIL	Promotion of Research	The workload of the faculty	Need to improve Research Environment	NIL	Different workshop related to IT	NIL	NIL	NIL	NIL	NIL	NIL

	and job satisfaction?	courses in the existin g progra ms	be improve d		culture to give faculty a chance for improv ing research. h.	should be –re- considere d	ment, Research Grants should be provided to faculty members . Needs to organize conferen ce at National level at UIIT		should be organize d.							
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A= Very Satisfied; B= Satisfied; C=Uncertain; D= Dissatisfied; E= Very Dissatisfied

CRITERION 7: INSTITUTIONAL FACILITIES

According to this criterion, the institution must have the infrastructure to support new trends in learning such as e-learning including digital publications, journals etc.

- The library must possess an up-to-date technical collection relevant to the program and must be adequately staffed with professional personnel. Insufficient library's technical collection of books. Recommended books and relevant journals of the programs are not available to the students.
- These aspects need to be strengthened in number and space.
- Classrooms must be adequately equipped and offices must be adequate to enable faculty to carry out their responsibilities.
- The standard wise description of this criterion is given an under

Standard- 7.1: The institution must have the infrastructure to support new trends in learning such as e-learning.

The university faculty has access to e-library and internet which is very supportive of the faculty. But faculty facing certain problems like

- Repeatedly power failure during the labs
- Faculty don't have access to many well known journal those are relevant to the field.

Standard- 7.2: The library must possess an up-to-date technical collection relevant to the program and must be adequately staffed with professional personnel.

The University Central Library has very limited number of books, journals and periodicals. It's a small library in term of space and facilities with no catalogue systems. It does not meet the standards of a University Library. The institute has its own small library which has computer science related books. But this library also lacks the book related to the latest field and the field in which currently latest results are being conducted.

Standard- 7.3: classrooms must be adequately equipped and offices must be adequate to enable faculty to carry out their responsibilities.

- The office environment is not comfortable to work at all during the summer.
- Classrooms have a limited size white board which ends after writing for a few minutes.
- Because of the fans, teacher keeps on speaking and voice don't reach ahead of 2nd or 3rd row in summer, so something should be done to replace fans with air conditions.

CRITERION 8: INSTITUTIONAL SUPPORT

The university administration has been struggling hard to strengthen all the departments/institutes, upgrade them and establish new faculties and Institutes. The university is also trying to attract highly qualified faculty.

Standard 8-1: There must be sufficient support and financial resources to attract and retain high quality faculty and provide the means for them to maintain competence as teachers and scholars.

The institute currently has limited resources for the research. There should be enough research budgets that can attract the faculty member to do research in their fields. Along with the research grant, the institute should provide funding for the research projects independently.

Standard 8-2: There must be an adequate number of high quality graduate students, research assistants and Ph.D. students.

Below is the list of students in the BSCS program over past ten years. UIIT is not accredited for a PhD Degree. Teaching Assistant positions are not available for UIIT.

Table 11: Number of students enrolled in BS-CS in last ten years

2008-09	2009-10	2010-11	2011-12
158	200	742	791

Standard- 8.3: Financial resources must be provided to acquire and maintain library holdings, laboratories and computing facilities.

Following is the detail of the institution's budget for maintenance, library holdings, laboratories, computing facilities and faculty development.

Table 124: Financial Information about the institution and the Program

Total assets of the institution	PMAS-AAUR is a public sector University and UIIT is a constituent part of the university -- it is relatively hard to determine the exact value of its assets.								
Total endowment fund of the institution									
	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10
Yearly budget for the past five years	- Funded through Most project	11.933M		16.425 M	18.105M	18.241M	13.107M	24.584M	25.409M
Institution's yearly budget for research and faculty development for the past five years 2	1.903M	0.80M	1.5M	1.0M	2.0M	2.0 M	1.049 M	1.168M	2.25M
Institution's yearly budget for library 1	Ministry of Science & Technology had sponsored the establishment of this institute through a development project of Rs 27.96 M -- all such	0.400M		0.600M	0.400M	0.300M	0.350M	0.350M	0.400M

	expenditures for two years were met through that project.								
Institution's yearly budget for computing facilities	As Above	0.560M	1M	0.300M	0.300M	0.150M	0.400M	0.400M	
Total working capital of the department/school/college that offers the program									
	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10
Yearly budget of the department/school/college that offers the program	As Above								
Department/school/college's yearly budget for research and faculty development for the past five years									
Fee Structure	Subsidized Fee: Rs 4600 Regular Fee: Rs.	Subsidized Fee: Rs 7600 Regular Fee: Rs. 24900			Subsidized Fee: Rs. 10100 Regular Fee: Rs.	Subsidized Fee: Rs. 8360 Regular Fee: Rs.	Subsidized Fee: Rs. 8360 Regular Fee: Rs.	Regular Fee Category Only: Rs 23190	

	24900		24900	24900	24900	
What are sources of income	Project of Most	Students fee and Govt. Grants				

SUMMARY AND CONCLUSION

The Self Assessment Report (SAR) of the University Institute of Information Technology (UIIT), Pir Mehr Ali Shah Arid Agriculture University, Rawalpindi for Degree Program Bachelor of Science, Computer Science (BS CS), began with an introduction of the institute followed by a detailed discussion of the BSCS degree program including its importance, the main features, objective, outcomes and measures to assess those objectives.

BSCS is a four year degree program, during which a variety of relevant computer science courses are offered to the students. Because of the large number of offered courses, visiting faculty is also hired to work in collaboration with the full-time faculty members, to balance the faculty academic load and ensure an adequate justification and fulfillment of the teaching/training requirements. In order to maintain and promote an outstanding quality of education, a continued assessment of the teaching and courses is conducted, throughout a semester, in accordance with the rules and regulations of the HEC.

The core of the curriculum designed for BS CS program is according to the market and international standards of computer education guided by the requirements set by the Higher Education Commission of Pakistan. The curriculum includes an adequate proportion of mathematical, statistical and management courses to provide a complete skill package for effective professional conduct. It is further supplemented by the inclusion of a number of general courses intended to sharpen the written and oral communication proficiency of the students. Moreover, the faculty members and students are encouraged to arrange workshops and seminars as a part of their academic and practical work to further enhance their professional abilities.

UIIT supports the new trends towards education such as e-learning including digital publications, journals, etc. The faculty and students have been provided with a full-time access to the e-library and internet through local area network, so that they have a ready access to many well known journals relevant to their respective research areas. In addition, a book library is also available but lacks the latest editions of books related to multiple important subjects.

The performance of UIIT can be improved in general and particularly in BS CS Degree program by improving following points:

1. There is a requirement of multimedia in every class, lecture theaters and lab.
2. For the smooth flow of lectures, power supply for labs, class rooms and lecture theaters should be non-stop.
3. There is a need to re-design the curriculum as due to a large number of courses some overlapping of the contents may occur among different courses.
4. Due to a large number of students there is a need for the expansion of the current campus.
5. The job satisfaction level of faculty members should be increased as according to the market trend.
6. Sufficient funding is required for the research projects for the development and betterment of the students.
7. There should be seminars on the latest research trends which help students to choose their field and also to decide the field of specialization for further studies.
8. Student internship program should be organized for the professional grooming and stipend should be given to them like other universities are practicing.
9. The workload should be reduced for the faculty according to the standard practice among other leading universities of Pakistan.
10. Concept of research associates needs to be reintroduced while at the same time, teaching assistants need to be inducted among the students to facilitate teachers and sharpen their own skills.
11. The trend of seminars and workshops, by the people of industry related to latest technologies currently active in the market, should be stimulated.

Program Team Member

Coordinator: Dr. Sohail Asghar

Convener: Ms. Hina Gul

Members: Mr. Yasir Hafeez

Mrs. Rubina Ghazal

ANNEXURES

ANNEXURE I: ALUMNI SURVEY

The results of the Alumni survey in tabular form are given below:

		Excellent	Very Good	Good	Fair	Poor
I	Knowledge					
1	Math, Science, Humanities and professional discipline, (if applicable)	62%	19%	10%	5%	5%
2	Problem formulation and solving skills	71%	10%	10%	5%	5%
3	Collecting and analyzing appropriate data	62%	10%	14%	10%	5%
4	Ability to link theory to practice	57%	19%	10%	10%	5%
5	Ability to design a system component or process	67%	10%	5%	14%	5%
6	IT knowledge	81%	5%	5%	5%	5%
II	Communication Skills					
1	Oral communication	40%	40%	10%	5%	5%
2	Report writing	71%	10%	10%	5%	5%
3	Presentation skills	57%	19%	10%	10%	5%
III	Interpersonal Skills					
1	Ability to work in teams.	67%	19%	5%	5%	5%
2	Ability to work in arduous/Challenging situation	71%	10%	10%	5%	5%
3	Independent thinking	48%	29%	14%	5%	5%
4	Appreciation of ethical Values	76%	10%	5%	5%	5%
IV	Management/Leadership Skills					
1	Resource and Time management skills	48%	33%	10%	5%	5%
2	Judgment	52%	24%	14%	5%	5%
3	Discipline	71%	10%	10%	5%	5%
V	General Comments					
VI	Career Opportunities					
VII	Department Status					
1	Infrastructure	65%	18%	12%	6%	0%
2	Faculty	71%	24%	6%	0%	0%
3	Repute at national level	59%	35%	6%	0%	0%
4	Repute at International level	12%	47%	12%	6%	24%

ANNEXURE II: GRADUATING STUDENTS SURVEY

The results of Graduating Student Survey in table form are given below:

		Very Satisfied	Satisfied	Uncertain	Dissatisfied	Very Dissatisfied
1	The work in the program is too heavy and induces a lot of pressure.	57%	30%	4%	4%	4%
2	The program is effective in enhancing team-work abilities.	52%	35%	0%	9%	4%
3	The program administration is effective in supportive learning	35%	35%	17%	4%	9%
4	The program is effective in developing analytical and problem solving skills.	43%	39%	9%	4%	4%
5	The program is effective in developing independent thinking.	52%	20%	16%	4%	8%
6	The program is effective in developing written communication skills.	48%	35%	13%	0%	4%
7	The program is effective in developing planning abilities.	43%	35%	4%	9%	9%
8	The objectives of the program have been fully achieved.	43%	39%	9%	4%	4%
9	Whether the contents of the curriculum are advanced and meet program objectives.	39%	35%	13%	4%	9%
10	The faculty was able to meet the program objectives.	43%	30%	9%	13%	4%
11	The environment was conducive for learning	30%	30%	22%	4%	13%
12	Whether the infrastructure of the department was good	30%	17%	35%	13%	4%
13	Whether the program was comprised of Co-curricular and extra-curricular activities	22%	17%	35%	17%	9%
14	Whether scholarships/grants were available to students in case of hardship.	65%	22%	9%	4%	0%

ANNEXURE III: EMPLOYER SURVEY

The results of Employer Survey in tabular form are given below:

		Excellent	Very Good	Good	Fair	Poor
I	Knowledge					
1	Math, Science, Humanities and professional discipline, (if applicable)	55%	24%	15%	3%	3%
2	Problem formulation and solving skills	50%	31%	6%	9%	3%
3	Collecting and analyzing appropriate data	49%	26%	17%	3%	6%
4	Ability to link theory to practice	37%	34%	17%	12%	0%
5	Ability to design a system component or process	45%	32%	9%	9%	5%
6	Computer knowledge	68%	9%	5%	9%	9%
II	Communication Skills					
1	Oral communication	36%	30%	18%	12%	3%
2	Report writing	39%	26%	17%	4%	13%
3	Presentation skills	39%	27%	17%	5%	12%
III	Interpersonal Skills					
1	Ability to work in teams.	49%	17%	31%	3%	0%
2	Leadership	32%	32%	21%	0%	14%
3	Independent thinking	37%	53%	11%	0%	0%
4	Motivation	42%	31%	12%	8%	8%
5	Reliability	42%	32%	0%	5%	21%
6	Appreciation of ethical values	48%	13%	16%	10%	13%
IV	Work Skills					
1	Time management skills	38%	50%	8%	4%	0%
2	Judgment	42%	27%	15%	12%	3%
3	Discipline	32%	44%	20%	4%	0%

ANNEXURE IV: FACULTY RESUME

Performa 9



Faculty Resume

Name	Dr. Sohail Asghar
Personal	Director University Institute of Information Technology PMAS-Arid Agriculture University, Rawalpindi - Pakistan Mobile: +92-051-9290154
Experience	• Director Nov 2011 to-date University Institute of Information Technology PMAS-Arid Agri. University (AAUR) – Rawalpindi - Pakistan
Honor and Awards	• Australian Post Graduate Award for Industry, Australian Research Council, Monash University, Jan 2004-April 2006 • Oracle Certified Professional (OCP) – 2000 • Awarded Travel Grants (Three Times) from Higher Education Commission (HEC) of Pakistan.
Memberships	• Member IEEE • Member Australian Computer Society (ACS) • HEC Approved supervisor
Brief Statement of Research Interest	i. Data Mining and Business Intelligence ii. Decision Support Systems iii. Model Management and Disaster Management Systems iv. Operational Research
Publications	92

Performa 9



Faculty Resume

Name	Sheeraz Akram
Personal	Office # 05, UIIT, PMAS-Arid Agriculture University Rawalpindi Home #: Mobile: 0300-8532782 E-mail: sheeraz@uaar.edu.pk sheeraz.cs@gmail.com
Experience	September 2009 – to date Assistant Professor, Computer Science, PMAS Arid Agriculture University, Rawalpindi September 2006 – September 2009 Lecturer, Department of Computer Science, GIFT University Gujranwala
Honor and Awards	
Memberships	
Graduate Students Undergraduate Students Honor Students	I have supervised 2 Final year project of MCS and one Final Year project of MIT students. 1 MS thesis under my supervision.
Service Activity	Coordinator QEC at UIIT Coordinator BS CS (Morning) Program at UIIT
Brief Statement of Research Interest	In MS CS, my main focus was on Image and Video compression and 3D video. Now I am working in the area of Medical Image Processing, Theoretical CS. Computer Vision. In PhD I am working in Medical Image Processing

Performa 9



Faculty Resume

Name	Nasir Mehmood Minhas
Personal	Room # 22, UIIT, Arid Agriculture University, Rawalpindi, 0333-5651973
Experience	Jan 2008– Current UIIT, Arid Agriculture University Rawalpindi Assistant Professor, Coordinator BS (IT) Program Major courses taught during my tenure at UIIT so far include: BS • Operating System Concepts • Software Engineering (I & II) • Database Systems • Distributed Database Systems • Data Structures & Algorithms • Web Design & Development • Introduction to Computing 2001– 2008 ICMS (ASC AIOU) Rawalpindi



Faculty Resume

Name	Iram Rubab
Personal	House No 1185, Street No 12, G-11/1 Islamabad. Ph.No : 0321-5307644 Email: iram@uaar.edu.pk
Experience	Sep 2008 to Date as Lecturer in UIIT-AAUR
Memberships	- Coordinator for ACM Students Chapter at UIIT - Member ACM
Students	4
Service Activity	- Teaching and Research Activities at UIIT - Project Coordinator for BS(CS)/BS(IT)/MCS/MIT Final year projects - Organization of Seminars and workshops at UIIT - Organization of co curricular activities at UIIT
Brief Statement of Research Interest	My Research interests include - Model Driven Architecture - Model Based Testing - Formal Specification based Development and Testing
Publications	2

Performa 9



Faculty Resume

Name	Fakhra Mushtaq
Personal	House No. 1-A, Street No.22 , F-8/2, Islamabad ,Pakistan Home #: 051-2515161 Mobile: 0333-5346269 E-mail: fakhra@uaar.edu.pk fakhramalik2002@yahoo.com
Experience	Feb 2007 – to date Lecturer – PMAS Arid Agriculture University July 2005 – August 2005 <i>Internee Accountant - Anwar Khawaja Industries (Pvt) Ltd</i> Sialkot, (Pakistan)
Honor and Awards	Scholarship Awarded scholarship in BBA (Hons) – ITM Scholarship Awarded scholarship in MBA Merit Certificate Awarded for securing First position in Bachelor’s Degree. Merit Certificate Awarded for securing Second position in Master’s Degree.
Memberships	List memberships in professional and learned Societies, indication offices held, committees, or other specific assignments.



Faculty Resume

Name	Muhammad Nazir
Personal	Room # 23, UIIT, Arid Agriculture University, Rawalpindi, 0333-5263675
Experience	2008– Current UIIT, Arid Agriculture University Rawalpindi Major course taught during my tenure at UIIT so far include: MCS • Artificial Intelligence • Data structures and Algorithms • Distributed Databases • Discrete Structures
Graduate Students Undergraduate Students Honor Students	• 4 MS students currently under supervision for their MS Thesis
Publications	9



Faculty Resume

Name	Yasir Hafeez
Personal	University Institute of Information Technology, PMAS - Arid Agriculture University, Rawalpindi, Cell: 0333-5146356 Email: yasir@uaar.edu.pk
Experience	• Current Position Jan 2010 - Todate Assistant Professor (IT) University Institute of Information Technology, PMAS-Arid Agriculture University Rawalpindi.
Honor and Awards	• Participated in the workshop on <i>“Case Teaching Methodologies”</i> held during March 2007 at Higher Education Commission (HEC), Islamabad, Organized by HEC. • CISCO Networking Academy Program (CCNA) successfully completed all modules. • Participated in International Conference on <i>“The Future of Schools and Education”</i> held during November 2005 at Islamabad, organized by Beacon House School System. • Attended first International Seminar on <i>“Capability Maturity Model Integration”</i> held during March 2008 at College of Electrical and Mechanical Engineering (NUST).



Proforma 9

Faculty Resume

Name	Rubina Ghazal
Personal	Phone: +92-51-9290154 Email: rubinaghazal@uaar.edu.pk
Experience	Sep. 2006 to date Assistant Professor University Institute of Information Technology, PMAS Arid Agriculture University, Rawalpindi. 13 Feb 2002 - 12 Feb 2005 Lecturer Department of Computer Science, University of Agriculture, Faisalabad. 1 Jan 2000 - 31 Jan 2002 Lecturer College of Professional Studies Faisalabad
Education	MS-CS (Software Engineering) MSc. Computer Science
Courses	Software Engineering-I, Software Engineering-II, Digital Logic and Design, Data Structure and Algorithms, C++, Java, Operating Systems
Research Interests	Model-Driven Software Development, Agent programming, Modeling of Gene Expression Patterns.
Memberships	- Member of Harassment Committee of Arid Agriculture University Rawalpindi. - Member of Committee for code of conduct at campus in Arid Agriculture University Rawalpindi
Service Activity	Teaching to BS-CS, BS-IT, MCS and MIT students and supervising in their final year projects. And all other activities assigned by the Institute or University.

Performa 9



Faculty Resume

Name	Muhammad Ramzan
Personal	Room # 111, UIIT, Arid Agriculture University, Rawalpindi, 0332-5142505
Experience	2009– Current UIIT, Arid Agriculture University Rawalpindi Assistant Professor, Coordinator Higher Studies Board Major courses taught during my tenure at UIIT so far include: MS • Introduction to Formal Methods and Specifications • Requirement Engineering I have taught the following courses at IST, Islamabad. • Software Engineering • Technical Writing
Honor and Awards	• Chaired the most successful open house (2010) of UIIT • Member of UIIT study board
Honor Students	19
Publications	19



Performa 9

Faculty Resume

Name	Aisha Umair
Personal	Address House # 263-G, Block- E, Satellite Town Rawalpindi. Pakistan Mobile No. +92-322-5054264
Experience	May 2009-to date Lecturer Pir Mehr Ali Shah Arid Agriculture University, UIIT Rawalpindi.
Graduate Students	Years Degree Name
Undergraduate Students	2010 BS (CS) Rabia Awan, Ruqayya Awan, Mohammad Afzaal Khan
Honor Students	2010 BS (CS) Muhammad Azeem, Muhammad Waqas, Kaleem Ullah
	2010 MCS Adnan Mehmod, Nosheen Manzoor
	2010 MCS Tahir Ali, Afshan Gulzar, Misbah Hafeez, Muhammad Raheel
	2010 MCS Safeer Israr, Sehrish Rasool, Sohail Bashir Chughtai, Muhammad Sajjad

Performa 9



Faculty Resume

Name	Bushra Hamid		
Personal	Cell No: 03325137197 Address-No p-1449, Ghazi Road Rawalpindi		
Experience	Date:5-05-2009 Title: Lecturer Institution: PMAS,Arid Agriculture University, Rawalpindi		
Honor and Awards	Merit scholarship in all semesters during Masters degree 2 nd Position in class in MCS		
Memberships	N/A		
Graduate Students	Years	Degree	Name
Undergraduate Students	2010	PGD(IT)	Abdul Raziq, Muzzamil Ahmed, M. Waris Bhatti
Honor Students	2010	PGD(IT)	Hanif-ur- Rehman, Noor rehman
	2010	PGD(IT)	Tassawar Hussain, M. Bashir Feroz, M. Asif
	2010	PGD(IT)	Adnan Mumtaz , Nasir Shehzad, Nazia Khaliq
Service Activity	N/A		

Performa 9



Faculty Resume

Name	Syed Mushhad Mustuzhar Gilani
Personal	Room # 05, UIIT, PMAS-Arid Agriculture University, Rawalpindi, 0300-6604200
Experience	• 2009– Current UIIT, PMAS-Arid Agriculture University Rawalpindi Lecturer Major course taught during my tenure at UIIT so far include: MCS/MIT/PGD • Computer Communication and Network • Operating System • Telecommunication Technologies
List supervision of graduate students, postdocs and undergraduate honors theses showing:	23
Publications	5



Performa 9

Faculty Resume

Name	Saqib Majeed
Personal	UIIT, University institute of Information Technology, Muree Road Rawalpindi Email: saqib@uaar.edu.pk
Experience	Lecturer 2006 to Date PMAS, Arid Agriculture University Rawalpindi Research Associate 3 Year experience PMAS, Arid Agriculture University Rawalpindi
Memberships	
Graduate Students Undergraduate Students ,Honor Students	Under Graduate Students I have supervised multiple undergraduate projects in my career.
Service Activity	Teaching and Research Activities at UIIT

ANNEXURE V: FACULTY COURSE REVIEW REPORT

Faculty course review report for the courses those have been evaluated either in Teacher evaluation or in Student course evaluation.

Performa 2

Faculty Course Review Report



(To be filed by each teacher at the time of Course Completion)

For completion by the course instructor and transmission to Head of Department of his/her nominee (Dept. Quality Officer) together with copies of the Course Syllabus outline

Department:	Computer Science		Faculty:	University Institute of Information Technology	
Course Code	CS-536	Title:	Theory of Automata and Formal Languages		
Session:	2009	Semester:	Fall		
Credit Value:	3(3-0)	Level:	BS CS-3	Prerequisites:	
Name Of Course Instructor:	Sheeraz Akram	No. of Students Contact Hours	Lectures (3 hours) Labs (N/A)		
Assessment Methods: Give precise details (no & length of assignments, exams weightings, etc.)	Quizzes, Assignment, Mid Term, Final term				

Distribution of Grade/ Marks and other Outcomes (adopt the grading system as required)

Undergraduate	Originally	%Grade A	%Grade B	%Grade C	D	E	F	No Grade	Withdrawal	Total
No Of Students	49	14.19	37.78	24.49	14.29	8.16				
Post Graduate	Originally Registered	%Grade A	%Grade B	%Grade C	D	E	F	No Grade	Withdrawal	Total
No. of Students										

Overview /Evaluation (Course Co-Coordinator's Comments)

Feedback: first Summarize, then comment feedback received form:

(These boxes will expand as you type in your answer.)

1) Student (Course Evaluation) Questionnaires

2) External Examiners or Moderators (if any)

3) Student/Staff Consultative Committee (SSCC) or equivalent, (if any)

4) Curriculum: comments on the continuing appropriateness of the Course curriculum in relation to the intended learning outcomes (course objectives) and its compliance with the HEC Approved/Revised National Curriculum Guidelines.
The course curriculum is in accordance with HEC approved guidelines

5) Assessment: comment on the continuing effectiveness of method(s) of assessment in relation to the intended learning outcomes (Course Objectives)

6) Enhancement: comment on the implementation of changes proposed in earlier
Faculty Course Review Reports

7) Outline any changes in the future delivery or structure of the Course that this
semester/term's experience may prompt.

Name: Sheeraz Akram Date _____
(Course Instructor)

Name: Dr. Sohail Asghar Date _____
(Director)

Performa 2

Faculty Course Review Report

(To be filed by each teacher at the time of Course Completion)



For completion by the course instructor and transmission to Head of Department of his/her nominee (Dept. Quality Officer) together with copies of the Course Syllabus outline

Department:	Computer Science		Faculty:	University Institute of Information Technology	
Course Code	CS-452	Title:	Software Engineering-I		
Session:	2010	Semester:	Spring		
Credit Value:	3(3-0)	Level:	BS CS-4	Prerequisites:	
Name Of Course Instructor:	Bushra Hamid	No. of Students Contact Hours	Lectures (3 hours) Labs (N/A)		
Assessment Methods: Give precise details (no & length of assignments, exams weightings, etc)	Quizzes, Assignment, Mid Term, Final term				

Distribution of Grade/ Marks and other Outcomes (adopt the grading system as required)

Undergraduate	Originally	%Grade A	%Grade B	%Grade C	D	E	F	No Grade	Withdrawal	Total

No Of Students	58	7	26	18	3		3			
Post Graduate	Originally Registered	%Grade A	%Grade B	%Grade C	D	E	F	No Grade	Withdrawal	Total
No. of Students										

Overview /Evaluation (Course Co-Coordinator's Comments)

Feedback: first Summarize, then comment feedback received form:

(These boxes will expand as you type in your answer.)

1) Student (Course Evaluation) Questionnaires

2) External Examiners or Moderators (if any)

3) Student/Staff Consultative Committee (SSCC) or equivalent, (if any)

4) Curriculum: comments on the continuing appropriateness of the Course curriculum in relation to the intended learning outcomes (course objectives) and its compliance with the HEC Approved/Revised National Curriculum Guidelines.

The course curriculum is in accordance with HEC approved guidelines

5) Assessment: comment on the continuing effectiveness of method(s) of assessment in relation to the intended learning outcomes (Course Objectives)

6) Enhancement: comment on the implementation of changes proposed in earlier
Faculty Course Review Reports

7) Outline any changes in the future delivery or structure of the Course that this
semester/term's experience may prompt.

Name: Bushra Hamid Date _____

(Course Instructor)

Name: Dr. Sohail Asghar Date _____

(Director)

Performa 2

Faculty Course Review Report

(To be filed by each teacher at the time of Course Completion)



For completion by the course instructor and transmission to Head of Department of his/her nominee (Dept. Quality Officer) together with copies of the Course Syllabus outline

Department:	Computer Science		Faculty:	University Institute of Information Technology	
Course Code	CS-443	Title:	Data Structures and Algorithms		
Session:	2010	Semester:	Spring		
Credit Value:	4(3-3)	Level:	BS CS-4	Prerequisites:	
Name Of Course Instructor:	Muhammad Nazir	No. of Students Contact Hours	Lectures (3 hours) Labs (3 hours)		
Assessment Methods: Give precise details (no & length of assignments, exams weightings, etc)	Quizzes, Assignment, Mid Term, Final term, Lab, Practical				

Distribution of Grade/ Marks and other Outcomes (adopt the grading system as required)

Undergraduate	Originally	%Grade A	%Grade B	%Grade C	D	E	F	No Grade	Withdrawal	Total

No Of Students	35	3%	6%	28%	25%		37%			
Post Graduate	Originally Registered	%Grade A	%Grade B	%Grade C	D	E	F	No Grade	Withdrawal	Total
No. of Students										

Overview /Evaluation (Course Co-Coordinator's Comments)

Feedback: first Summarize, then comment feedback received form:(These boxes will expand as you type in your answer.)

1) Student (Course Evaluation) Questionnaires

2) External Examiners or Moderators (if any)

3) Student/Staff Consultative Committee (SSCC) or equivalent, (if any)

4) Curriculum: comments on the continuing appropriateness of the Course curriculum in relation to the intended learning outcomes (course objectives) and its compliance with the HEC Approved/Revised National Curriculum Guidelines.

The course curriculum is in accordance with HEC approved guidelines

5) Assessment: comment on the continuing effectiveness of method(s) of assessment in relation to the intended learning outcomes (Course Objectives)

6) Enhancement: comment on the implementation of changes proposed in earlier

Faculty Course Review Reports

- 7) Outline any changes in the future delivery or structure of the Course that this semester/term's experience may prompt.

Name: Muhammad Nazir Date _____

(Course Instructor)

Name: Dr. Sohail Asghar Date _____

(Director)

Performa 2

Faculty Course Review Report

(To be filed by each teacher at the time of Course Completion)



For completion by the course instructor and transmission to Head of Department of his/her nominee (Dept. Quality Officer) together with copies of the Course Syllabus outline

Department:	Computer Science		Faculty:	University Institute of Information Technology	
Course Code	CS-600	Title:	Distributed Database System		
Session:	2009	Semester:	Fall		
Credit Value:	3(2-3)	Level:	BS CS-7	Prerequisites:	
Name Of Course Instructor:	Muhammad Ramzan	No. of Students Contact Hours	Lectures (2 hours) Labs (3 hours)		
Assessment Methods: Give precise details (no & length of assignments, exams weightings, etc)	Quizzes, Assignment, Mid Term, Final term, Lab, Practical				

Distribution of Grade/ Marks and other Outcomes (adopt the grading system as required)

Undergraduate	Originally	%Grade A	%Grade B	%Grade C	D	E	F	No Grade	Withdrawal	Total

No Of Students	40	3	30	5			2			
Post Graduate	Originally Registered	%Grade A	%Grade B	%Grade C	D	E	F	No Grade	Withdrawal	Total
No. of Students										

Overview /Evaluation (Course Co-Coordinator's Comments)

Feedback: first Summarize, then comment feedback received form:(These boxes will expand as you type in your answer.)

1) Student (Course Evaluation) Questionnaires

2) External Examiners or Moderators (if any)

3) Student/Staff Consultative Committee (SSCC) or equivalent, (if any)

4) Curriculum: comments on the continuing appropriateness of the Course curriculum in relation to the intended learning outcomes (course objectives) and its compliance with the HEC Approved/Revised National Curriculum Guidelines.

The course curriculum is in accordance with HEC approved guidelines

5) Assessment: comment on the continuing effectiveness of method(s) of assessment in relation to the intended learning outcomes (Course Objectives)

6) Enhancement: comment on the implementation of changes proposed in earlier Faculty Course Review Reports

7) Outline any changes in the future delivery or structure of the Course that this semester/term's experience may prompt.

Name: Muhammad Ramzan Date _____

(Course Instructor)

Name: Dr. Sohail Asghar Date _____

(Director)

Performa 2

Faculty Course Review Report

(To be filed by each teacher at the time of Course Completion)



For completion by the course instructor and transmission to Head of Department of his/her nominee (Dept. Quality Officer) together with copies of the Course Syllabus outline

Department:	Computer Science		Faculty:	University Institute of Information Technology	
Course Code	CS-423	Title:	Object Oriented Programming		
Session:	2009	Semester:	Fall		
Credit Value:	4(3-3)	Level:	BS CS-3	Prerequisites:	
Name Of Course Instructor:	Aisha Umair	No. of Students Contact Hours	Lectures (3 hours) Labs (3 hours)		
Assessment Methods: Give precise details (no & length of assignments, exams weightings, etc)	Quizzes, Assignment, Mid Term, Final term, Lab, Practical				

Distribution of Grade/ Marks and other Outcomes (adopt the grading system as required)

Undergraduate	Originally	%Grade A	%Grade B	%Grade C	D	E	F	No Grade	Withdrawal	Total

No Of Students	65	6	27	27	4		1		1	
Post Graduate	Originally Registered	%Grade A	%Grade B	%Grade C	D	E	F	No Grade	Withdrawal	Total
No. of Students										

Overview /Evaluation (Course Co-Coordinator's Comments)

Feedback: first Summarize, then comment feedback received form:(These boxes will expand as you type in your answer.)

1) Student (Course Evaluation) Questionnaires

2) External Examiners or Moderators (if any)

3) Student/Staff Consultative Committee (SSCC) or equivalent, (if any)

4) Curriculum: comments on the continuing appropriateness of the Course curriculum in relation to the intended learning outcomes (course objectives) and its compliance with the HEC Approved/Revised National Curriculum Guidelines.
The course curriculum is in accordance with HEC approved guidelines

5) Assessment: comment on the continuing effectiveness of method(s) of assessment in relation to the intended learning outcomes (Course Objectives)

6) Enhancement: comment on the implementation of changes proposed in earlier Faculty Course Review Reports

7) Outline any changes in the future delivery or structure of the Course that this semester/term's experience may prompt.

Name: Aisha Umair Date _____

(Course Instructor)

Name: Dr. Sohail Asghar Date _____

(Director)

Performa 2

Faculty Course Review Report

(To be filed by each teacher at the time of Course Completion)



For completion by the course instructor and transmission to Head of Department of his/her nominee (Dept. Quality Officer) together with copies of the Course Syllabus outline

Department:	Computer Science		Faculty:	University Institute of Information Technology	
Course Code	CS-552	Title:	Software Engineering-II		
Session:	2009	Semester:	Fall		
Credit Value:	3(2-3)	Level:	BS CS-5	Prerequisites:	
Name Of Course Instructor:	Iram Rubab	No. of Students Contact Hours	Lectures (2 hours) Labs (3 hours)		
Assessment Methods: Give precise details (no & length of assignments, exams weightings, etc)	Quizzes, Assignment, Mid Term, Final term, Lab, Practical				

Distribution of Grade/ Marks and other Outcomes (adopt the grading system as required)

Undergraduate	Originally	%Grade A	%Grade B	%Grade C	D	E	F	No Grade	Withdrawal	Total

No Of Students	34	3	18	10	1		2			
Post Graduate	Originally Registered	%Grade A	%Grade B	%Grade C	D	E	F	No Grade	Withdrawal	Total
No. of Students										

Overview /Evaluation (Course Co-Coordinator's Comments)Feedback: first Summarize, then comment feedback received form:(These boxes will expand as you type in your answer.)

1) Student (Course Evaluation) Questionnaires

2) External Examiners or Moderators (if any)

3) Student/Staff Consultative Committee (SSCC) or equivalent, (if any)

4) Curriculum: comments on the continuing appropriateness of the Course curriculum in relation to the intended learning outcomes (course objectives) and its compliance with the HEC Approved/Revised National Curriculum Guidelines.
The course curriculum is in accordance with HEC approved guidelines

5) Assessment: comment on the continuing effectiveness of method(s) of assessment in relation to the intended learning outcomes (Course Objectives)

6) Enhancement: comment on the implementation of changes proposed in earlier Faculty Course Review Reports

7) Outline any changes in the future delivery or structure of the Course that this semester/term's experience may prompt.

Name: Iram Rubab Date _____

(Course Instructor)

Name: Dr. Sohail Asghar Date _____

(Director)

Performa 2

Faculty Course Review Report

(To be filed by each teacher at the time of Course Completion)



For completion by the course instructor and transmission to Head of Department of his/her nominee (Dept. Quality Officer) together with copies of the Course Syllabus outline

Department:	Computer Science		Faculty:	University Institute of Information Technology	
Course Code	CS-536	Title:	Theory of Automata and Formal Languages		
Session:	2009	Semester:	Fall		
Credit Value:	3(3-0)	Level:	BS CS-3	Prerequisites:	
Name Of Course Instructor:	Iram Rubab	No. of Students Contact Hours	Lectures (3 hours) Labs (N/A)		
Assessment Methods: Give precise details (no & length of assignments, exams weightings, etc)	Quizzes, Assignment, Mid Term, Final term				

Distribution of Grade/ Marks and other Outcomes (adopt the grading system as required)

Undergraduate	Originally	%Grade A	%Grade B	%Grade C	D	E	F	No Grade	Withdrawal	Total

No Of Students	48	8	12	10	5		13			
Post Graduate	Originally Registered	%Grade A	%Grade B	%Grade C	D	E	F	No Grade	Withdrawal	Total
No. of Students										

Overview /Evaluation (Course Co-Coordinator's Comments)Feedback: first Summarize, then comment feedback received form:

(These boxes will expand as you type in your answer.)

1) Student (Course Evaluation) Questionnaires

2) External Examiners or Moderators (if any)

3) Student/Staff Consultative Committee (SSCC) or equivalent, (if any)

4) Curriculum: comments on the continuing appropriateness of the Course curriculum in relation to the intended learning outcomes (course objectives) and its compliance with the HEC Approved/Revised National Curriculum Guidelines.
The course curriculum is in accordance with HEC approved guidelines

5) Assessment: comment on the continuing effectiveness of method(s) of assessment in relation to the intended learning outcomes (Course Objectives)

6) Enhancement: comment on the implementation of changes proposed in earlier
Faculty Course Review Reports

7) Outline any changes in the future delivery or structure of the Course that this
semester/term's experience may prompt.

Name: Iram Rubab Date _____
(Course Instructor)

Name: Dr. Sohail Asghar Date _____
(Director)

Performa 2

Faculty Course Review Report

(To be filed by each teacher at the time of Course Completion)



For completion by the course instructor and transmission to Head of Department of his/her nominee (Dept. Quality Officer) together with copies of the Course Syllabus outline

Department:	Computer Science	Faculty:	University Institute of Information Technology		
Course Code	MGT-316	Title:	Introduction to Marketing		
Session:	2009	Semester:	Fall		
Credit Value:	3(3-0)	Level:	BS CS-2	Prerequisites:	
Name Of Course Instructor:	Fakhra Mushtaq	No. of Students Contact Hours	Lectures (3 hours) Labs (N/A)		
Assessment Methods: Give precise details (no & length of assignments, exams weightings, etc)	Quizzes, Assignment, Mid Term, Final term, Case studies				

Distribution of Grade/ Marks and other Outcomes (adopt the grading system as required)

Undergraduate	Originally	%Grade A	%Grade B	%Grade C	D	E	F	No Grade	Withdrawal	Total

No Of Students	84	24	35	18	4		3			
Post Graduate	Originally Registered	%Grade A	%Grade B	%Grade C	D	E	F	No Grade	Withdrawal	Total
No. of Students										

Overview /Evaluation (Course Co-Coordinator's Comments)Feedback: first Summarize, then comment feedback received form:(These boxes will expand as you type in your answer.)

1) Student (Course Evaluation) Questionnaires

2) External Examiners or Moderators (if any)

3) Student/Staff Consultative Committee (SSCC) or equivalent, (if any)

4) Curriculum: comments on the continuing appropriateness of the Course curriculum in relation to the intended learning outcomes (course objectives) and its compliance with the HEC Approved/Revised National Curriculum Guidelines.
The course curriculum is in accordance with HEC approved guidelines

5) Assessment: comment on the continuing effectiveness of method(s) of assessment in relation to the intended learning outcomes (Course Objectives)

6) Enhancement: comment on the implementation of changes proposed in earlier Faculty Course Review Reports

7) Outline any changes in the future delivery or structure of the Course that this semester/term's experience may prompt.

Name: Fakhra Mushtaq Date _____

(Course Instructor)

Name: Dr. Sohail Asghar Date _____

(Director)

Performa 2

Faculty Course Review Report

(To be filed by each teacher at the time of Course Completion)



For completion by the course instructor and transmission to Head of Department of his/her nominee (Dept. Quality Officer) together with copies of the Course Syllabus outline

Department:	Computer Science		Faculty:	University Institute of Information Technology	
Course Code	CS-565	Title:	Web Design and Development		
Session:	2009	Semester:	Fall		
Credit Value:	3(2-3)	Level:	BS CS-5	Prerequisites:	
Name Of Course Instructor:	Nasir Minhas	No. of Students Contact Hours	Lectures (2 hours) Labs (3 hours)		
Assessment Methods: Give precise details (no & length of assignments, exams weightings, etc)	Quizzes, Assignment, Mid Term, Final term, Lab, Practical				

Distribution of Grade/ Marks and other Outcomes (adopt the grading system as required)

Undergraduate	Originally	%Grade A	%Grade B	%Grade C	D	E	F	No Grade	Withdrawal	Total

No Of Students	38	10	13	11	04					
Post Graduate	Originally Registered	%Grade A	%Grade B	%Grade C	D	E	F	No Grade	Withdrawal	Total
No. of Students										

Overview /Evaluation (Course Co-Coordinator's Comments)Feedback: first Summarize, then comment feedback received form:(These boxes will expand as you type in your answer.)

1) Student (Course Evaluation) Questionnaires

2) External Examiners or Moderators (if any)

3) Student/Staff Consultative Committee (SSCC) or equivalent, (if any)

4) Curriculum: comments on the continuing appropriateness of the Course curriculum in relation to the intended learning outcomes (course objectives) and its compliance with the HEC Approved/Revised National Curriculum Guidelines.
The course curriculum is in accordance with HEC approved guidelines

5) Assessment: comment on the continuing effectiveness of method(s) of assessment in relation to the intended learning outcomes (Course Objectives)

6) Enhancement: comment on the implementation of changes proposed in earlier Faculty Course Review Reports

7) Outline any changes in the future delivery or structure of the Course that this semester/term's experience may prompt.

Name: Nasir Minhas Date _____

(Course Instructor)

Name: Dr. Sohail Asghar Date _____

(Director)

Performa 2

Faculty Course Review Report

(To be filed by each teacher at the time of Course Completion)



For completion by the course instructor and transmission to Head of Department of his/her nominee (Dept. Quality Officer) together with copies of the Course Syllabus outline

Department:	Computer Science		Faculty:	University Institute of Information Technology	
Course Code	CS-577	Title:	Computer Communication and Networks		
Session:	2010	Semester:	Spring		
Credit Value:	3(3-0)	Level:	BS CS-4	Prerequisites:	
Name Of Course Instructor:	Mushhad Gillani	No. of Students Contact Hours	Lectures (3 hours) Labs (N/A)		
Assessment Methods: Give precise details (no & length of assignments, exams weightings, etc)	Quizzes, Assignment, Mid Term, Final term				

Distribution of Grade/ Marks and other Outcomes (adopt the grading system as required)

Undergraduate	Originally	%Grade A	%Grade B	%Grade C	D	E	F	No Grade	Withdrawal	Total

No Of Students	48	3	9	14	15	7				
Post Graduate	Originally Registered	%Grade A	%Grade B	%Grade C	D	E	F	No Grade	Withdrawal	Total
No. of Students										

Overview /Evaluation (Course Co-Coordinator's Comments)Feedback: first Summarize, then comment feedback received form:(These boxes will expand as you type in your answer.)

1) Student (Course Evaluation) Questionnaires

2) External Examiners or Moderators (if any)

3) Student/Staff Consultative Committee (SSCC) or equivalent, (if any)

4) Curriculum: comments on the continuing appropriateness of the Course curriculum in relation to the intended learning outcomes (course objectives) and its compliance with the HEC Approved/Revised National Curriculum Guidelines.
The course curriculum is in accordance with HEC approved guidelines

5) Assessment: comment on the continuing effectiveness of method(s) of assessment in relation to the intended learning outcomes (Course Objectives)

6) Enhancement: comment on the implementation of changes proposed in earlier Faculty Course Review Reports

7) Outline any changes in the future delivery or structure of the Course that this semester/term's experience may prompt.

Name: Mushhad Gillani Date _____

(Course Instructor)

Name: Dr. Sohail Asghar Date _____

(Director)

Performa 2

Faculty Course Review Report

(To be filed by each teacher at the time of Course Completion)



For completion by the course instructor and transmission to Head of Department of his/her nominee (Dept. Quality Officer) together with copies of the Course Syllabus outline

Department:	Computer Science		Faculty:	University Institute of Information Technology	
Course Code	CS-632	Title:	Artificial Intelligence		
Session:	2010	Semester:	Spring		
Credit Value:	3(2-3)	Level:	BS CS-6	Prerequisites:	
Name Of Course Instructor:	Shehzad Saqib	No. of Students Contact Hours	Lectures (2 hours) Labs (3 hours)		
Assessment Methods: Give precise details (no & length of assignments, exams weightings, etc)	Quizzes, Assignment, Mid Term, Final term, Lab, Practical				

Distribution of Grade/ Marks and other Outcomes (adopt the grading system as required)

Undergraduate	Originally	%Grade A	%Grade B	%Grade C	D	E	F	No Grade	Withdrawal	Total

No Of Students	40	2.5%	32.5%	22.5%	4%		2.5%			
Post Graduate	Originally Registered	%Grade A	%Grade B	%Grade C	D	E	F	No Grade	Withdrawal	Total
No. of Students										

Overview /Evaluation (Course Co-Coordinator's Comments)

Feedback: first Summarize, then comment feedback received form: (These boxes will expand as you type in your answer.)

1) Student (Course Evaluation) Questionnaires

2) External Examiners or Moderators (if any)

3) Student/Staff Consultative Committee (SSCC) or equivalent, (if any)

4) Curriculum: comments on the continuing appropriateness of the Course curriculum in relation to the intended learning outcomes (course objectives) and its compliance with the HEC Approved/Revised National Curriculum Guidelines.
The course curriculum is in accordance with HEC approved guidelines

5) Assessment: comment on the continuing effectiveness of method(s) of assessment in relation to the intended learning outcomes (Course Objectives)

6) Enhancement: comment on the implementation of changes proposed in earlier Faculty Course Review Reports

7) Outline any changes in the future delivery or structure of the Course that this semester/term's experience may prompt.

Name: Muhammad Nazir Date _____

(Course Instructor)

Name: Dr. Sohail Asghar Date _____

(Director)