

KINGDOM OF SAUDI ARABIA

***THE NATIONAL COMMISSION FOR ACADEMIC
ACCREDITATION & ASSESSMENT***

COURSE SPECIFICATION
HASEB 123

Revised March 2007

Course Specification

For Guidance on the completion of this template, please refer to of Handbook 2 Internal Quality Assurance Arrangements

Institution : Almajmaah University
College/Department : Al-Majma'ah Community College- Department of Applied and Natural Science

A Course Identification and General Information

1. Course title and code : Introduction in Operating Systems - computer 123
2. Credit hours : 3 hours
3. Program(s) in which the course is offered. (If general elective available in many programs indicate this rather than list programs) Computer major/Preparation program
4. Name of faculty member responsible for the course : Sharfi Mustafa Abbass
5. Level/year at which this course is offered : the Second
6. Pre-requisites for this course (if any) : 110 haser
7. Co-requisites for this course (if any) : nothing
8. Location if not on main campus : The Community college at Room: 1A-2 and Lab 5A-1

B Objectives

1. Summary of the main learning outcomes for students enrolled in the course.

Brief description of the basic educational outcomes for the collegiate registered in this Curriculum:

1-a- Recognition of Operating System types.

1-b- Components of Operating Systems (OS).

1-c- Functions of each part of the Operating Systems (OS).

1-d- Task Manager function in the (OS).

1-e- Folder Options function in the (OS).

1-f- Virtual Memory (RAM) function in the (OS).

Or My Computer and Hard Disk Drives.

1-g- Types of translators.

1-h- System Tools

• Windows XP and LINUX as applied models of the (OS).

2. Briefly describe any plans for developing and improving the course that are being implemented. (eg increased use of IT or web based reference material, changes in content as a result of new research in the field)

Description of plans executed in the mean time for development and improvement.

3- Considered included within Program requirements which being revised periodically by Plans and Academic Schedule Committee to assure conformity with advancements and current circumstances in the Specialization with respect to:

3-a- Using modern references of the Specialization.

3-b- Recognition of the up-to-date (latest) Operating Systems.

3-c- Scientific Research Outcomes.

3-d- Scientific Seminars and Conferences.

C. Course Description (Note: General description in the form to be used for the Bulletin or Handbook should be attached)

1 Topics to be Covered		
Topic	No of Weeks	Contact hours
Operating System Types. • Mono-purpose Operating System. • Mono-task Operating System. • Mono-user Operating System	1	
Multiple tasks Operating System. • Multi-purpose Operating System. • Multiple users Operating System	2	
Centre Processing Unit (CPU)	3	
• Operating Unit Registers .	4	
• Order the priority of processing application .	5	
• Task Manager. • Task and Process 6	6	
Control of the Processes	7	
• Synchronization and correspondence between Processes	8	
Folder Options	9	
File and Folder Management. • Naming and Renaming of Files and Folders 10	10	
Virtual Memory (RAM) management methods . Or My Computer and Hard Disk Drives	11	
Hard Disk Partitioning methods .	12	
System Tools (Editing and Translating)	13	
AutoCorrect and Track changes. • Links and Hyperlinks	14	
Practical example on Linux Operating System	15	

2 Course components (total contact hours per semester):			
Lecture: 2 hours	Tutorial: 2 hours	Practical/Fieldwork/Internship:	Other:

3. Additional private study/learning hours expected for students per week. (This should be an average :for the semester not a specific requirement in each week)

A student has to study at an average of 6 hours weekly ,i.e in an average of 90 hours at a semester

<p>4. Development of Learning Outcomes in Domains of Learning</p> <p>For each of the domains of learning shown below indicate:</p> <ul style="list-style-type: none"> • A brief summary of the knowledge or skill the course is intended to develop; • A description of the teaching strategies to be used in the course to develop that knowledge or skill; • The methods of student assessment to be used in the course to evaluate learning outcomes in the domain concerned.
<p>a. Knowledge</p>
<p>(i) Description of the knowledge to be acquired</p> <p>1-Recognition of basic (fundamental) concepts in Operating Systems. 2- Recognition of Operating Systems’ Classification. 3- Recognition of Data Processing. 4- Recognition of Shell Commands</p>
<p>(ii) Teaching strategies to be used to develop that knowledge</p> <p>1-Lecture. 3- Practical exercise. 4- Studies and Researches in the field of Operating Systems.</p>
<p>(iii) Methods of assessment of knowledge acquired</p> <p>1- Written and Spoken Tests and Exams. 2- Quizzes. 3- Home works and Assignments</p>

b. Cognitive Skills

(i) Cognitive skills to be developed

The ability to analyse the contemporary issues related to the challenges which the Academic Specialization encounters, and how to deal with by using a scientific and systematic approach.

(ii) Teaching strategies to be used to develop these cognitive skills

Ideational analysis of that issues, and attempt to fragment and analyze them in order to bring about appropriate solutions

(iii) Methods of assessment of students cognitive skills

Provide the students with problems in order to solve them out.

3. Personal relationship skills and responsibility

c. Interpersonal Skills and Responsibility

(i) Description of the interpersonal skills and capacity to carry responsibility to be developed

Skills of personal relations and responsibility

- 1.A description of personal relations skills with others and the ability of bearing responsibility needs to be improved

- -The ability of working as groups

- - The ability of leading discussion team

(ii) Teaching strategies to be used to develop these skills and abilities

-Learning strategies used in developing these skills and capabilities

-Involving students in group discussions

-Granting students leadership opportunity to lead discussion team

(iii) Methods of assessment of students interpersonal skills and capacity to carry responsibility

3- Ways of evaluating students achievements of personal relations skills and their ability of bearing responsibility

-Correcting group discussion

-Correcting the role done by the head of discussion

d. Communication, Information Technology and Numerical Skills

(i) Description of the skills to be developed in this domain.

A description of numeric skills and communication skills needed to be improved;

-Writing skill by reports -Oral communication by presentation and delivering
(ii) Teaching strategies to be used to develop these skills 2-Learning strategies used in developing these skills -Tasking students with doing written reports on subjects to be discussed in the course.
(iii) Methods of assessment of students numerical and communication skills 3- Methods of evaluating students achievements of communication skills ,IT technology and arithmetic skills(numeric) -Correcting written reports -Correcting students performance by presentation and delivery
e. Psychomotor Skills (if applicable)
(i) Description of the psychomotor skills to be developed and the level of performance required A description of motion skills (muscular skills of a psychological origin) that Need to be improved in this regard: not available
(ii) Teaching strategies to be used to develop these skills 2-Learning strategies used in promoting motion skills: not available
(iii) Methods of assessment of students psychomotor skills 3-Methods of evaluating students achievements of motion skills: not available 4- Determining time table for the correction tasks upon which students are evaluated during an academic

5. Schedule of Assessment Tasks for Students During the Semester			
Assessment	Assessment task (eg. essay, test, group project, examination etc.)	Week due	Proportion of Final Assessment
1	Reports and functions	3-5—9-13	10%
2	Functions	4-8-12	10%
3	Monthly first and exam	seventh	20%

4	Monthly twelfth and exam	thirteenth	20%
5	Final exam	according to exams schedule	40%

D. Student Support

1. Arrangements for availability of faculty for individual student consultations and academic advice.
(include amount of time faculty are available each week)

The number of office hours determined during the academic semester 15 hours weekly

Day

Saturday two office hours 10-12

Sunday one office hour 10-12

Monday one office hour 10-11

Tuesday one office hour 8-9

Wednesday one office hour 10-12

E Learning Resources

1. Required Text(s) :

Principal (Fundamental) Text Book (Books) required:

- Operating System Concepts- John Wiley & Sons, Inc.2004.

2. Essential References

Introduction in Operating System- Dr. Hussein Bahbouh and Haitham Sadeeq

3- Recommended Books and Reference Material (Journals, Reports, etc) (Attach List)

Suggested books and references (Scientific periodicals, reports,) published in the personal web site

<http://faculty.ksu.edu.sa/sharfi>

4-.Electronic Materials, Web Sites etc

Electronic materials and internet websites, etc

Published in the personal website

<http://faculty.ksu.edu.sa/sharfi>

5- Other learning material such as computer-based programs/CD, professional standards/regulations

Other Learning materials such as the programs that are accredited on computer or CDs or vocational standards or systems

Published in the personal web site

<http://faculty.ksu.edu.sa/sharfi>

F. Facilities Required

Indicate requirements for the course including size of classrooms and laboratories (ie number of seats in classrooms and laboratories, extent of computer access etc.)

1. Accommodation (Lecture rooms, laboratories, etc.)

Determine the course requirements including the volume of chapters and laboratories, i.e. the number of seats in the semesters and laboratories and the extent of providing computer sets, etc.

(a lecture hall with a capacity of 30 students\

2. Computing resources

-Computer workshop including 30 computers

3. Other resources (specify --eg. If specific laboratory equipment is required, list requirements or attach list)

other materials:

-Smart board +a projector

G Course Evaluation and Improvement Processes

1 Strategies for Obtaining Student Feedback on Effectiveness of Teaching

Strategies of getting feedback from students and learning efficiency-Questionnaires distributed to students to recognize their opinions and the extent of teaching method efficiency

- Working with the style of Focus Group to learn about students views concerning the course and the efficiency of teaching style

2 Other Strategies for Evaluation of Teaching by the Instructor or by the Department

Other strategies followed in evaluating the teaching process either by teachers or by the department
Periodical revision of the course/courses by the committee of teaching plans and schedules in the department

-Visitor instructors

-Peer review

3 Processes for Improvement of Teaching

processes of learning improvement

- Improving learning resources according to the recommendations of the committee of plans and teaching schedules at the department an internal revision and visitor instructors.

-Encouraging using modern technology in presenting teaching course

- Encouraging self learning processes

-Encouraging outer readings

-Promoting students for presentation and delivery

-Encouraging students for group discussion

4. Processes for Verifying Standards of Student Achievement (eg. check marking by an independent faculty member of a sample of student work, periodic exchange and remarking of a sample of assignments with a faculty member in another institution)

Taking the considerations of internal and external references revisions for improving and developing a course in a consequent manner

5 Describe the planning arrangements for periodically reviewing course effectiveness and planning for improvement.

