

Kingdom of Saudi Arabia  
Ministry Of Higher Education  
Majmaah University  
Deanship of Quality assurance  
and Human Development



## **Course Specification**

(Summary)

***Information Systems Fundamentals CIS 226***

1431/1432

# Course Specification

Institution: <b>Majmaah University</b>
College/Department : <b>College of Science (Zulfi) / Computer Science and Information Department</b>

## A- Course Identification and General Information

1. Course title and code: <b>Information Systems Fundamentals CIS 226</b>
2. Credit hours: <b>3</b>
4. Name of faculty member responsible for the course: <b>Dr.: Yosry A. Azzam</b>
5. Level/year at which this course is offered : <b>3</b>
6. Co-requisites for this course (if any): <b>Database CIS 125</b>
7. Location if not on main campus

## B- Objectives

<b>Definition of Information Systems, Philosophy of IT Department, IT Courses Interrelations, Survey of information systems technology, Strategies for IT design, Strategic Role for Information and Information Systems, Organizational Structure and Information Systems, Organizational Modeling, Enterprise-wide computing and networking, Conceptual foundations, The Decision-making process, Information Systems Strategic Planning, Information system requirements, designing the information architecture of an organization, Information systems products and services, Managing of Information Systems</b>
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## 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		
List of Topics	No of Weeks	Contact hours
<b>Course Introduction</b> <b>Introduction to Information systems and Information Technology</b>	<b>1</b>	<b>3</b>

<b>Foundation Concepts: Information Systems in Business</b>	<b>3</b>	<b>9</b>
<b>Foundation Concepts: The Components of Information Systems</b>		
<b>Competing with IT</b>	<b>2</b>	<b>6</b>
<b>Information Technologies:</b> <b>Computer Hardware</b>	<b>2</b>	<b>6</b>
<b>Information Technologies:</b> <b>Computer Software</b>	<b>2</b>	<b>6</b>
<b>Information Technologies:</b> <b>Data Resource Management</b>	<b>2</b>	<b>6</b>
<b>Information Technologies:</b> <b>Telecommunications and Networks</b>	<b>2</b>	<b>6</b>

2. Course components (total contact hours per semester):

Lecture: 42	Tutorial:	Laboratory:	Practical/Field work/Internship	Other:
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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): **5 hrs**

4. Schedule of Assessment Tasks for Students During the Semester

	<b>Exam</b>	<b>Week</b>	<b>Grade</b>
	<b>Midterm exam</b>	<b>6</b>	<b>15 %</b>
	<b>Practical exam</b>	<b>12</b>	<b>15 %</b>
	<b>Home work+quiz</b>	<b>Along the term</b>	<b>10 %</b>
	<b>Final exam</b>	<b>16</b>	<b>60 %</b>

#### **D- E Learning Resources.**

Required Text(s)
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<b>O'Brien and Marakas, Introduction to Information Systems (13<sup>th</sup> Ed.) McGraw Hill</b>
<p>2. Essential References</p> <ul style="list-style-type: none"> <li>- <b>Information Systems , the foundation of E-Business ,Steven Alter ,3rd Edition</b></li> <li>- <b>Information Systems ,Success in the 21st Century , Uma G. Gupta</b></li> </ul>
<p>3- Recommended Books and Reference Material (Journals, Reports, etc) (Attach List)</p> <ul style="list-style-type: none"> <li>- <b>Leonard Jessup and Joseph Valacich, "Information Systems Today: Why IS Matters" 2nd Edition, 2005, Prentice Hall, ISBN 0131454870 .</b></li> <li>- <b>Ralph Stair and George Reynolds, "Fundamentals of Information Systems" 3rd Edition 2005, Course Technology, ISBN 1423901134</b></li> </ul>
<p>4-.Electronic Materials, Web Sites etc</p> <p><b>There are many sites that are related to course topics</b></p>
<p>5- Other learning material such as computer-based programs/CD, professional standards/regulations</p> <p><b>Visual Basic, Java, C++, MySQL .... etc</b></p>

## **E- Assessment**

<ul style="list-style-type: none"> <li>- <b>Assessment of students.</b></li> <li>- <b>Assessment of teacher performance scheduled by questionnaires.</b></li> <li>- <b>Discussions of teachers with students.</b></li> <li>- <b>Department board discussions.</b></li> <li>- <b>Discussions between staff responsible for teaching the course.</b></li> </ul>
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