

**University:** Mansoura

**Faculty:** Nursing

**Program:** Master Degree in Nursing

**Department:** Adult care Nursing

### **Course specifications**

#### **1-Basic Information**

<b>Code:</b> MCA	<b>Course Title:</b> Computer Science علوم الحاسب الألى و البرمجة	<b>year/level:</b> 1 <sup>st</sup> Master Preparatory, ٢٠١١/٢٠١٢
<b>Hours: Theory</b> ١ hrs× ١٦ week= ١٦		<b>Practical</b> ٥ hrs× ١٦ week= ٨٠

For students undertaking this course, the aims are to:

The aim is to let the students have the ability to build medical information system

<b>A-Knowledge and Understanding:</b>	A١ - Design of information systems
<b>B-Intellectual Skills:</b>	B١ - Analysis of a given problem in medical information systems B٢ - Design of medical information systems B٣ - Implementation of medical Information system
<b>C-Professional Skills:</b>	C١ - writing programs required for implementation information systems
<b>D-General and Transferable:</b>	D١ - Design of medical information system

#### **٤ - Course content:**

- ١- Introduction
- ٢- Differences between data, information, and knowledge
- ٣- Types of information systems
- ٤- Modeling of information systems
- ٥- Requirements for computer based information systems
- ٦- Database for medical information system
- ٧- Telecommunications for medical information system
- ٨- Analysis of medical information system
- ٩- Design of medical information system
- ١٠- Implementation of medical information system
- ١١- Testing of the designed programs
- ١٢- Development of medical information system

12- Review and discussion							
<b>13- Teaching and learning Methods:</b>							
<ul style="list-style-type: none"> <li>- PowerPoint slides</li> <li>- Computer programs</li> </ul>							
<b>14- Teaching and learning Methods of Students with Special need:</b> Not Relevant							
<b>15- Student Assessment Methods:</b>							
<b>A- Assessment Methods</b>	Final written exam						
<b>B- Schedule</b>	-Final written exam. 14 week						
<b>C- Weighting of Assessments</b>	<table border="0"> <tr> <td>Final written exam</td> <td>0.</td> <td>100%</td> </tr> <tr> <td>Total</td> <td>0.</td> <td>100%</td> </tr> </table>	Final written exam	0.	100%	Total	0.	100%
Final written exam	0.	100%					
Total	0.	100%					
<b>16- List of references:</b>							
<b>A- Course notes</b>	Not applicable						
<b>B- Compulsory Books</b>	<ul style="list-style-type: none"> <li>• 1 - ) Jane P. and Kenneth C. (2009) Management Information Systems: Managing the Digital Firm &amp; Multimedia Student CD Package (10th Edition) Jane P. Laudon and Kenneth C. Laudon</li> <li>• 2 - O'Brien J. and Marakas G. (2010) Management Information Systems by James O'Brien and George Marakas</li> </ul>						
<b>C-Recommended Books</b>	- McLeod R. and Schell G(2009) Management Information Systems (10th Edition).						
<b>D- Periodicals, Web Sites,...etc</b>	<a href="http://web.ebscohost.com">http://web.ebscohost.com</a>						

**Course Coordinator:** Assistant Prof. Dr. Amira Hasanin

**Head of Department :** Assistant Prof. Dr. Amany Sheble

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