



كلية الحاسبات و المعلومات



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وحدة الضمان والجودة

## Professional Ethics & Legal Aspects Course Specifications

### Course Specifications

Program(s) on which the course is given	: Bachelor in Computer and Information Sciences
Major or Minor element of program	: all majors
Department offering the program	: Computer Science
Department offering the course	: Computer Science
Academic year / Level :	: Second Year/B.Sc.
Date of specification approval:	:

### A. Basic Information

Title: Professional Ethics& legal aspects	Code: HUM 216	
Lecture: 2 hrs/week	Practical: ---	Tutorial: ---
Credit Hours: ---	Total: 2 hrs/week	

### B. Professional Information

#### 1. Overall Aims of Course:

The aim of this module is to provide the student with basic knowledge to understand and manage the ethical and legal issues of professional work with computing and



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information technology.

## 2. Intended Learning Outcomes of Course (ILOs):

### 2.1- Knowledge and Understanding:

- a1- Knowledge of communication skills.
- a2- Have a comprehensive knowledge and critical awareness of selected specialist fields at the forefront of computer science, studied at masters level.
- a3- Interpreting and analyzing data qualitatively and/or quantitatively.
- a4- Describe how to determine system requirements and explain risk assessment and its role in system design.
- a5- Give an account on speaking and writing styles.

### 2.2- Intellectual Skills:

- b1- Identifying main ideas.
- b2- Identify attributes, components, relationships, patterns, main ideas, and errors.
- b3- Summarize the proposed solutions and their results.
- b4- Communicate effectively through oral presentations, computer presentations and written reports.
- b5- Perform comparisons between (methods, techniques...etc).
- b6- Identify attributes, components, relationships, patterns, main ideas, and errors.
- b7- Integrate techniques for gathering information, e.g. interviewing & questionnaires, and know when to use them.
- b8- Communicate effectively in English and design well-structured and convincing texts, in particular technical essays.



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### 2.3- Professional and Practical Skills:

- c1- To be able to consider alternative models of problems and apply practical and theoretical understanding to select appropriate solutions.
- c2- Able to design and inject solutions to scientific and engineering problems.
- c3- Perform independent information acquisition and management, using the scientific literature and Web sources.
- c4- Prepare and present seminars to a professional standard.
- c5- Communicate effectively by oral, written and visual means.
- c6- Deploy effectively the tools used for the construction and documentation of software, with particular emphasis on understanding the whole process involved in using computers to solve practical problems.
- c7- Use appropriate computer-based design support tools.
- c8- Prepare technical reports, and a dissertation, to a professional standard; use IT skills and display mature computer literacy.
- c9- Prove and disprove assertions using a variety of techniques.

### 2.4- General and Transferable Skills:

- d1- Communicate effectively through oral presentations, computer presentations and written reports.
- d2- Work within and contribute to a team, apply management skills such as co-ordination, project design and evaluation and decision processes.
- d3- Use of general ICT tools and facilities.
- d4- Prepare technical reports, and a dissertation, to a professional standard.
- d5- Be capable of applying both traditional and new concepts and skills.



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- d6- Use of browsers, and search engines for effective information-retrieval.
- d7- Work coherently, effectively and correctly in English language.
- d8- Write effective and descriptive requirements reports.

### 2.5- Attitude:

- e1- Relationship Emphasis a successful with other students.
- e2- Learn how to make relation with other, and the limit of this relation.
- e3- Know the culture of other peoples.

### 3. Contents:

Topic	N <sup>o</sup> of hours	lecture	Tutorial/practical
Necessity of law	2		
Characteristics of legal rule	2		
Sources of Egyptian law	2		
classification of law	2		
Law and ethics	2		
Computer crime and ethics	2		
Computers and intellectual property right	2		
Ownership and third property rights	2		
Applications to computers	2		
Computer and copyright	2		
Duration of protection	2		
Computer and principal of contracts	2		



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#### 4. Teaching and Learning Methods:

4.1- Lectures

4.2- Projects

4.3- Reports

#### 5. Student Assessment Methods:

5.1- Reports to assess Knowledge understanding

5.2- Project to assess Intellectual skills



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Oral

5.3- ----- to assess

Professional & Practical skills



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5.4- ----- to assess -----

5.5- ----- to assess -----

#### Assessment Schedule:

Assessment 1	4 th	Week	Oral
Assessment 2	8 th	Week	Midterm
Assessment 3	12 th	Week	Report
Assessment 4	14 th	Week	Project
Assessment 5		Week	

#### Weighting of Assessments:

Final-term Examination	80	%
Oral Examination	10	%
Practical Examination		%
Semester Work	10	%
Other Types of Assessments	--	

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Total	100	%
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**Any formative only assessments**



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## 6. List of References:

6.1- Course Notes: handout

6.2- Essential Books (Text Books) **Ethics & Information technology**  
Robert A. Schultz , 2007

6.3- Recommended Books

6.4- Periodicals , Web Sites, ....etc

## 7. Facilities Required for Teaching and Learning:

White Board & Data show.....

**Course Coordinator:** signature( )

**Head of Department:** signature( )

**Date:**