



# Course Specification

— (Bachelor)

**Course Title:** Ethics and Professional Practice

**Course Code:** IT 335

**Program:** Information Technology

**Department:** Information Technology

**College:** College of Computer and Information Sciences

**Institution:** Majmaah University

**Version:** 2

**Last Revision Date:** 31 May 2022



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## A. General information about the course:

### 1. Course Identification

1. Credit hours: 2(2,0,0)

### 2. Course type

A.  University  College  Department  Track  Others  
 B.  Required  Elective

3. Level/year at which this course is offered: (Level 6)

### 4. Course general Description:

This course will develop the ethical foundations of good professional practice in information technology. It will provide the necessary background of ethical theories and practices, and discuss the role of professional organizations in maintaining such practice, specifically in the information technology industry. Also, It considers legislation that applies in the information technology industry, including major areas of ethical related in information technology, such as, software ownership, data privacy, and computer cracking.

5. Pre-requirements for this course (if any):

70 Credits

6. Pre-requirements for this course (if any):

### 7. Course Main Objective(s):

- 1- Understand ethical theories: authoritarian, intuitionist, egoist, utilitarian, and deontologist.
- 2- Understand origin and purpose of professions, internal regulation versus external regulation, dimensions of professional responsibility, professional organizations: ethics and codes of conduct.
- 3- Recognize computer hacking, computer cracking, and difficulties with traditional legal concepts.
- 4- Understand the meaning of privacy, computer data and human dignity, the problematic status of information stored on computers.



5- Understand the Theories of property and ownership: Patent, Copyright, and trade secrets, and Ownership of computer software

## 2. Teaching mode (mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	30	100%
2	E-learning		
3	Hybrid <ul style="list-style-type: none"> <li>• Traditional classroom</li> <li>• E-learning</li> </ul>		
4	Distance learning		

## 3. Contact Hours (based on the academic semester)

No	Activity	Contact Hours
1.	Lectures	30
2.	Laboratory/Studio	
3.	Field	
4.	Tutorial	
5.	Others (specify)	
<b>Total</b>		30

## B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Code of CLOs aligned with program	Teaching Strategies	Assessment Methods
1.0	Knowledge and understanding			
1.1	CLO-1- Understand ethical theories: authoritarian, intuitionist, egoist, utilitarian, and deontologist.	K1	Class room Teaching	Quiz, Exam, Exam Mid Final





Code	Course Learning Outcomes	Code of CLOs aligned with program	Teaching Strategies	Assessment Methods
1.2	CLO-5- Understand the Theories of property and ownership: Patent, Copyright, and trade secrets, and Ownership of computer software	K1	Class room Teaching	Quiz, Exam, Exam Mid Final
...				
<b>2.0</b>	<b>Skills</b>			
2.1	CLO-4- Understand the meaning of privacy, computer data and human dignity, the problematic status of information stored on computers.	S3	Class room Teaching , Seminars	Quiz, Exam, Exam, Seminar, Presentation Mid Final
<b>3.0</b>	<b>Values, autonomy, and responsibility</b>			
3.1	CLO-2- Understand origin and purpose of professions, internal regulation versus external regulation, dimensions of professional responsibility, professional organizations: ethics and codes of conduct.	V2	Class room Teaching	Quiz, Mid Exam, Final Exam
3.3	CLO-3- Recognize computer hacking, computer cracking, and difficulties with	V2	Class room Teaching	Quiz, Mid Exam, Final Exam





Code	Course Learning Outcomes	Code of CLOs aligned with program	Teaching Strategies	Assessment Methods
	traditional legal concepts.			
3.4	CLO-4- Understand the meaning of privacy, computer data and human dignity, the problematic status of information stored on computers.	V2	Class room Teaching	Quiz, Mid Exam, Final Exam

### C. Course Content

No	List of Topics	Contact Hours
1.	Ethical theories: authoritarian, intuitionist, egoist, utilitarian, and deontologist	4
2.	The advantages and disadvantages of the two main theories: utilitarian and deontological	2
3.	In context examine the parameters and complexities of ethical practice in various health care contexts, ethical Principals define distinguish and apply the ethical principle of autonomy, on- malfeasance, beneficence, justice, fidelity, veracity	4
4.	Team, institutional and societal value commitments in light of changing contexts of practice, moral agency, ethics of care, narrative ethics, justice ethical deliberation	4
5.	Ethical tensions: distinguish between various types of ethical tensions including ethical uncertainty, theories	2
6.	Support diversity in communication ,knowledge of self and other, Engage in effective dialogue	2
7.	Intellectual Property Rights and Computer Technology	2
8.	Computer Crimes, Ethics in Cyberspace	4
9.	Ethical, Privacy, and Security Issues in the Online Social Network Ecosystems	2
10.	Mobile Systems and Their Intractable Social	2
11.	Ethical and Security Issues	2
<b>Total</b>		<b>30</b>





## D. Students Assessment Activities

No	Assessment Activities *	Assessment timing (in week no)	Percentage of Total Assessment Score
1.	Quizzes	Week 4, Week 12	10%
2.	Assignments	Week 3,6,9, 12	10%
3.	Seminar	Week 6,Week 12	20%
4.	Mid Term Exam	Week 8	20%
5.	Final Exam	Week 16	40%
...			

\*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.).

## E. Learning Resources and Facilities

### 1. References and Learning Resources

<b>Essential References</b>	Joseph M. Kizza: "Ethical and social issues in Information Age" 5th Edition Springer 2013.
<b>Supportive References</b>	Ethics in Information Technology by George Reynolds   Jan 1, 2018 Cengage Learning; 6th edition (January 1, 2018) ISBN-13 : 978-1337405874
<b>Electronic Materials</b>	
<b>Other Learning Materials</b>	

### 2. Required Facilities and equipment

Items	Resources
<b>facilities</b> (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	<b>Class Room, PC</b>
<b>Technology equipment</b> (projector, smart board, software)	<b>LCD Projector, Packet Tracer</b>
<b>Other equipment</b> (depending on the nature of the specialty)	



## F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching	Student	Indirect
Effectiveness of Students assessment	Instructor	Direct
Quality of learning resources	Instructor	Direct
The extent to which CLOs have been achieved		
Other		

**Assessors** (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify))

**Assessment Methods** (Direct, Indirect)

## G. Specification Approval

<b>COUNCIL /COMMITTEE</b>	<b>INFORMATION TECHNOLOGY</b>
<b>REFERENCE NO.</b>	
<b>DATE</b>	

