



**Future Academy**  
**Higher Future Institute for Specialized Technological Studies**

**Course Specification**

**1- Course information:**

<b>Course Code:</b>	HUM291
<b>Course Title:</b>	Professional Ethics
<b>Year/level</b>	2 <sup>nd</sup>
<b>Academic Programs</b>	Computer Science Program (B.Sc)
<b>Contact hours/ week</b>	(Theoretical =2hrs)

**2- Course aims:**

Ethics is designed to educate existing and future business managers on the tremendous impact ethical issues play in the use of computers in the modern business world. The course explores and discusses key ethical, legal and professional issues and responsibilities in Computing and other related fields. It examines emergent technologies within frameworks that highlight their ethical, legal and social implications. This course challenges students to think about connections among digital technologies, the responsibilities of computer science professionals, and social justice as they study topics such as privacy, confidentiality, security, intellectual property, software piracy, cybercrime, digital identity, software reliability, risk and safety and professional standards of conduct and codes of ethics.

**3- Intended learning outcomes of the course (ILOs):**

**a- Knowledge and understanding:**

**On successful completion of this course, the student should be able to:**

- a1- Define the fundamental concepts of ethics and legal issues involved in computer science.
- a2- Comprehend the management and business fundamentals which are related to IT workers' professional life.
- a3- State issues of moral, ethical, and professional involved in information industries.

**b- Intellectual skills:**

**On completing this course, the student should be able to:**

- b1- Apply and modify standards of computer system's to be appropriate to ethical issues associated with the computer science.
- b2- Realize the professional, moral and ethical issues that emerged from widespread of computer science.

b3- Assess researches about computer ethics, business (professional) ethics, ethical use of copyrighted material (books, music, movies).

b4- Interpret primary concepts of information privacy, databases, electronic profiling, spam, and other marketing activities.

### c- Professional and practical skills:

**At the end of this course, the student will be able to:**

c1- Use fundamental research skills from different resources as internet and library to emphasis on ethical issues that arise in the computing profession.

c2- Communicate with ethical considerations in business settings in both oral and written form.

c3- Acquire and manage information acquired from web and scientific researches considering plagiarism, copyrights, trademarks and software piracy.

c4- Calculate risk associated with undesirable events in software development process. Criticize ethical considerations in special procedures required to develop high-quality software and safety-critical systems.

### d- General and transferable skills:

**On successful completion of this course, the student should be able to:**

d1- Displays student's skills in using different learning resources to examine current and relevant researches to enhance their understanding of the subject.

d2- Demonstrate student abilities to take part, where applicable, in designated team-work, shouldering burdens, as part of a team, which adds value to group output in the organization.

d3- Communicate efficiently with others.

d4- Apply **communications** skills in presentation of information privacy, electronic profiling, spam, and other marketing activities.

d5- Respect working as a member or leader of a teamwork

## 4- Course contents

Week No.	Topics/units	Number of hours		ILO's
		Lecture hours	Practical hours	
1	Introduction to ethics and business code of conduct	2	-	a1,a3,b2,b4
2	Key ethical issues for organizations	2	-	a1,a2,b3,b4,c1,d1
3	Ethical decision-making approaches	2	-	a2,b2,b3,c2,c4
4	Non-Traditional workers+ Quiz 1	2	-	a2,b1,c4,d2,d3,d4,d5
5	Ethics for IT workers	2	-	a2,b1,b2,c4
6	Fighting corruption Internet crime	2	-	a3,b3,b4,c2,d4
7	Midterm Exam			
8	Privacy and anonymity issues	2	-	a3,b3,c1,c3,b4,d1,d2,d4,d5
9	Internet crimes I	2	-	a3,b3,b4,c1,c3,c4,d1
10	Internet crimes II	2	-	a3,b3,b4,c1,c3,c4,d1
11	Intellectual property rights+Quiz2	2	-	a3,b1,b2,c1,c3,d1
12	Engineering Quality Software	2	-	a1,a3,b3,c1,c4,d1
13	Practical cases in professional life	2	-	a1,a2,b1,b2,c2,c3,d2,d3,d4,d5
14	Final Revision	2		

## 5- Teaching and learning methods

Methods	ILO's																			
	a1	a2	a3	a4	a5	b1	b2	b3	b4	b5	c1	c2	c3	c4	c5	d1	d2	d3	d4	d5
Lectures	√	√	√			√	√	√	√		√	√	√	√		√	√	√	√	√
Practical sections																				
Self-learning								√			√					√				
Assays and reviews																				
Discussion groups													√				√	√	√	√
Brainstorming																				
Blended-learning																				
E-learning																				

## 6- Teaching and learning methods for Low-achieving students

- Extra teaching hours for those who need help
- More quizzes to assess their ability for understanding the course
- Encourage the team work for those students with other advanced ones to increase their participation and understanding

## 7- Student assessment

Assessment method	Time	Grade weight (%)	ILOs
Course Work ( Tutorial Exercise and Assignments)	Through the semester	25	a1,a2,a3,b2,b4,c2
Quiz 1	Through the lecture	5	a1,a2,a3,b2,b4
Mid-term exam	1 hours	15	a1,a2,a3,b1,b2,b3,c2
Quiz 2	Through the lecture	5	a1,a2,a3,b2,b4,c2,c4
Practical exam	2 hours	--	-
Final Written exam	2 hours	60	a1,a2,a3,b1,b2,b4

## 8-List of references

### 8.1. Student notebooks:

- Comprehensive instructor notes ("PowerPoint slides") are available on the course web page ("Google Classroom")

### 8.2. Essential textbooks:

- George W. Reynolds. Ethics in Information Technology, Fifth Edition. 2015 ©Course Technology, Cengage Learning, ISBN-13: 978-1-111-53412-7, ISBN-10: 1-111-53412-8

### 8.3. Recommended textbooks:

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### 8.4. Journals, Periodical and Reports .....etc.

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### 8.5. Websites

- [https://www.youtube.com/watch?v=KzWnap-Tg&list=PLbUzEs4yoxKHUN\\_4g5XY86AGnHkjpLxli](https://www.youtube.com/watch?v=KzWnap-Tg&list=PLbUzEs4yoxKHUN_4g5XY86AGnHkjpLxli)
- <https://www.youtube.com/watch?v=6ZiSqjADnlw&list=PLapcVE1H2i00NVgT25tjnU0e3nNN3IIPS>

**Course Coordinator:** *Dr. Fatma Harby*

**Head of department:** *Prof. Dr. Yasser F. Ramadan*

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