



Course Specification

— (Bachelor)

Course Title: **Professional Ethics**

Course Code: **500321-2**

Program: **Bachelor in Computer Science**

Department: **Department of Computer Science**

College: **College of Computers and Information Technology**

Institution: **Taif University**

Version: **V1.2024**

Last Revision Date: **01/02/2024**



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A. General information about the course:

1. Course Identification

1. Credit hours: (2)

2. Course type

A. University College Department Track Others
 B. Required Elective

3. Level/year at which this course is offered: (8/4)

4. Course general Description:

The course intends to cover the computer crime (viruses, worms, Trojan horses, hacking) and the ways to implementing computer ethics (computer professionals and social responsibility). Also the software copyright, piracy, privacy, security, and civil liberties and some selected topics such: Philosophical Foundations of Ethics, Ethics, Ethical Dissent and Whistle-blowing. Monopolies and their Economic, Social and Ethical Implications. This course provides a general overview of the social and ethical issues in computing. Students will learn about the impacts on and implications of the development, management and use of technology in various aspects. Emphasis is given to the issues which are relevant to the field of Information Systems

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

990414-2 (Islamic Culture (Human Rights))

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

None

7. Course Main Objective(s):

Appreciate the importance of ethics in computing through critically reflecting on major issues in computer ethics such as privacy, intellectual property and gender issues and understand the concept of different ethical theories and their impact on ethical analysis among these various techniques and apply and implement learned algorithm design techniques and data structures to solve problems.

2. Teaching mode (mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	2	100%
2	E-learning	0	0
3	Hybrid <ul style="list-style-type: none"> Traditional classroom 	0	0



No	Mode of Instruction	Contact Hours	Percentage
	• E-learning		
4	Distance learning	0	0

3. Contact Hours (based on the academic semester)

No	Activity	Contact Hours
1.	Lectures	30
2.	Laboratory/Studio	0
3.	Field	0
4.	Tutorial	0
5.	Others (specify)	0
Total		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	Explain and apply the basics of ethics for the field of computing.	K1	Lecture Discussion Case study	Written Exams Quizzes Assignments
1.2	Become aware of ethical issues related to privacy, security, intellectual property, gender.	K1	Lecture Discussion Case study	Written Exams Quizzes Assignments
2.0	Skills			
2.1	Become able to involve in a managerial and	S1	Group Work	Written Exams



Code	Course Learning Outcomes	Code of CLOs aligned with program	Teaching Strategies	Assessment Methods
	decision-making with regards to computer ethical issues.		Self-Learning	Oral Presentation
2.2	Use some of the ethical theories to analyse ethical cases.	S2	Discussion Brainstorming Group Work Case study	Written Exams Oral Presentation Quizzes
2.3	Analyze ethical situations and suggest technological, organizational and societal solutions	S2	Lecture Discussion Brainstorming Self-Learning Case study	Written Exams Quizzes Assignments
3.0	Values, autonomy, and responsibility			
3.1	Become familiar with professional and ethical responsibilities.	V1	Discussion Brainstorming Self-Learning	Assignments Written Exams Quizzes

C. Course Content

No	List of Topics	Contact Hours
1	An introduction to the course, teaching philosophy, other course-related issues General introduction: What is Computer/Information Ethics?	2
2	An introduction to ethical theories: What is ethics? Why be ethical?	2
3	Ethical theories (continue) A discussion on a computer ethics related case study	2
4	Computer hacking A discussion on a computer ethics related case study	2



5	Aspect of computer crime A discussion on a computer ethics related case study	2
6	Intellectual Property Rights A discussion on a computer ethics related case study	2
7	Regulating Internet content	2
8	Privacy A discussion on a computer ethics related case study	2
9	Computer Technology: accessibility issue A discussion on a computer ethics related case study	2
10	Empowering computers in the workplace A discussion on a computer ethics related case study	2
11	The use of artificial intelligence and expert system A discussion on a computer ethics related case study	4
12	The failure of It Projects A discussion on a computer ethics related case study	4
13	Code of Conduct	2
Total		30

D. Students Assessment Activities

No	Assessment Activities *	Assessment timing (in week no)	Percentage of Total Assessment Score
1	Midterm Exam	8	25%
2	Assignments and Quizzes	3,6	15%
3	Final Exam	16	60%

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

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	* Duqueenoy, P, Jones, S, and Biundell` Ethical, Legal and Professional Issues in Computing”, Pearson ,2008
Supportive References	NON
Electronic Materials	NON





Other Learning Materials | NON

2. Required Facilities and equipment

Items	Resources
<p>facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)</p>	<ul style="list-style-type: none"> • A Lecture room appropriate for maximum 25 students with a personal computer, a data show and a smart board. • A Lab room appropriate for maximum 15 students with a personal computer, a data show and a smart board.
<p>Technology equipment (projector, smart board, software)</p>	<ul style="list-style-type: none"> • Lab materials and required software
<p>Other equipment (depending on the nature of the specialty)</p>	<ul style="list-style-type: none"> •

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching	<ul style="list-style-type: none"> • Students • Faculty members • Coordinator • Council • Curriculum Committees 	<ul style="list-style-type: none"> • Course exit survey • Feedback from Faculty members • Feedback from Course Coordinator • Feedback from council • Feedback from Curriculum Committees
Effectiveness of Students assessment	<ul style="list-style-type: none"> • Students • Faculty members • Coordinator • Council • Curriculum Committees 	<ul style="list-style-type: none"> • Course exit survey • Feedback from Faculty members • Feedback from Course Coordinator • Feedback from council • Feedback from Curriculum Committees
Quality of learning resources	<ul style="list-style-type: none"> • Students • Faculty members • Coordinator • Council • Curriculum Committees 	<ul style="list-style-type: none"> • Course exit survey • Feedback from Faculty members • Feedback from Course Coordinator • Feedback from council • Feedback from Curriculum Committees
The extent to which CLOs have been achieved	<ul style="list-style-type: none"> • Students • Faculty members • Coordinator 	<ul style="list-style-type: none"> • Course exit survey • Feedback from Faculty members





Assessment Areas/Issues	Assessor	Assessment Methods
	<ul style="list-style-type: none"> • Council • Curriculum Committees 	<ul style="list-style-type: none"> • Feedback from Course Coordinator • Feedback from council • Feedback from Curriculum Committees
Other		

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

Assessment Methods (Direct, Indirect)

G. Specification Approval

COUNCIL /COMMITTEE	CS COUNCIL
REFERENCE NO.	MEETING #11
DATE	07/03/2024

