اعتماد
NCAAA

T4

2020

Course Specifications

Course Title:	Professional Ethics
Course Code:	500321-2
Program:	Bachelor in Computer Engineering
Department:	Department of Computer Engineering
College:	College of Computers and Information Technology
Institution:	Taif University

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KINGDOM OF SAUDI ARABIA

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Table of Contents

A. Course Identification

1. Credit hours: 2 Hours	

2. Course type
a.   University ☐   College ■   Department ☐   Others ☐
b.   Required ■   Elective ☐

3. Level/year at which this course is offered: 9/5

4. Pre-requisites for this course (if any)**:**
Islamic culture (Mind and dialogue) (990414-2)

5. Co-requisites for this course (if any)**:**
None

6. Mode of Instruction (mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	**Traditional classroom**	2	100%
2	**Blended**	0	0
3	**E-learning**	0	0
4	**Distance learning**	0	0
5	**Other**	0	0

7. Contact Hours (based on academic semester)

No	Activity	Contact Hours
1	**Lecture**	30
2	**Laboratory/Studio**	0
3	**Tutorial**	0
4	**Others** (Project)	0
0	**Total**	30

B. Course Objectives and Learning Outcomes

1. Course 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.

2. Course Main Objective
1. Appreciate the importance of ethics in computing through critically reflecting on major issues in computer ethics such as privacy, intellectual property, and gender issues.

2. Understand the concept of different ethical theories and their impact on ethical analysis.

3. Course Learning Outcomes

	CLOs	Aligned PLOs
1	**Knowledge and Understanding**	
1.1	Explain the basics of ethics for the field of computing.	K1
1.2	Become aware of ethical issues related to privacy, security, intellectual property, gender.	K1
1.3		
1.4		
2	**Skills :**	
2.1	Able to use some of the ethical theories to analyze ethical cases.	S2
2.2	Become able to involve in a managerial and decision-making with regards to computer ethical issues.	S3
2.3		
2.4		
3	**Values:**	
3.1	Become familiar with professional and ethical responsibilities.	V1
3.2	Able to analyze ethical situations and suggest technological, organizational, and societal solutions	V2
3.3		
3.4		

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? An introduction to ethical theories: What is ethics? Why be ethical?	3
2	Ethical theories (continue) A discussion on a computer ethics related case study	3
3	Computer hacking A discussion on a computer ethics related case study	3
4	Aspect of computer crime A discussion on a computer ethics related case study	3
5	Intellectual Property Rights A discussion on a computer ethics related case study	3
6	Regulating Internet content	3
7	Privacy A discussion on a computer ethics related case study	3
8	Computer Technology: accessibility issue A discussion on a computer ethics related case study	3
9	Empowering computers in the workplace A discussion on a computer ethics related case study	3
10	The use of artificial intelligence and expert system A discussion on a computer ethics related case study. The failure of It Projects A discussion on a computer ethics related case study	3
	Total	30

D. Teaching and Assessment

1. Alignment of Course Learning Outcomes with Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Teaching Strategies	Assessment Methods
1.0	**Knowledge and Understanding**		
1.1	Understand and apply the basics of ethics for the field of computing.	Lecture Discussion Case study	Written Exams Quizzes Assignments
1.2	Become aware of ethical issues related to privacy, security, intellectual property, gender.	Lecture Discussion Case study	Written Exams Quizzes Assignments
…			
2.0	**Skills**		
2.1	Become able to involve in a managerial and decision-making with regards to computer ethical issues.	Group Work Self-Learning	Written Exams Oral Presentation
2.2	Able to use some of the ethical theories to analyse ethical cases.	Discussion Brainstorming Group Work Case study	Written Exams Oral Presentation Quizzes
2.3			
2.4			
3.0	**Values**		
3.1	Become familiar with professional and ethical responsibilities.	Discussion Brainstorming Self-Learning	Assignments Written Exams Quizzes
3.2	Able to analyse ethical situations and suggest technological, organizational and societal solutions	Lecture Discussion Brainstorming Self-Learning Case study	Written Exams Quizzes Assignments
…			

2. Assessment Tasks for Students

#	Assessment task*	Week Due	Percentage of Total Assessment Score
1	Midterm Exam	8	25%
2	Assignments and Quizzes	3, 5, 8	15%
3	Final Exam	16	60%
4			
5			
6			
7			
8			

***Assessment task** (i.e., written test, oral test, oral presentation, group project, essay, etc.)

E. Student Academic Counseling and Support

Arrangements for availability of faculty and teaching staff for individual student consultations and academic advice:

- Teaching staff provide at least 6 office hours for students to help them in the course as well as in any other academic issues.
- Consultation can also be done 24 hours/ 7days through university Edugate (Tawasol) or emails or BB messages.

F. Learning Resources and Facilities

1.Learning Resources

Required Textbooks	Duqueenoy, P, Jones, S, and Biundell` Ethical, Legal and Professional Issues in Computing",Pearson ,2008
Essential References Materials	NON
Electronic Materials	NON
Other Learning Materials	NON

2. Facilities Required

Item	Resources
Accommodation (Classrooms, laboratories, demonstration rooms/labs, etc.)	Traditional Classrooms
Technology Resources (AV, data show, Smart Board, software, etc.)	Data show
Other Resources (Specify, e.g. if specific laboratory equipment is required, list requirements or attach a list)	

G. Course Quality Evaluation

Evaluation Areas/Issues	Evaluators	Evaluation Methods
Effectiveness of teaching and assessment	Students	Indirect (Survey) Student surveys and student evaluation
Extent of achievement of course learning outcomes	Students Faculty Curriculum committee	Indirect (Survey) Direct (Course Report) Direct
Quality of learning resources	Program leaders Staff members Students	Indirect (Survey)

Evaluation Areas/Issues	Evaluators	Evaluation Methods
Improvement of teaching	Course coordinator	Deficiencies based on student evaluation, course reports, and program assessment.
Verifying standards of student achievement	Curriculum committee	Review CAF (course assessment file) Alumni survys

Evaluation areas (e.g., Effectiveness of teaching and assessment, Extent of achievement of course learning outcomes, Quality of learning resources, etc.)
Evaluators (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)
Assessment Methods (Direct, Indirect)

H. Specification Approval Data

Council / Committee	CE council/ curriculum committee
Reference No.	
Date	