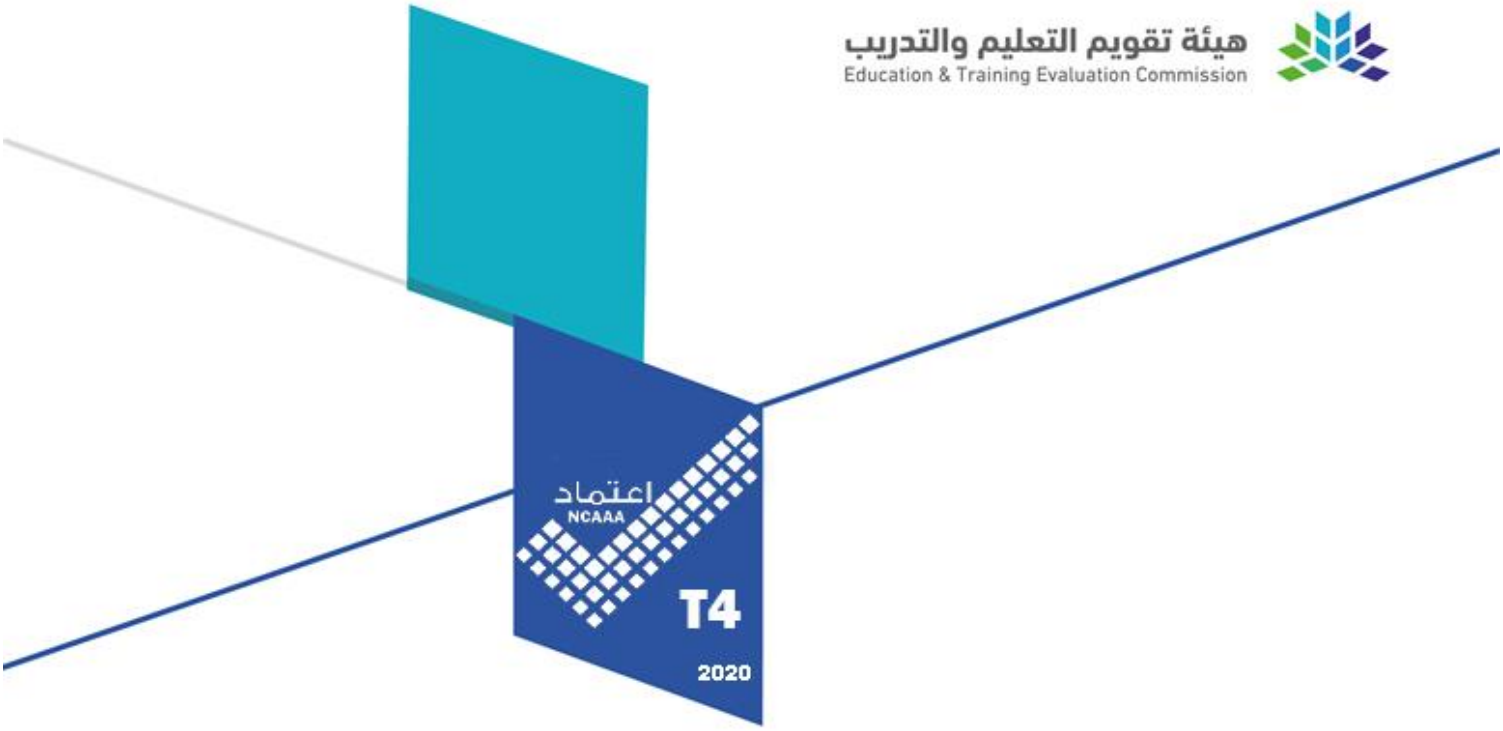
هيئة تقويم التعليم والتدريب
Education & Training Evaluation Commission



Course Specifications

Course Title:	Professional Ethics
Course Code:	CSI 525
Program:	Computer Science and Information Technology
Department:	Computer Science and Information.
College:	College of Science in Zulfi
Institution:	Majmaah University

Table of Contents

A. Course Identification

1. Credit hours: 2
2. Course type **a.** University ☐ College ☐ Department ■ Others ☐ **b.** Required ■ Elective ☐
3. Level/year at which this course is offered: 7th
4. Pre-requisites for this course (if any)**:** Design and analysis of algorithms (CSI 422)
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**	42	70%
2	**Blended**	6	10%
3	**E-learning**	6	10%
4	**Correspondence**	0	0%
5	**Other**	6	10%

7. Contact Hours (based on academic semester)

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

B. Course Objectives and Learning Outcomes

1. Course Description

This course will examine the ethical issues that arise as a result of increasing use of computers, and the responsibilities of those who work with computers, either as computer science professionals or end users. The course will stress the ways in which computers challenge traditional ethical and philosophical concepts and raise old issues in a new way. By the end of this course, students will be expected to read and understand the ideas in the readings; explain the ideas; analyze issues and see them from diverse perspectives; and formulate and critique arguments. The readings will include technical issues in computer science and may focus on a particular area such as software design as well as more traditional topics such as philosophical theories (e.g. ethical relativism, utilitarianism, deontological theories, rights, and virtue ethics), privacy, intellectual property rights and proprietary software, security, accountability, liability, the digital divide, hacking, and viruses.

2. Course Main Objective

Here are several course goals:

- To give a deep understanding of the social impact of computers and the ethical issues in human activities affected by computers,

- To prepare the student for living in a computerized world and perhaps working as a professional in the computing field,
- To improve presentation, debating and writing skills.

3. Course Learning Outcomes

CLOs		Aligned PLOs
1	**Knowledge and Understanding**	
1.1	Recognize the need for and an ability to engage in continuing professional development.	c2
1.2	Understand the limitations of current professional ethics.	c2
2	**Skills :**	
2.1	Apply different ethical frameworks to analyze an ethical problem.	c1
2.2	Be able to criticize a given professional cases	c1
2.3	Work in groups and learn how to manage the time.	c1
2.4	Present short report in a written form orally using an appropriate scientific language.	c1
3	**Values:**	
3.1	Adhere professional, ethical, legal, security, and social issues and their responsibilities that are related to the discipline	c2
3.2	Function effectively in teams to accomplish a common goal.	c2

C. Course Content

No	List of Topics	Contact Hours
1	An introduction to the ethical issues that arise as a result of increasing use of computers, and the responsibilities of those who work with computers, either as computer science professionals or end users - The Ethical Dilemma of computer science professionals.	**4**
2	The ways in which computers challenge traditional ethical and philosophical concepts - Safety and Health in the Workplace (OSHA) - Professional Ethics - Professional Responsibility - Computers, Individual Mortality and Social Policy.	**6**
3	Read and understand the ideas in the readings; explain the ideas; analyze issues and see them from diverse perspectives; and formulate and critique arguments.	**4**
4	Reading technical issues in computer science that focus on software life cycle - Reading technical issues in computer science that focus on philosophical theories (e.g. ethical relativism, utilitarianism, deontological theories, rights, and virtue ethics).	**4**
5	Reading technical issues in computer science that focus on privacy, intellectual property rights and proprietary software, security, accountability, liability, the digital divide, hacking, and viruses.	**6**
6	Honesty, Integrity and Reliability - Safety, Risk and Liability in computer science - computer science professionals as Employees - computer science professionals and Environment - Engineering Professionalism and Ethics.	**6**
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	Have an understanding of ethical Dilemma of computer science professionals.	Lectures demonstrations Case studies Individual presentations	Mid-terms exams Homework's Discussions Final exams
1.2	Understand the Individual Mortality and Social Policy.	Lectures demonstrations Case studies Individual presentations	Mid-terms exams Homework's Discussions Final exams
2.0	**Skills**		
2.1	Be able to read technical issues in computer science	Lectures demonstrations Case studies Individual presentations	Mid-terms exams exam Homework's Discussions Final exams
2.2	Be able to analyze privacy, intellectual property rights and proprietary software, security, accountability, liability, the digital divide, hacking, and viruses.		
2.3	Work in groups and learn how to manage the time.		
2.4	Present short report in a written form orally using an appropriate scientific language.		
3.0	**Values**		
3.1	Communicate with instructor, ask questions, solve problems, and use computers.	Small group discussion Whole group discussion Brainstorming Presentation	Discussions Presentations
3.2	Use Information technology and computer skills to gather information about a selected topic.		

2. Assessment Tasks for Students

#	Assessment task*	Week Due	Percentage of Total Assessment Score
1	First written mid-term exam	6	20%
2	Second written mid-term exam	12	20%
2	Presentation, class activities, and group discussion	Every week	10%
3	Homework assignments	End of each chapter	10%
5	Final written exam	16	40%

***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 : 1. 6-office hours per week in the lecturer schedule. 2. The contact with students by e-mail, mobile, office telephone and website.

F. Learning Resources and Facilities

1.Learning Resources

Required Textbooks	Deborah Johnson, Computer Ethics, 4th ed., 2009.
Essential References Materials	Richard Spinello and Herman Tavani, Readings in CyberEthics, 2nd ed., 2004.
Electronic Materials	http://nptel.ac.in/courses.php?branch=Comp https://www.coursera.org/
Other Learning Materials	Video and presentations that are available with the instructor.

2. Facilities Required

Item	Resources
Accommodation (Classrooms, laboratories, demonstration rooms/labs, etc.)	□ Classrooms □ Computer s □ Library
Technology Resources (AV, data show, Smart Board, software, etc.)	Smart Board
Other Resources (Specify, e.g. if specific laboratory equipment is required, list requirements or attach a list)	None

G. Course Quality Evaluation

Evaluation Areas/Issues	Evaluators	Evaluation Methods
Analysis of students' results.	Teaching Staff	Direct
Observation during work.	Teaching Staff	Indirect
Students' evaluations.	Teaching Staff	Direct
Colleagues' evaluations.	Peer Reviewer	Indirect
Evaluation questionnaire filled by the students.	Students	Indirect
Interview a sample of students enrolled in the course to take their opinions.	The head of department	Indirect

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	
Reference No.	
Date	15-4-2021