Course Specification
(Bachelor)

Course Title:	Social, Ethical and Professional Issues
Course Code:	573CCS-3
Program:	Bachelor of Science in Computer Science
Department:	Department of Computer Science
College:	Computer Science and Information Systems
Institution:	Najran University
Version:	2.0
Last Revision Date:	August 2022

Table of Contents

A. General information about the course:

1. Course Identification

1. Credit hours: (3)					
3 (3, 0, 1) [Theory, Lab, Tutorial]					
2. Course type					
A.	☐University	☐College	☒ Department	☐Track	☐Others
B.	☒ Required		☐Elective		
3. Level/year at which this course is offered: (Level 10/Year 5)					
4. Course General Description:					
This course aims at developing the ethical reasoning skills and sensitivities that computer professionals will need to make good decisions and justify them. The course includes a general introduction to ethical theories and their use in making and justifying decisions. It admits discussions and explorations of various issues and case studies, illustrating the kinds of problems that can arise from the use and misuse of computers and technology, the responsibilities of computing professionals, ethics on the internet (hacking, computer crime, netiquette), privacy and social issues					
5. Pre-requirements for this course (if any)**:**					
None					
6. Co-requisites for this course (if any)**:**					
None					
7. Course Main Objective(s):					
1. Discuss the theory of computer ethics and professional ethics. 2. Apply a code of ethics in professional issues and computer organization. 3. Determine privacy protection and technology risks. 4. Analyze various case studies related to the use and misuse of technology.					

2. Teaching mode (mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	60	100%

No	Mode of Instruction	Contact Hours	Percentage
2	E-learning		
3	Hybrid • Traditional classroom • E-learning		
4	Distance learning		

3. Contact Hours (based on the academic semester)

No	Activity	Contact Hours
1.	**Lectures**	45
2.	**Laboratory/Studio**	
3.	**Field**	
4.	**Tutorial**	15
5.	**Others (specify)**	
Total		60

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

Code	Course Learning Outcomes	Code of PLOs aligned with the program	Teaching Strategies	Assessment Methods
1.0	**Knowledge and understanding**			
1.1	Define the basic concepts of social, ethical, and professional issues associated with computing and their impact today	K_1, K_2	Lectures	Quiz, midterm and final exams
1.2	Describe the terms intellectual property (copyrights, patents and trade secret laws, Open Source), plagiarism and reverse engineering	K_2	Lectures	Quiz, midterm and final exams
1.3	Discuss the issues and the trend that increases the risk of using computing technologies in an unethical manner	K_2	Lectures	Quiz, midterm and final exams
2.0	**Skills**			

Code	Course Learning Outcomes	Code of PLOs aligned with the program	Teaching Strategies	Assessment Methods
2.1	Analyze various case studies related to use and misuse of technology	S_1,S_3	Lectures, Group Discussion	Midterm Exam Final Exam Assignments
2.2	Apply code of ethics in professional issues and computer organization	S_3	Lectures, Group Discussion	Midterm Exam Final Exam Assignments
2.3	Analyze the local and global impact of social networking on individuals and society	S_3	Lectures, Group Discussion	Midterm Exam Final Exam Assignments
2.4	Judge the most common types of computer security attacks, primary perpetrators and computer crime	S_3	Lectures, Group Discussion	Midterm Exam Final Exam Assignments
3.0	**Values, autonomy, and responsibility**			
3.1				
3.2				

C. Course Content

No	List of Topics	Contact Hours
1.	History of Computing	4
2.	Morality and the Law	8
3.	Ethics and Ethical Analysis	4
4.	Ethics and the Professions	4
5.	Anonymity, Security, Privacy & Civil Liberties	8
6.	Intellectual Property Rights & Computer Technology	8
7.	Social Context of Computing	4
8.	Software Issues: Risk and Liabilities	8
9.	Computer Crimes	4
10.	Cyberspace, Cyber ethics, and Social Networking	8
Total		**60**

D. Students Assessment Activities

No	Assessment Activities *	Assessment timing (in week no)	Percentage of Total Assessment Score
1.	Quizzes	5th and 11th week	10%
2.	Assignments	4th and 10th week	10%
3.	Presentation and Participation	15th week	10%
4.	Midterm Examinations	9th week	20%
5.	Final Exam	17th week	50%

*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	Ethical and Social Issues in the Information Age, Joseph M. Kizza Springer; 5Th edition, 2010.
Supportive References	A Gift of Fire, Social, Legal, and Ethical Issues for Computing and the Internet- Sara Baase; Prentice Hall, 5th Edition.
Electronic Materials	
Other Learning Materials	

2. Required Facilities and equipment

Items	Resources
facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	Classrooms to accommodate 50 students per classroom with desks and chairs
Technology equipment (projector, smart board, software)	Data shows needs to be maintained regularly
Other equipment (depending on the nature of the specialty)	

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Collecting students' suggestions to facilitate more during the class.	Students	Verbal discussion
Student's questionnaire once during the semester about course learning outcomes.	Students	Indirect Survey

Assessment Areas/Issues	Assessor	Assessment Methods
Achievement percentage of course learning outcomes, direct evaluation using CLO assessment sheet	Course Instructor	Direct evaluation using CLO achievement calculation
Teaching strategies	Quality unit	Indirect
Assessment methods	Quality unit	Indirect
Instructor performance	Quality unit	Indirect
Course content	Quality unit	Indirect

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

Assessment Methods (Direct, Indirect)

G. Specification Approval

COUNCIL /COMMITTEE	Computer Science Departmental Council
REFERENCE NO.	14440203-0185-00002
DATE	1st Sep, 2022