



Course Specification

(Bachelor)

Course Title: **Computer Networks Ethics**

Course Code: **433CCN-2**

Program: **Bachelor of Science in Computer Networks**

Department: **Networks and Communications Engineering**

College: **Computer Science and Information Systems**

Institution: **Najran University**

Version: **1.0**

Last Revision Date: **20 Feb 2024**



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A. General information about the course:

1. Course Identification

1. Credit hours: (3)

2. Course type

A. University College Department Track Others
 B. Required Elective

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

4. Course General Description:

This course aims at developing the ethical reasoning skills and sensitivities that computer networks professionals will need to make good decisions and to 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):

No

6. Co-requisites for this course (if any):

No

7. Course Main Objective(s):

Students will explore the nature and principles of ethics-- including personal, professional, and corporate ethics -- in a computing context. Students will address the interplay between ethics on the one hand, and law, society, politics, economy, justice, responsibility, and honesty on the other. Students will investigate specific ethical issues raised by the ubiquity of computers and information technology today.

2. Teaching mode (mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	45	100%
2	E-learning		
3	Hybrid <ul style="list-style-type: none"> • Traditional classroom • E-learning 		





No	Mode of Instruction	Contact Hours	Percentage
4	Distance learning		

3. Contact Hours (based on the academic semester)

No	Activity	Contact Hours
1.	Lectures [2 contact hours × 15 weeks]	30
2.	Laboratory/Studio	
3.	Field	
4.	Tutorial [2 contact hours × 15 weeks]	15
5.	Others (specify)	
Total		45

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	Discuss the theory of computer networks ethics, and professional ethics.	K2	TS: 1-Interactive Lectures using PowerPoint slides and explaining the essential points in more detail with the help of whiteboard.	Indirect: - Students CLO Survey Direct: - Quizzes. - Assignment. - Midterm exam (Exam consists of multiple-choice questions, true/false, fill in the blanks, and theoretical questions.) - Final Exam
1.2	Determine privacy protection and technology. Risks	K2, K3	TS: 2- Encouraging the students to use the online links to know the concepts in detail. TS: 3 – Recall the topics discussed in the last lecture by asking questions to the students. TS: 4 – Motivating students to be active during class by asking questions regularly during the lecture.	





Code	Course Learning Outcomes	Code of CLOs aligned with program	Teaching Strategies	Assessment Methods
			TS: 5 – Associating the topics in with the course learning outcomes (CLO).	
...				
2.0	Skills			
2.1	Analyze various case studies related to use and misuse of technology	S1, S3	TS: 1-Interactive Lectures using PowerPoint slides and explaining the essential points in more detail with the help of whiteboard.	Indirect: - Students CLO Survey Direct: - Quizzes. - Assignment. - Midterm exam (Exam consists of multiple-choice questions, true/false, fill in the blanks, and theoretical questions.) - Final Exam
2.2	Apply code of ethics in professional issues and computer organization	S1, S3	TS: 2- Encouraging the students to use the online links to know the concepts in detail. TS: 3 – Recall the topics discussed in the last lecture by asking questions to the students. TS: 4 – Motivating students to be active during class by asking questions regularly during the lecture. TS: 5 – Associating the topics in with the course learning outcomes (CLO).	
...				
3.0	Values, autonomy, and responsibility			
3.1	Recognize professional responsibilities and make informed judgments in computing practice based on legal and ethical principles.	V3	TS: 1-Interactive Lectures using PowerPoint slides and explaining the essential points in more detail with the help of whiteboard. TS: 2- Encouraging the students to use the online links to	Indirect: - Students CLO Survey Direct: - Quizzes. - Assignment. - Midterm exam (Exam consists of multiple-choice





Code	Course Learning Outcomes	Code of CLOs aligned with program	Teaching Strategies	Assessment Methods
			<p>know the concepts in detail.</p> <p>TS: 3 – Recall the topics discussed in the last lecture by asking questions to the students.</p> <p>TS: 4 – Motivating students to be active during class by asking questions regularly during the lecture.</p> <p>TS: 5 – Associating the topics in with the course learning outcomes (CLO).</p>	<p>questions, true/false, fill in the blanks, and theoretical questions.)</p> <p>- Final Exam</p>
3.2				
...				

C. Course Content

No	List of Topics	Contact Hours
1.	History of Computing	6
2.	Morality and the Law	3
3.	Morality and the Law	3
4.	Ethics and Ethical Analysis	3
5.	Ethics and the Professions	3
6.	Anonymity, Security, Privacy & Civil Liberties	3
7.	Intellectual Property Rights & Computer Technology	3
8.	Intellectual Property Rights & Computer Technology	3
9.	Social context of Computing	3
10.	Computer networks: Risk and Liabilities	3
11.	Computer networks: Risk and Liabilities	3
12.	Computer Crimes	3
13.	Cyberspace, Cyber ethics, and Social Networking	3
14.	Cyberspace, Cyber ethics, and Social Networking	3
Total		45





D. Students Assessment Activities

No	Assessment Activities *	Assessment timing (in week no)	Percentage of Total Assessment Score
1.	Quizzes	2, 4, 8, 12	8%
2.	Assignments or mini project (presentation)	3, 5, 8, 11	12%
3.	Midterm Examination	9 th week	30%
٤.	Final Examination	16 th to 18 th 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; 4th edition, 2010.
Supportive References	<ol style="list-style-type: none"> 1. Joseph Migga Kizza, Computer Network Security and Cyber Ethics, 2d edition, McFarland & Company, 2006. 2. A Gift of Fire, Social, Legal, and Ethical Issues for Computing and the Internet- Sara Baase; Prentice Hall, 3rd Edition
Electronic Materials	Available in Blackboard
Other Learning Materials	

2. Required Facilities and equipment

Items	Resources
facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	Lecture Rooms with 30 seats and a whiteboard or a smartboard.
Technology equipment (projector, smart board, software)	Desktop/ Laptop computer Multimedia Projector
Other equipment (depending on the nature of the specialty)	A File cabinet to keep Class Stuff, Markers, papers and student Files, and a printer to print program screenshots.

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching	Students	- Indirect (questionnaire)





Assessment Areas/Issues	Assessor	Assessment Methods
		<ul style="list-style-type: none"> - University online questionnaire for evaluation the course by students. - Observing the students' opinions recorded on the college student site. - Appeal & suggestions box
Effectiveness of Students assessment	Peer reviewer	Direct (review of the quality of the exam done by the course coordinator)
Quality of learning resources	Faculty & students	Lecturers prepare and create the learning resources before the class begins and make them more related to the course. Questionnaire
The extent to which CLOs have been achieved	Faculty	Student assessments reviewing
Other		

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

Assessment Methods (Direct, Indirect)

G. Specification Approval

COUNCIL /COMMITTEE	DEPARTMENT COUNCIL
REFERENCE NO.	14450824-0482-00014
DATE	5/3/2024

