



Jordan University of Science and Technology
Faculty of Computer & Information Technology
Cybersecurity Department

CY201 Cybersecurity Ethics - JNQF Level: 7

First Semester 2023-2024

Course Catalog

1 Credit Hours. This course introduces the ethical issues in cybersecurity. The students will be able to identify the definition of ethics, major ethical stances, professional responsibility, fair information practices, codes of ethics, ethical issues in disclosing vulnerabilities, and ethics related to law. It also includes the presentation and analysis of the dominant ethical frameworks and normative theories. The students will be able to discuss controversial issues related to information technology, and cyber security domain and improve their critical thinking skills. The students will be able to apply different theories of ethical decision-making, weigh the pros and cons of each one, and apply these theories to any case study in the cybersecurity domain.

Text Book

Title	Ethics for the information age
Author(s)	Michael J. Quinn
Edition	8th Edition
Short Name	Ref No.1
Other Information	

Course References

Short name	Book name	Author(s)	Edition	Other Information
Ref No.2	Ethics and Technology: Controversies, Questions, and Strategies for Ethical Computing	Herman T. Tavani	4th Edition	

Instructor

Name	Miss Fatima Abuhjeela
Office Location	Engineering Building (N2 level 0)

Office Hours	Sun : 08:30 - 09:30 Sun : 10:30 - 11:30 Mon : 10:00 - 11:00 Tue : 08:30 - 09:30 Thu : 08:30 - 09:30 Thu : 10:30 - 11:30
Email	fmabuhjeela@just.edu.jo

Class Schedule & Room
Section 1: Lecture Time: Mon : 18:00 - 19:00 Room: متزامن الحضور منصة الكترونية

Prerequisites		
Line Number	Course Name	Prerequisite Type
1771010	CY101 Cybersecurity Fundamentals	Prerequisite / Study

Tentative List of Topics Covered		
Weeks	Topic	References
Weeks 1, 2, 3	Introduction to Cyber ethics	From Ref No.1
Weeks 4, 5, 6	Network Communication	From Ref No.1
Weeks 7, 8	Computer and Network Security	From Ref No.1 , From Ref No.2
Weeks 9, 10, 11	Cyber Attacks and Crimes	From Ref No.1 , From Ref No.2
Weeks 12, 13, 14, 15, 16	Malware	From Ref No.1 , From Ref No.2

Mapping of Course Outcomes to Program Outcomes and NQF Outcomes	Course Outcome Weight (Out of 100%)	Assessment method
The students will be able to identify the concept of ethics, and ethical principles, and the ability to apply any one of the workable ethical theories to any case study in cyber security. [1SO4] [1L7K1]	30%	First Exam, Final Exam
The students will be able to discuss and analyze any case study and state if it is ethical or unethical in networked communication like spam, political impact on social media, Children and inappropriate content, fake feedback and etc. [1SO4] [1L7S1]	25%	Second Exam, Final Exam
The students will be able to recognize many unethical actions like the spreading of malware, different cyber attacks, and crimes . [1SO4] [1L7K1]	25%	Final Exam

The students will be able to recognize many unethical actions and crimes and identify each type of them and how the effects will be bad. [1SO4] [1L7S1]	20%	First Exam, Second Exam
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Relationship to Program Student Outcomes (Out of 100%)									
oldS1	oldS2	OldS3	OldS4	SO1	SO2	SO3	SO4	SO5	SO6
							100		

Relationship to NQF Outcomes (Out of 100%)	
L7K1	L7S1
55	45

Evaluation	
Assessment Tool	Weight
First Exam	30%
Second Exam	30%
Final Exam	40%

Policy	
Exams	All exams will be CLOSE-BOOK. The format for the exams is generally as follows: multiple-choice questions. The exam will be online Exam
Makeup Exam	Makeup exams should not be given unless there is a valid excuse. Arrangements to take an exam at a time different than the one scheduled MUST be made prior to the scheduled exam time. In accordance with university regulations, students should bring a valid excuse authenticated through valid channels in JUST.
Workload	Average work-load student should expect to spend is 2hours/week.
Code of Conduct	Quizzes and exams need to be done individually. Copying another student's work, even if changes are subsequently made, is inappropriate, and such work will not be accepted. Cheating or copying from neighbors on the exam is an illegal and unethical activity and the standard JUST policy will be applied.
Attendance	Excellent attendance is expected. In accordance with university regulations, students missing more than 20% of total classes are subject to failure. No excuses will be accepted. If you miss class, it is your responsibility to find out about any announcements or assignments you may have missed. Attendance will be recorded at the beginning or end of each class

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