

**The University of Jordan**

**Accreditation & Quality Assurance Center**

**Computer Ethics**

5402345

**Course Syllabus**

|  |  |  |
| --- | --- | --- |
| **1** | Course title | Computer Ethics |
| **2** | Course number | 5402345 |
| **3** | Credit hours (theory, practical) | 3 |
| Contact hours (theory, practical) | 12.30 -14.00 (Sun-Wed) / During Ramadan (11.30-12.30 Sun-Wed) |
| **4** | Prerequisites/corequisites | 5402101 (Fundamentals of Information Technology) |
| **5** | Program title | B.Sc. Degree in Business Information Technology |
| **6** | Program code | 02 |
| **7** | Awarding institution  | The University of Jordan, Aqaba |
| **8** | Faculty | Information Technology and Systems |
| **9** | Department | Business Information Technology |
| **10** | Level of course  | Bachelor |
| **11** | Year of study and semester (s) | 2017-2018 / First Semester |
| **12** | Final Qualification | B.Sc. Degree in Business Information Technology |
| **13** | Other department (s) involved in teaching the course | N/A |
| **14** | Language of Instruction | English |
| **15** | Date of production/revision | 17-9-2017 |

16. Course Coordinator:

|  |  |
| --- | --- |
| **Instructor:** | Dr. Mua’ad Abu-Faraj |
| **email:** | m.abufaraj@ju.edu.jo |
| **Office Number:** | 323 |
| **Office Phone** | 36087 |
| **Office Hours:** | Sun, Tue, Thu 09:00-10:00Mon 09:30-10:30Or by appointmemnt |
| **Websites:** | mabufaraj.com |
|  | <https://elearning.ju.edu.jo>  |

17. Other instructors:

|  |
| --- |
| *N/A* |

**18. Course Description:**

|  |
| --- |
| Computer ethics is a branch of practical philosophy which deals with how computing professionals should make decisions regarding professional and social conduct. The importance of computer ethics increased through the 1990s. With the growth of the Internet, privacy issues as well as concerns regarding computing technologies such as spyware and web browser cookies have called into question ethical behavior in technology. This course will go through some accepted legalizations regarding conducts within computerized environment. Further, it will highlight ethical issues raised due to the developments in the information technology field. |

19. Course aims and Outcomes:

|  |
| --- |
| A- Aims:Highlight main ethical issues raised due to the developments in the information technology field.**B- Intended Learning Outcomes (ILOs):** Upon successful completion of this course students will be able to … |
| 1. **Knowledge and Understanding (students should):**
	1. Be able to discuss/ explain the different issues of ethics (privacy and copy rights
	2. Understanding the extents for the freedom of speech right depending on cultural and society types.
	3. Understanding the definitions of copyright and intellectual property and be aware to the consequences of violating these rights over all different types of electronic media.
	4. Understanding and distinguishing the definitions for Crime, Error, Failure and Risk.
	5. Studying different codes of ethics.
 |
| 1. **Intellectual skills with ability to:**
	1. Be able to critically analyze IT related ethical problems.
	2. be able to approach the appropriate decision to the different ethical issues.
	3. Show professional ethics and responsibilities.
 |
| 1. **Practical Skills with ability to**
	1. Develop a code of ethics for any organization or firm student wishes to work for.
	2. Be aware and familiar to different codes of ethics.
	3. Plan and undertake a major individual/ group small projects/research.
 |
| 1. **Transferable Skills with ability to**
	1. Display an integrated approach to the deployment of communication skills.
	2. Undertaking ethical decisions even when it contradicts with your business.
	3. Strike the balance between self-reliance and seeking help when necessary.
	4. Show personal responsibility by working to multiple deadlines in relation to the course requirements.
 |

 20. Topic Outline and Schedule:

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Topic | Week/Estimated | Achieved ILOs hours | Evaluation Methods | Reference |
| Summary to CE | 1hr | A.1  |  | Short Summary |
| Brief Intro | 1hr | A.1 |  | Introduction |
| Introduction | 2 hours | A.1  |  | Main Textbook: Chapter 1 |
| Privacy | 3 hours | A.1  |  | Main Textbook: Chapter 2 |
| Freedom of Speech | 4 hours | A.2 |  | Main Textbook: Chapter 3 |
| Intellectual Property | 5 hours | A.3 + C.2 |  | Main Textbook: Chapter4 |
| Case Study | 2 hours | A.5 + B.1 + B.2 + C.1 + C.2 + D.4 |  | Discussion Session |
| Revision1 | 1hr |  |  |  |
| Midterm Exam | 1 hour |  |  |  |
| Crime | 4 hours | A.4  |  | Main Textbook: Chapter 5 |
| Work | 2 hours | B.3 + C.1 |  | Main Textbook: Chapter 6 |
| Evaluating and Controlling Technology | 2 hours | B.1 + B.2 + C.1 |  | Main Textbook: Chapter 7 |
| Case Study | 2 hours | B.1 + B.2 + C.1 + C.2 + D.2 |  | Discussion Session |
| Error, Failure and Risks | 3 hours |  |  | Main Textbook: Chapter8 |
| Professional Ethics and responsibilities | 3 hours | A.5 + B.3 + C.1 + C.2 + D.2 |  | Main Textbook: Chapter9 |
| Project evaluation | 3hours | C.3 + D.1 + D2. + D.3 + D.4 |  |  |
| Final Exam | 2hours |  |  |  |

 |

21. Teaching Methods and Assignments:

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Development of ILOs is promoted through the following teaching and learning methods:Theoretical portions will be presented based on examples, active learning, practical implementations and tests, case study, discussion, self-study portions, real-world examples, and live demonstrations.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Method | Lecture | Demo | Laboratory | Case Study |
| Intended Learning Outcomes (ILO) | A.1 + A.2 + A.3 + A.4 + A.5 + B.1 + B.2  | B.2 + C.1 + C.3 | B.1 + C.3 | C.1 |
| Assessment | Exams + Assignments | Project Evaluation | Exams + Assignments +Project Evaluation | Presentation |

 |

22. Evaluation Methods and Course Requirements:

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Opportunities to demonstrate achievement of the ILOs are provided through the following assessment methods and requirements:Written exams measuring the level of course objectives attained, the exams are supposed to cover the theoretical understanding level, solving common problems and analytical thinking. Deliverables and Group-work includes presentations, technical reports and discussions. Discipline and active participation are highly encouraged and will be measured according to the percentage of class attendance, in-class positive contributions, demonstrations, reviews, analytical thinking, or any positive attitude. Students are highly encouraged to present their innovative and extraordinary contributions that will be rewarded by bonus marks.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No** | **Evaluation Type** | **Weight** | **Date** | **Notes** |
| 1. | * Midterm Exam:

Written exam covering knowledge, interpretation and design skills. | 30% | TBD |  |
| 2. | * Final Exam:

Written exam covering knowledge, interpretation and design skills. | 50% | TBD |  |
| 3. | ActivitiesQuizzes 10% (2 quizzes at least)Deliverables 5%Final Presentation/Report 5%*(Max will be counted/ 4 activities max)* | 20% | TBD |  |

Bonus up to 5 marks will be given to innovative and brilliant active participation.May change slightly according to specific situations.**Tentative Grading Scale\*:**

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 0 | 34 | 49 | 54 | 59 | 64 | 69 | 74 | 79 | 84 | 89 | 94 | 100 |
|   | F | D- | D | D+ | C- | C | C+ | B- | B | B+ | A- | A |

*\* Could be changed to form normal distribution* |

23. Course Policies:

|  |
| --- |
| Discipline and Active Participation Policy (If applicable as bonus, could be banned if it is insufficient):All together discipline, attendance and active participation will be rewarded. Attending the class by itself without any active participation doesn’t permit having the 5% marks. * + Participation frequency and relative grading percentage:
	+ Frequent is subject to 5% (good questions, valuable observations and effective answers )
	+ Frequent semi-effective is subject to 3% (ineffective questions, observations and answers)
	+ Infrequent is subject to 2% (ineffective and show low level of preparation)
	+ Rare is subject to 1%
	+ Displaying no sign of life or long periods of absence is subject to 0%

Late presence to class will affect your grades, as an average of more than 10 minutes late time will lower your participation grades by 1%. An average of more than 20 minutes of late time will be considered as one class absence and will lower your participation grades by 3%. VERY IMPORTANT RULES AND REGULATIONS:Attendance and participation are mandatory, absence may result in receiving an ABSENT FAIL grade or an equivalent fail gradeIt preferable to have structured participation and avoid random additions or interruptionsWhen advised stick to the provided template for the deliverables, it would give more value to your piece of workAny out of order behavior, as side talks or sleeping, during the lecture time may result in having ZERO grade for participation, and a ZERO grade for activities.Disrespect toward colleagues while talking or discussing an issue is prohibited and will result in an expel and a penalty.Late homework and assignments delivery may result in having ZERO grade for that particular deliverableCheating has no excuse at all, with no exceptions, it will result in having a penaltyPlagiarism is unethical activity that may result in having a penalty, refer to www.plagiarism.orgAny feedback is welcomed while presented in a reasonable mannerCarefully read the most recent copy of the regulations statement provided by the University of Jordan, as it applies to this course.Notes: Concerns or complaints should be expressed in the first instance to the module lecturer; if no resolution is forthcoming, then the issue should be brought to the attention of the module coordinator (for multiple sections) who will take the concerns to the module representative meeting. Thereafter, problems are dealt with by the Department Chair and if still unresolved the Dean and then ultimately the Vice President. For final complaints, there will be a committee to review grading the final exam. |

24. Required equipment:

|  |
| --- |
|  |

**25. References:**

|  |
| --- |
| 1. Required book (s), assigned reading and audio-visuals:
* Primary Textbook: Sara Baase, A Gift of Fire: Social, Legal, and Ethical Issues in Computing, 4th ed. Prentice-Hall, Upper Saddle River, NJ, USA, 2012.
1. Recommended books, materials, and media:

Robert N. Barger, Computer Ethics: A Case-Based Approach, 1st ed. Cambridge University Press, New York, NY, USA, 2008.See the list on the Universiyt of Jordan e-learning websiteOR<https://sites.google.com/site/ujastudents/>  |

26. Additional information:

|  |
| --- |
| Visit the course website for an updated list of references, demos, tutorials and extra materials at: <https://sites.google.com/site/ujastudents/> |

Name of Course Coordinator: -------------------Signature: ------------------------- Date: 17-09-2017

Head of curriculum committee/Department: ------------------------- Signature: ---------------------------------

Head of Department: ------------------------- Signature: ---------------------------------

Head of curriculum committee/Faculty: ------------------------- Signature: ---------------------------------

Dean: ------------------------------------------- -Signature: ---------------------------------

Copy to:

 Head of Department

 Assistant Dean for Quality Assurance

 Course File