هيئة تقويم التعليم والتدريب
Education & Training Evaluation Commission

اعتماد NCAAA T4 2020

Course Specifications

Course Title:	BSCS1160
Course Code:	**Computer Ethics and Society**
Program:	**Computer Science**
Department:	**Computer Science**
College:	**School of Engineering, Computing, and Design (SECD)**
Institution:	**Dar Al-Hekma University**

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A. Course Identification

1. Credit hours: 1 (1, 0)
2. Course type **a.** University ☐ College ☒ Department ☐ Others ☐ **b.** Required ☒ Elective ☐
3. Level/year at which this course is offered: 1st year, 1st semester
4. Pre-requisites for this course (if any)**:** **None**
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**	15	100%
2	**Blended**	NA	NA
3	**E-learning**	NA	NA
4	**Distance learning**	NA	NA
5	**Other**	NA	NA

7. Contact Hours (based on academic semester)

No	Activity	Contact Hours
1	**Lecture**	15
2	**Laboratory/Studio**	0
3	**Tutorial**	0
4	**Others** (specify)	0
	Total	15

B. Course Objectives and Learning Outcomes

1. Course Description The course covers the different ethical and social issues related to the development and use of computer technology. The course covers the responsibilities of computer professionals for applications and consequences of their work regarding the social, political, legal, and ethical contexts, including social impact of computers and the Internet, professionalism, codes of ethics, responsible conduct, copyrights, intellectual property, and software piracy.
2. Course Main Objective A major course that fulfils the requirements of the CS POS for graduation. The main purpose of the course is to addresses ethical and social issues related to the development and use of computer technology. The students will experience the different responsibilities of computer professionals for applications and consequences of their work. Students will relate the computing topics to the social, political, legal, and ethical contexts, including social impact of computers and the Internet, professionalism, codes of ethics,

responsible conduct, copyrights, intellectual property, and software piracy. Finally, students will identify different scenarios focusing on challenge areas such as privacy, reliability, and risks of complex systems.

3. Course Learning Outcomes

CLOs		Aligned PLOs
1	**Knowledge and Understanding**	
1.1		
2	**Skills :**	
2.1		
3	**Values:**	
3.1	**Describe the importance of ethical and political impacts caused by technology**	4
3.2	Recognize the responsibilities of applications usage by computer professionals and consequences of their work	4
3.3	**Recall the guidelines of copyrights and intellectual properties**	4
3.4	Discuss privacy and integrity in IT practices and technological solutions	4
3.5	**Explain the impact of Internet on professionalism**	4
3.6	**Examine codes of ethics, and responsible conduct both personally and professionally**	4
3.7	Identify legal laws that apply to computer crimes	4
3.8	**Describe the privacy concerns, reliability, and risks of complex systems such as airline systems (IATA) and social networks**	4

C. Course Content

No	List of Topics	Contact Hours
1	Computer technology ethical and social issues	2
2	Responsibilities and consequences of computer professionals	2
3	Scenarios of Social, political, legal, and ethical contexts	2
4	Impact of computers and the Internet and professionalism	2
5	Codes of ethics and responsible conduct	1
6	Copyrights, intellectual property, and software piracy	3
7	Privacy, reliability, and risks of complex systems	3
Total		

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			
2.0	**Skills**		
2.1			
3.0	**Values**		

Code	Course Learning Outcomes	Teaching Strategies	Assessment Methods
3.1	**Describe the importance of ethical and political impacts caused by technology**	• Lectures • Group activities • Readings and videos	• Assignments • Presentations • Exams • Participation
3.2	Recognize the responsibilities of applications usage by computer professionals and consequences of their work		
3.3	**Recall the guidelines of copyrights and intellectual properties**		
3.4	Investigate privacy and integrity in IT practices and technological solutions		
3.5	**Relate the impact of Internet on professionalism**		
3.6	**Examine codes of ethics, and responsible conduct both personally and professionally**		
3.7	Identify legal laws that apply to computer crimes		
3.8	**Evaluate the privacy concerns, reliability, and risks of complex systems such as airline systems (IATA) and social networks**		

2. Assessment Tasks for Students

#	Assessment task*	Week Due	Percentage of Total Assessment Score
1	Assignment 1	3rd	10%
2	Presentation 1	5th	10%
3	Midterm Examination	7th	20%
4	Assignment 2	9th	10%
5	Presentation 2	11th	10%
6	Final Exam	17th	30%
7	Participation	All weeks	10%

***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 :

Full time faculty are required to have a minimum of 10 office hours per week on campus. Usually the time allotted to student exceeds this amount since faculty are always available to students as required.

Part time faculty are required to have a minimum of one office hour per week on campus for each course. The faculty is also available through email and Blackboard messaging system

F. Learning Resources and Facilities

1.Learning Resources

Required Textbooks	Quinn, M. J., & Pearson Education. (2017). *Ethics for the information age*. Bost ISBN: 9780134296548

Essential References Materials	Brinkman, B., & Sanders, A. F. (2013). *Ethics in a computing culture*. Boston, M Technology Cengage Learning. ISBN: 9781111531102
Electronic Materials	To be assigned
Other Learning Materials	None

2. Facilities Required

Item	Resources
Accommodation (Classrooms, laboratories, demonstration rooms/labs, etc.)	Classrooms
Technology Resources (AV, data show, Smart Board, software, etc.)	• Projector connected to the instructor computer • Internet connection • Audio system
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
Course Indirect Assessment (ABET): the instructor collects valuable feedback regarding the course CLOs	Students	Course Survey, indirect
Student course evaluations: The university collects valuable feedback from the student course evaluation which is completed at the end of the semester for each course.	Students	University Survey, indirect
Other surveys: The University gathers several surveys measuring teaching effectiveness; this includes Student Satisfaction Survey and Graduating Senior Survey which are both held every year.	Students	Questionnaire, indirect
Peer & department chair visits and evaluations	Faculty members	Visits & evaluation form, indirect
Performance management KPIs annual assessment	Quality Assurance Office	Forms, direct
Course reports	Faculty Members	Forms, direct
Annual program reports	Program Director	Forms, direct
External evaluation for course reports and files once a year	External examiner	Forms, 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	6
Reference No.	6
Date	20/05/2021