هيئة تقويم التعليم والتدريب
Education & Training Evaluation Commission

T-104
2022

Course Specification

Course Title:	**Information Security Management**
Course Code:	**IT11103**
Program:	**Information Technology**
Department:	**Information Technology**
College:	**Computer Science and information technology**
Institution:	**Al-Baha University**
Version:	**: T104 – V1**
Last Revision Date:	March, 2023

Table of Contents:

A. General information about the course:

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 9 / 3rd Year					
4. Course general Description This course provides an introduction to the critical area of information security management. Topics include Governance and strategic planning for security, security polices, security management models, risk management, security maintenance, planning for contingencies, and protection mechanisms.					
5. Pre-requirements for this course (if any): none					
6. Co- requirements for this course (if any): none					
7. Course Main Objective(s) **The main purpose for this course is to teach students how to:** • **Describe computer security management.** • **List the methods and techniques of computer security management.** • **Plan for computer security management.** • **Develop computer security management programs.** • **Analyze security management models, risk management, maintenance.** • **Communicate concepts and techniques in oral presentations**					

1. Teaching mode (mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1.	Traditional classroom	22	50%
2.	E-learning		
3.	Hybrid • Traditional classroom • E-learning		
4.	Distance learning		
5.	Others (LAB)	22	50%

2. Contact Hours (based on the academic semester)

No	Activity	Contact Hours
1.	Lectures	22
2.	Laboratory/Studio	22
3.	Field	-
4.	Tutorial	-
5.	Others (specify)	-
	Total	44

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	Describe the computer security management.	K1	-Lectures -Assignments	-Homework (Rubric) -Midterm exams -Final Exam Quiz
1.2	List the methods and techniques of computer security management.	K2	-Lectures -Assignments	-Homework (Rubric) -Midterm exams -Final Exam Quiz
1.3				
2.0	Skills			
2.1	Plan for computer security management.	S1	-Lectures -Assignments -Lab session	-Homework (Rubric) -Midterm exams -LAB exam -Final Exam Quiz
2.2	Develop computer security management programs.	S.2	-Lectures -Assignments -Lab session	-Homework (Rubric) -Midterm exams -LAB exam -Final Exam Quiz
2.3	Analyze security management models, risk management, maintenance.	S.3	-Lectures -Assignments -Lab session	-Homework (Rubric) -Midterm exams -LAB exam -Final Exam
2.4	Communicate concepts and techniques in oral presentations	S.6	-Oral Presentations	-LAB Discussion

Code	Course Learning Outcomes	Code of CLOs aligned with program	Teaching Strategies	Assessment Methods
3.0	Values, autonomy, and responsibility			
3.1	Interact in groups collaboratively	V1	-Small Groups	-LAB Discussion

C. Course Content

No	List of Topics	Contact Hours
	Lectures	
1.	Introduction to the Management of Information Security	2
2.	Governance and Strategic Planning for Security	2
3.	Information Security Policy	2
4.	Developing the Security Program	2
5.	Risk Management: Assessing Risk	2
6.	Risk Management: Treating Risk	2
7.	Security Management Models	2
8.	Security Management Practices	2
9.	Planning for Contingencies	2
10.	Security Maintenance	2
11.	Protection Mechanisms	2
	LAB	
1.	Governance and Strategic Planning for Security	2
2.	Information Security Policy	2
3.	Developing the Security Program	2
4.	Risk Management: Assessing Risk	2
5.	Risk Management: Treating Risk	2
6.	Security Management Models	3
7.	Security Management Practices	3
8.	Planning for Contingencies	2
9.	Security Maintenance	2
10.	Protection Mechanisms	2
	Total	44

D. Students Assessment Activities

No	Assessment Activities *	Assessment timing (in week no)	Percentage of Total Assessment Score
1.	Homework	Every two weeks	10%
2.	Midterm	6	20%
3.	Quiz	10	10%
4.	LAB	11	20%
5.	Final Exam	13	40%
6.	Total		100%

*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	"Management of Information Security, Sixth Edition by Michael E. Whitman, HerbertJ. Mattord, 2019, Cengage Learning, Inc.
Supportive References	• Computer Science Curriculum 2013: http://cs2013.org • ACM (Association for Computer Machinery) Curricula Recommendations: http://www.acm.org/education/curricula-recommendations • Communications of ACM (Association for Computer Machinery): http://cacm.acm.org/ • ACM SIGCSE (Special Interest Group on Computer Science Education) bulletin: http://www.sigcse.org/Bulletin • ACM Transactions on Computing Education (TOCE): http://toce.acm.org/
Electronic Materials	• Access to the Saudi Digital Library (SDL) • ACM (Association for Computer Machinery) web site – http://www.acm.org/ • ACM SIGCSE (Special Interest Group on Computer Science Education) resource web site: http://www.sigcse.org/SIGresources • IEEE Computer Society web site: http://www.computer.org/portal/web/guest/home • Intel *The Journey Inside* web site (has a collection of interactive, online lessons about technology, computers, and society): http://educate.intel.com/en/TheJourneyInside/ • Google Code University Curriculum Resource web site: http://code.google.com/edu/resources/index.html
Other Learning Materials	None

2. Required Facilities and equipment

Items	Resources
facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	• A classroom or lecture hall with whiteboard for 25 students. • A laboratory with 25 computers.
Technology equipment (projector, smart board, software)	• An instructor computer station with Unix/Linux and Windows operating systems installed. • Desktop computers, for students, with Unix/Linux and Windows operating systems installed. • High speed Internet connections. • Power outlets for student's laptop plug-in
Other equipment (depending on the nature of the specialty)	None

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching	• Students • Peer Reviewer • Program Leader	• Indirect: Survey • Direct: Peer Review • Direct: Class Visits
Effectiveness of students assessment	• Exams Evaluation Committee • Students	• Direct: Exam Review • Indirect: Survey
Quality of learning resources	• Faculty • Students	• Indirect: Survey • Indirect: Survey
The extent to which CLOs have been achieved	• Faculty	• Direct: Exams
Other	None	None

Assessor (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)
Assessment Methods (Direct, Indirect)

G. Specification Approval Data

COUNCIL /COMMITTEE	
REFERENCE NO.	
DATE	