



Course Specifications

Course Title:	Information Security Management
Course Code:	CYB 0205
Program:	Computer Science (Cybersecurity)
Department:	Applied Sciences
College:	Applied College
Institution:	Imam Muhammad Bin Saud Islamic University

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A. Course Identification

1. Credit hours: 4(3 theory , 2 lab)
2. Course type
a. University <input type="checkbox"/> College <input type="checkbox"/> Department <input checked="" type="checkbox"/> Others <input type="checkbox"/>
b. Required <input checked="" type="checkbox"/> Elective <input type="checkbox"/>
3. Level/year at which this course is offered: Fourth Semester
4. Pre-requisites for this course (if any): CYB204
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	4hours\week	100%
2	Blended		
3	E-learning		
4	Distance learning		
5	Other		

7. Contact Hours (based on academic semester)

No	Activity	Contact Hours
1	Lecture	33
2	Laboratory/Studio	22
3	Tutorial	
4	Others (specify)	
	Total	55

B. Course Objectives and Learning Outcomes

1. Course Description

An introduction to information security strategy and policy management. This course also explains the cultural, organizational, and behavioral theories used in information security management organizations. Studying and preparing information security governance policies, as well as legal and ethical aspects of information security and privacy management. An overview of current information security management standards and practices. How to develop security software. Introduction to Risk Assessment and Treatment: Threat and Vulnerability Modeling. Management models and management practices. Emergency and information security maintenance. Information security planning.

2. Course Main Objective

Students should be aware of commercial, personal and sensitive information to keep secure. In today's technology-driven environment, there is an ever-increasing demand for information

delivery on various devices in the office, at home and in public places, these principles should be illustrated carefully. This course should show the reflect changes in the IT security landscape and Information Security Management Principles.

3. Course Learning Outcomes

CLOs		Aligned PLOs
1	Knowledge and Understanding	
1.1	Understand the information security principles and information risk.	2ع, 1ع
1.2	Demonstrates the information security framework and security life cycle.	5ع, 2ع, 1ع
2	Skills :	
2.1	Explain the security life cycle and the controlling methods.	2م, 1م
2.2	Analyze the security environment and the disaster recovery management.	5م, 4م, 7م
3	Values:	
3.1	Write report about controlling and risks issues	3ق, 2ق, 1ق, 5ع

C. Course Content

No	List of Topics	Contact Hours
1	Information Security Principles	5
2	Information Risk	8
3	Information Security Framework	8
4	Security Life Cycle	8
5	Procedural and people security controls	5
6	Technical Security Controls	8
7	Physical Environmental security	5
8	Disaster recovery Business continuity management	8
Total		55

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	Understand the information security principles and information risk.	Class lectures Class Discussion Questions/Answers sessions in class Home work assignments Quizzes Case studies and Analysis.	Quizzes Homework and Assignments. Written exams (Midterm and final). Writing reports.
1.2	Demonstrates the information security framework and security life cycle.	Class lectures Class Discussion Questions/Answers sessions in class Home work	Quizzes Homework and Assignments. Written exams (Midterm and final).

Code	Course Learning Outcomes	Teaching Strategies	Assessment Methods
		assignments Quizzes Case studies and Analysis.	Writing reports. Study cases.
2.0	Skills		
2.1	Explain the security life cycle and the controlling methods.	Class lectures Class Discussion Questions/Answers sessions in class Home work assignments Quizzes Case studies and Analysis.	Quizzes Homework and Assignments. Written exams (Midterm and final). Writing reports. Study cases.
2.2	Analyze the security environment and the disaster recovery management.	Class lectures Class Discussion Questions/Answers sessions in class Home work assignments Quizzes Case studies and Analysis.	Quizzes Homework and Assignments. Written exams (Midterm and final). Writing reports. Study cases.
3.0	Values		
3.1	Write report about controlling and risks issues.	Class lectures Class Discussion Questions/Answers sessions in class Home work assignments Quizzes Case studies and Analysis.	Quizzes Homework and Assignments. Written exams (Midterm and final). Writing reports. Study cases.

2. Assessment Tasks for Students

#	Assessment task*	Week Due	Percentage of Total Assessment Score
1	Quizzes	Week3,5	10%
2	Midterm	Week 7	20%
3	Lab Assignments group or individual /Class Assignments group or individual	Week4,7,9	15%
4	Lab Evaluations	All Semester	15%
5	Final	Week13	40%

*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 :

6 office hours per week.

3 hours of weekly meetings Contact through the LMS Communication/interact via e-mails with students

F. Learning Resources and Facilities

1. Learning Resources

Required Textbooks	Information Security Management Principles, 2020, 3rd edition, Andy Taylor, David Alexander, Amanda Finch.
Essential References Materials	N/A
Electronic Materials	Online resources will be provided during class lectures.
Other Learning Materials	N/A

2. Facilities Required

Item	Resources
Accommodation (Classrooms, laboratories, demonstration rooms/labs, etc.)	Lecture room with Smart board Lab with 25 Pcs
Technology Resources (AV, data show, Smart Board, software, etc.)	PC and WiFi Internet access within the class room
Other Resources (Specify, e.g. if specific laboratory equipment is required, list requirements or attach a list)	N/A

G. Course Quality Evaluation

Evaluation Areas/Issues	Evaluators	Evaluation Methods
Effectiveness of teaching and assessment	Student	Indirect using course evaluation survey
Quality of learning resources	Student and Faculty	Indirect using course evaluation and faculty survey

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	
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Reference No.	
Date	