Course Specifications

Course Title:	**Security Risk Management**
Course Code:	**CSEC 421**
Program:	**Information and Computer Science**
Department:	**Computer Science and Information**
College:	Science at Al-Zulfi
Institution:	Majmaah

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A. Course Identification

1. Credit hours:3
2. Course type **a.** University ☐ College ☐ Department ■ Others ☐ **b.** Required √ Elective ☐
3. Level/year at which this course is offered: 6th level
4. Pre-requisites for this course (if any)**:** **Cyber Security Essentials – CSEC 323**
5. Co-requisites for this course (if any)**:** **Nil**

6. Mode of Instruction (mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	**Traditional classroom**		80%
2	**Blended**		10%
3	**E-learning**		10%
4	**Correspondence**		00%
5	**Other**		00%

7. Actual Learning Hours (based on academic semester)

No	Activity	Learning Hours
Contact Hours		
1	**Lecture**	30
2	**Laboratory/Studio**	30
3	**Tutorial**	
4	**Others** (specify)	
	Total	60
Other Learning Hours*		
1	**Study**	30
2	**Assignments**	30
3	**Library**	
4	**Projects/Research Essays/Theses**	10
5	**Others** (specify)	30
	Total	100

* The length of time that a learner takes to complete learning activities that lead to achievement of course learning outcomes, such as study time, homework assignments, projects, preparing presentations, library times

B. Course Objectives and Learning Outcomes

1. Course Description
This course focuses on protecting organizations from cyber-security threats and managing risk to support the successful accomplishment of organization's mission.

Topics include: Risk management: risk identification, risk assessment and evaluation models, risk controls.

Security governance and policy: organizational context, privacy, security governance, executive and board level communication.

Laws; ethics; and compliance

Strategy and planning: analytical tools, system administration, cyber-security planning, Business Continuity, Disaster Recovery, and Incident Management.

2. Course Main Objective

At the end of the course, student should be able to:

1	Identify and categories the various risks face by an organization;
2	Explain the various risk control measures available;
3	Design a risk management program for a business organization.
4	Suggest ways to finance risk.
5	Apply the insurance mechanism in risk management.
6	Knowing the various aspects about computer networks security.

3. Course Learning Outcomes

CLOs		Aligned PLOs
1	**Knowledge:**	
1.1	Ability to identify and analyze hazards	K3-CSEC
1.2	Ability to choose the most appropriate way to face danger	
2	**Skills :**	
2.1	Skill to avoid danger	S3-CSEC
2.2	Skill taking responsibility and dealing with hazards	
3	**Competence:**	
3.1	The skill of dealing with Computer	C3-CSEC

C. Course Content

No	List of Topics	Contact Hours
1	Threats to Information Assets and Attacks on Information Assets, Information Technology and Information Security Governance.	15
2	Information Security Roles and Responsibilities. Conducting an Information Security Assessment	15
3	Risk Management: Risk Identification, Risk Assessment, Risk Control, and Risk Management	15
4	Information Security Policy: Development and Implementation and Information Security Policy Types: EISP, ISSP, SysSP.	15
Total		60

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**		
1.1	Understand the need for and the requirements for regulatory compliance regarding information assets	Lectures. Lab demonstrations.	Written Exam Homework assignments
1.2	Understand the role of software and hardware solutions for information asset protection	Case studies. Individual presentations	Lab assignments Class Activities Quizzes
…			
2.0	**Skills**		
2.1	Implement security education, training, and awareness programs within organizations	small groups discussions. Whole group discussions. Brainstorming. Presentations	Homework assignments Lab assignments Class Activities Quizzes
3.0	**Competence**		
3.1	To inspect diversity of risk management issues Competence	small groups discussions. Whole group discussions. Brainstorming. Presentations	Homework assignments Lab assignments Class Activities Quizzes

2. Assessment Tasks for Students

#	Assessment task*	Week Due	Percentage of Total Assessment Score
1	First written mid-term exam	6	15%
2	Second written mid-term exam	12	10%
3	Presentation, class activities, and group discussion	Every week	10%
4	Homework assignments	After each chapter	10%
5	Implementation of presented protocols	Every two weeks	10%
6	Final written exam	16	40%
7	Total		100%
8			

***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 :

Arrangements for availability of faculty and teaching staff for individual student consultations and academic advice. (include amount of time teaching staff are expected to be available each week)

- 4-office hours per week in the lecturer schedule.
- The contact with students by e-mail, mobile, office telephone, website and BlackBoard.

F. Learning Resources and Facilities

1.Learning Resources

Required Textbooks	Roadmap to Information Security: For IT and Infosec Managers, Michael E. Whitman , Herbert J. Mattord, Cengage Learning. 2011, ISBN-13: 978-1435480308
Essential References Materials	Security Risk Management: Building an Information Security Risk Management Program from the Ground U, Evan Wheeler, 1 edition, ISBN-13: 978-1597496155
Electronic Materials	
Other Learning Materials	

2. Facilities Required

Item	Resources
Accommodation (Classrooms, laboratories, demonstration rooms/labs, etc.)	Classroom and Labs as that available at college of science at AzZulfi are enough.
Technology Resources (AV, data show, Smart Board, software, etc.)	Smart Board
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
Questionnaires (course evaluation) achieved by the students and it is	Students	Indirect

Evaluation Areas/Issues	Evaluators	Evaluation Methods
electronically organized by the university.		
Student-faculty management meetings.	Program Leaders	Direct
Discussion within the staff members teaching the course	Peer Reviewer	Direct
Departmental internal review of the course.	Peer Reviewer	Direct
Reviewing the final exam questions and a sample of the answers of the students by others.	Peer Reviewer	Direct
Visiting the other institutions that introduce the same course one time per semester.	Faculty	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	
Reference No.	
Date	