

AL-HUSSEIN BIN TALAL UNIVERSITY

Information Technology Faculty
Department Of Computer science



SYLLABUS⁽¹⁾

Information Systems Security Spring 2017

Credit Hours: 3
Lecturer: Bilal I. Alqudah, PhD.
Phone: 03-2179000 Ext. 8333
Office hours: 12:00-1:00 Sunday, Tuesday, Thursday
Website: <http://www.bilal-qudah.com>
Email: bilal@bilal-qudah.com

Course Objectives:

This course provides the foundation for understanding the key issues associated with protecting information assets, determining the levels of protection and response to security incidents, and designing a consistent, reasonable information security system, with appropriate intrusion detection and reporting features. The purpose of the course is to provide the student with an overview of the field of information security and assurance. Students will be exposed to the spectrum of security activities, methods, methodologies, and procedures. Coverage will include inspection and protection of information assets, detection of and reaction to threats to information assets, and examination of pre- and post-incident procedures, technical and managerial responses, and an overview of the information security planning and staffing functions.

Teaching Methods:

Duration: 16 weeks, 48 hours in total
Lectures: 3 hours per week (including two 1-hour exams)

Tentative Schedule:

Week	Subject
(1)	Information Security: An Introduction
(2)	Why Security is Needed
(3)	Professional, Legal, and Ethical Issues in Information Security
(4)	Managing IT Risk
(5)	How to Plan for Security
(6)	Review & First Exam

¹ This document is subjected to change during the semester. Students will be notified during class.

AL-HUSSEIN BIN TALAL UNIVERSITY

Information Technology Faculty
Department Of Computer science



(7)	Security Technology: Wireless, VPNs, and Firewalls
(8)	Security Technology: Prevention Systems, Intrusion Detection
(9)	Using Encryption
(10)	Securing Physical Assets
(11)	Implementing Information Security
(12)	Review & Second Exam
(13)	Personnel and Security
(14)	Maintenance of Information Security and eDiscovery
(15)	Wireshark & kali Linux
(16)	Review & Final Examination

Modes of Assessment:

Modes of Assessment:	Score	Date
First Exam	20%	TBD
Second Exam	20%	TBD
Homework & Lab Exercises	10%	Weekly
Final Exam	50%	TBD

Additional notes:

- *There are no extra credit points, make-ups*, regards', or reworks in this class.*
 - *Do not arrive more than 5 minutes late to class. Late arrivals are disruptive.*
 - *Cell phones should be OFF or on silent during ALL class activities.*
- *Make-up exams will be offered for valid reasons only (**not recommended**).*

Attendance Policy:

Lecture attendance is mandatory. If student absent more than the percentage allowed by the AHU university policy, student will be deprived from the course with zero mark assigned. if student miss class, it is his/her responsibility follow up with announcements or assignments he or she may have missed.

Text Book(s) and Supporting Materials:

Text Book(s)

- Michael E. Whitman and Herbert J. Mattord, *Principles of Information Security, 4th Edition*. Course Technology, Cengage Learning, 2012, ISBN-10 1111138230.
- Other resources will be available online with more books to read (www.bial-qudah.com)