



Jordan University of Science and Technology
Faculty of Computer & Information Technology
Computer Science Department

CS484 Computer And Network Security

Summer Semester 2019-2020

Course Catalog

3 Credit Hours. This course is intended to give the students the principles and concepts of computer security. The students should be able to understand what it means for a system to be secure. Furthermore, the students will get to know about computing systems vulnerabilities, threats, and security controls. The course includes the following topics: Introduction to cryptography, confidentiality, authentication, digital signatures, program security, operating systems security, and network security.

Text Book

Title	Information Security: Principles and Practice
Author(s)	Mark Stamp
Edition	2nd Edition
Short Name	Textbook
Other Information	

Course References

Short name	Book name	Author(s)	Edition	Other Information
Ref # 1	Introduction to Computer Security	Matt Bishop	1st Edition	
Ref # 2	Security in Computing	Pfleeger & Pfleeger	1st Edition	

Instructor

Name	Dr. OMAR ALMOUSA
Office Location	A1 L-3
Office Hours	Sun : 14:30 - 16:00 Mon : 14:30 - 16:00 Tue : 14:30 - 16:00 Wed : 14:30 - 16:00
Email	osalmousa@just.edu.jo

Class Schedule & Room
Section 1: Lecture Time: Sun, Mon, Tue, Wed : 11:30 - 13:00 Room: منصة الكترونية

Prerequisites		
Line Number	Course Name	Prerequisite Type
1733420	CS342 Computer Networks	Prerequisite / Study
1733750	CS375 Operating Systems	Prerequisite / Study

Tentative List of Topics Covered		
Weeks	Topic	References
Weeks 1, 2, 3, 4	Cryptography	
Weeks 4, 5, 6, 7	Access Control	
Weeks 7, 8, 9, 10	Protocols Security	
Weeks 11, 12, 13, 14	Software Security	

Mapping of Course Outcomes to Program Student Outcomes	Course Outcome Weight (Out of 100%)	Assessment method
Students will be able to understand the major technical security challenges in cryptography. [1SO1]	33%	
Students will be able to understand the major technical security challenges in protocols. [1SO1]	33%	
Students will be able to understand the major technical security challenges in software and access control. [1SO1]	34%	

Relationship to Program Student Outcomes (Out of 100%)					
SO1	SO2	SO3	SO4	SO5	SO6
100					

Evaluation	
Assessment Tool	Weight
First	20%
OnlineQzzReportVideo	30%
Final	50%

Policy	
Attendance	Attendance policy is going to be determined in class.
Home works	All works MUST be YOURS. Any cheating will result in FAILING the course.

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