



The University of Jordan

Accreditation & Quality Assurance Center

COURSE Syllabus

1	Course title	E-Business Security
2	Course number	1904334
3	Credit hours (theory, practical)	3
	Contact hours (theory, practical)	3
4	Prerequisites/corequisites	1904353
5	Program title	Business Information Technology
6	Program code	4
7	Awarding institution	The university of Jordan
8	Faculty	King Abdullah II School for Information Technology
9	Department	Business Information Technology Department
10	Level of course	2 nd year
11	Year of study and semester (s)	NEW COURSE
12	Final Qualification	Bachelor(Bsc)
13	Other department (s) involved in teaching the course	None
14	Language of Instruction	English
15	Date of production/revision	Last update: 9/2015
16	Required/ Elective	Required

17. Course Coordinator:

Dr. Ja'far Alqatawna
 KASIT 3rd floor office# 312 or office# 302
 2-3:30 Sunday, Tuesday, Wednesday
 j.alqatawna@ju.edu.jo

18. Other instructors:

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19. Course Description:

Having completed this course student will gain such a working knowledge of concepts, principles, techniques and methodologies needed to design and assess security in a complex e-Business environment. The course emphasizes that security of e-Business is best achieved by considering the environment in which e-Business applications need to be implemented and used; this implies that e-Business should be viewed as a complex socio-technical system with three interconnected and interacting elements: stakeholders, enabling technology, and business processes. Therefore, it has been designed to include several topics covering issues such as the nature of e-Business security, information security services for e-Business systems, enterprise security architecture design, e-Business security protocols, web security tools and secure programming techniques, perimeter security such firewall technologies, Intrusion detection/prevention systems, SIEM technologies, security requirement engineering and human factors affecting e-Business security. Weekly lab session.

INTENDED COURSE OUTCOMES

- 1- Understand information security concepts and terminologies.
- 2- Understand the nature of e-Business security.
- 3- Understand the role of security services in the field of e-Business.
- 4- Understand enterprise security architecture and design.
- 5- Be able to utilize various web security tools and techniques.
- 6- Discuss various web security protocols.
- 7- Discuss various security issues related to online payment systems and protocols.
- 8- Be able to utilize secure programming techniques.

21. Topic Outline and Schedule:

Topic	Week	Instruct or	Achieved ILOs	Reading from textbook
Information Security basics terminologies and principles	1		1 2	TBA
Cryptography	2-4		3	
Access Control	5-6		3	
Authentication	7-8		3	
Web security	9-11		4 5 8	
Internet Security protocol SSL, TLS, PGP...	12		5 6	
Vulnerability assessment and penetration testing	13			
Security related standard: PCI DSS, ISO27001	14-15		7	

22. Teaching Methods and Assignments:

Development of ILOs is promoted through the following teaching and learning methods:

Lecture, lab and presentation

23. Evaluation Methods and Course Requirements:**24. Course Policies:****A- Attendance policies:**

Maximum allowable absence 15% of number of Lectures/Semester

B- Absences from exams and handing in assignments on time:

It is the student's responsibility to ensure that he/she is aware of all assignments, announcements and contents of missed sessions

25. Required equipment:

1- Personal computers in a lab.

2- Data show

3- text editor and web browser

26. References:**Textbook**

TBA

27. Additional information:

1. Tardiness and/or absenteeism will have a negative impact on the course grade.
2. الامتناع المدبر عن حضور المحاضرات أو الدروس أو عن الأعمال الأخرى التي تقضي الأنظمة بالمواطبة عليها ، وكل تحريض على هذا الامتناع سوف يؤدي الى حرمان الطالب من المادة المعنية.
3. في حالة التغيب عن الامتحانين الأول و الثاني لن يكون هناك امتحان تعويضي الا في حالة وجود عذر وحالة طارئة من المستشفى. على الطالب براز العذر لمدرس المادة في فتره لا تتجاوز الثلاثة ايام من تاريخ الامتحان, وللمدرس الحق في قبول او رفض العذر , وحسب التعليمات.
4. Concerns or complaints should be expressed in the first instance to the module lecturer; if no resolution is forthcoming then the issue should be brought to the attention of the module coordinator (for multiple sections) who will take the concerns to the module representative meeting. Thereafter problems are dealt with by the Department Chair and if still unresolved the Dean and then ultimately the Vice President. For the final complaints, there will be a committee to review grading the final exam.
5. For more details on University regulations please visit <http://www.ju.edu.jo/rules/index.htm>

Name of Course Coordinator: -----Signature: ----- Date: -----

Head of curriculum committee/Department: ----- Signature: -----

Head of Department: ----- Signature: -----

Head of curriculum committee/Faculty: ----- Signature: -----

Dean: ----- -Signature: -----

Copy to:

Head of Department
Assistant Dean for Quality Assurance
Course File