



KINGDOM OF SAUDI ARABIA  
IMAM MOHAMMAD IBN SAUD ISLAMIC UNIVERSITY  
COLLEGE OF COMPUTER AND INFORMATION SCIENCES  
INFORMATION SYSTEMS DEPARTMENT  
BACHELOR IN INFORMATION SYSTEMS

المملكة العربية السعودية  
جامعة الإمام محمد بن سعود الإسلامية  
كلية علوم الحاسب والمعلومات  
قسم نظم المعلومات  
بكالوريوس نظم المعلومات

## SYLLABUS

### IS1455: E-Commerce Security

<b>CREDIT HOURS</b>	<b>3 credit hours (lectures:3)</b>	<b>PREREQUISITE</b>	<b>IS1340</b>
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<b>Instructor:</b>
<b>Contact information and office hours</b>
<b>Office No:</b> To be announced (TBA)
<b>Office Hours:</b> TBA
<b>E-mail:</b> _____@imamu.edu.sa

<b>COURSE DESCRIPTION</b>
The aim of this course is to introduce students to the processes, methods, techniques and tool that organizations use for E-Commerce Security.

COURSE LEARNING OUTCOMES (CLOs)		Aligned SOs
1	<b>Knowledge and Understanding</b>	
1.1	Describe the main concepts of E-Commerce Security	1(I)
1.2	Recognize the fundamental definitions and terminology of E-Commerce Security	1(I)
1.3		
1.4		
1.5		
2	<b>Skills :</b>	
2.1	Apply the tools and techniques of E-Commerce Security	2(P)
2.2		
2.3		
2.4		
2.5		
3	<b>Values:</b>	
3.1	Function effectively on teams to accomplish a common goal.	5(P)



3.2	Present a topic in a compelling manner.	3(P)
3.3		
3.4		
3.5		

TEACHING Strategies
Lectures
Self-Learning

No	List of Topics	Contact Hours	Self-Learning
1	Introduction to E-Commerce Security	3	
2	Security Mechanisms	6	
3	Key Management and Certificates	3	2
4	Electronic Payment Systems	3	2
5	Payment Security Services	3	
6	Payment Transaction Security	3	2
7	Communication Network	3	
8	Network Access Layer Security	3	
9	Security of Internet and Transport Layers	6	
10	Project Discussions	3	
11			
12			
<b>Total</b>		<b>36</b>	<b>6</b>

TEXT BOOK
Security Fundamentals for E-Commerce; Vesna Hassler; 2000

REFERENCES

Course Assessment Methods			
No	Assessment Method	Due Week	% of Total Assessment
1	Quiz	4	10
2	Assignment	9	10
3	Midterm	7	20
4	Project / Lab Exam	11	20
5	Final Exam	13	40