



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



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

SYLLABUS

IS 410: Enterprise Architecture

PREREQUISITE	IS 332	CREDIT HOURS	3
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Instructor: Monerah AlOsaimi
Contact information and office hours
Office No: 2A-243 Office Hours: <ul style="list-style-type: none"> • Monday, Wednesday: 5th + 6th • Tuesday: 2nd lecture, • Wednesday: 3rd lecture. E-mail: MIAlosaimi@imamu.edu.sa

COURSE DESCRIPTION
<p>This course explores the design, selection, implementation and management of enterprise IT solutions. The focus is on applications and infrastructure and their fit with the business. Students learn frameworks and strategies for infrastructure management, system administration, data/information architecture, content management, distributed computing, middleware, legacy system integration, system consolidation, software selection, total cost of ownership calculation, IT investment analysis, and emerging technologies. These topics are addressed both within and beyond the organization, with attention paid to managing risk and security within audit and compliance standards.</p>

COURSE LEARNING OUTCOMES (CLOs)		Aligned SOs
1	Knowledge and Understanding	
1.1	Define the fundamental concepts of Enterprise Architecture (EA).	1(P)
1.2	Describe a variety of frameworks for enterprise architecture analysis and decision making	1(P)
1.3	Describe how EA developed.	1(I)
2	Skills :	
2.1	Summarize current techniques, skills and tools necessary for developing and EA.	2(P)
2.2	Analyze how business are choosing an EA framework.	3(P)
2.3		



3	Values:	
3.1	<i>Work effectively in groups and exercise leadership when appropriate</i>	5(P)
3.2	<i>Communicate effectively in oral and written form</i>	2(I)
3.3		

TEACHING Strategies
Lectures Self-learning

No	List of Topics	Contact Hours
١	Introduction to Enterprise Architecture	3
٢	Value / Risk of Creating an Enterprise Architecture	4
٣	**EA Frameworks	4
٤	The Implementation Methodology	6+2
٥	EA Documentation Process	4
٦	EA Components and Artifacts	4+1
٧	Building and maintaining EA	5+2
٨	The Role of Security and Privacy	3+1
٩	Project Discussions	3
Total		36+6(SL)

**TEXT BOOK**

An Introduction to Enterprise Architecture: Third Edition Paperback – August 13, 2012, by Scott A. Bernard

REFERENCES

List Essential References Materials (Journals, Reports, etc.)

Course Assessment Methods			
No	Assessment Method	Due Week	% Total Assessment
1	Quiz	4	10
2	Assignment	7	10
3	Midterm	8	20
4	Project / Lab Exam	12	20
5	Final Exam	13	40