Imam Mohammad ibn Saud Islamic University
College of Computer and Information Sciences

Information Systems Department

Course Syllabus
IS631 – Enterprise Architecture

Catalog Description: Enterprise architecture course discusses the issue of logic organization for business strategies, business processes and IT infrastructure which reflects the integration and standardization requirements of the enterprise's operating model. This course discusses in some details:

- what enterprise architecture is and the value it provides to businesses
- how businesses can use enterprise architecture to achieve their goals and objectives
- what are the risk and cost of adopting enterprise architecture initiative?
- articulate and explore business change
- the impact of change throughout an organization
- ensure that the business change is effectively managed so that you stay on course or understand the impacts of altering it
- how to establish an enterprise architecture practice within a business and the roles and skills required within an enterprise architecture practice

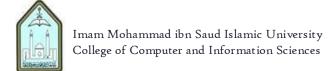**Credit Hours:**   3 Credit hours: 3 Lectures per week   0 Labs. per week   0 Recitation per week

Prerequisites: None

Course Learning Outcomes:

1. To define Enterprise Architecture, how it evolved and it current state.
2. To describe the requisite knowledge and skills for enterprise engineering.
3. To explore the design, selection, implementation and management of enterprise IT solution.
4. To understand Enterprise Architecture applications and infrastructure and their fit with the business.
5. To recognize the main framework and strategies and emerging technologies for designing an enterprise system.
6. To be able to communicate technology architecture strategies clearly and concisely to a general business audience.
7. To understand services capabilities that IT infrastructure solutions enable in an organizational context.
8. To articulate how enterprise architectures help in achieving organizational strategic and tactical advantage and agility.
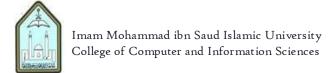
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Major Topics:	• Enterprise Engineering
	• System Theory
	• Modelling Concepts
	• Enterprise Design Methodology
	• Enterprise Architecture
	• Enterprise Analysis and Design Methodology
	• Process Modelling
	• Process Design
	• Organization Design
	• Enterprise Technology
	• Enterprise Integration
Text Books:	Design of Enterprise Systems: Theory, Architecture, and Methods, 2010. Ronald E. Giachetti. CRC Press, ISBN 978-1439818237

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Grading:	◉ The grading scale for this course is:

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95 - 100 A+ Passing
90 - 94   A   Passing
85 - 89   B+ Passing
80 - 84   B   Passing
75 - 79   C+ Passing
70 - 74   C   Passing
0 - 69   F   Failing

◉ Final grades will be determined based on the following components:
  . 60% Semester Work
  . 40% Final Exam

◉ Students may not do any additional work for extra credit nor resubmit any graded activity to raise a final grade.

◉ Late submissions will not be accepted for any graded activity for any reason.

◉ Students have one week to request the re-grading of any semester work.

Attendance Policy:

Students should attend 80% of the overall course hours taught in the semester as per the University regulations.
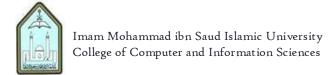
If a student fails to achieve this portion, he/she shall not be allowed to appear in the final exam and shall be awarded "DN" grade and repeat the course.

Cheating and Plagiarism Policy:

The instructor will use several manual and automated means to detect cheating and/or plagiarism in any work submitted by students for this course.

When a student is suspected of cheating or plagiarism, the instructor raises the issue to the disciplinary committee.

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Communications:	Registered students will be given access to a section of the Learning Management System (LMS) for this course. LMS will used as the primary mechanism to disseminate course information, including announcements, lecture slides, assignments, and grades.
	Communication with the instructor on issues relating to the individual student should be conducted using CIS email, via telephone, or in person.