Al-Imam Muhammad Ibn Saud Islamic University

College of Computer and Information Sciences

Course Syllabus [Implementing n-Tier Architectures]

Course Code	*Course Name.*	*Credit Hours*	*Lec.*	*Lab*	*Prerequisites*
IT332	*Implementing n-Tier Architectures*	*3*	*2*	*2*	*IT331*

Course Description:

This course discusses and evaluates the implementation of IT-related n-Tier Architectures technologies and their impact on information systems, business, and society. It identifies key advance scripting languages used for web scripting, advance server-side scripting and operating system scripting. This course equips students with the knowledge to write, debug, test and implement a script that includes selection, repetition and parameter passing. Also, student after completing the course will could write, debug, test and implement a web page that uses scripting to validate the input values in a form and an interactive web based application that uses server-side script to process input from a web page . In addition, students will write, debug, test and implement a script using an operating scripting language to facilitate the management of an operating system.

Course Topics:

Week	Tentative Schedule
Week 01	Introduction to IPT
Week 02	Introduction to scripting languages
Week 03	Scripting languages architectures
Week 04	Scripting languages architectures **+ assignment**
Week 05	Web scripting
Week 06	Web scripting [First Exam]
Week 07	server-side scripting
Week 08	server-side scripting + **Mid-term exam**
Week 09	Operating system scripting
Week 10	Operating system scripting [Second Exam]
Week 11	Script that includes selection, repetition and parameter passing
Week 12	Debug and test a web page
Week 13	Debug and test a web page
Week 14	Interactive web based application
Week 15	
Week 16	**[Final Exam]**

Textbook and Resources:

Main Textbook:

Animation with Scripting for Adobe Flash Professional CS5 Studio Techniques (2010) Chris Georgenes, Justin Putney.

Secrets of the JavaScript Ninja Paperback by John Resig, Bear Bibeault (2012).

Other Resources

Will be provided during the lectures.

Project and Assignments

Will be provided during the last weeks.

Grade Distribution

Quizzes	10 %
Midterm Exam	20 %
Assignments	10 %
Lab contribution and Exams	20 %
Final Exam	40 %