



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

IS1337: Application Development

CREDIT HOURS	4 hours (Lectures: 3 hours + Lab:2 hours)	PREREQUISITE	IS1221
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Instructor:
Contact information and office hours
Office No: To be announced (TBA)
Office Hours: TBA
E-mail: _____@imamu.edu.sa

COURSE DESCRIPTION
<p>1. What is the main purpose for this course?</p> <p>Up on the completion of this course, students will be able to understand all basic concepts concerning Web programming issues and build web sites utilizing their knowledge on databases and programming prior to their program schedule. In other words, the goal is to make them capable of performing simple client – server solutions acquiring the necessary skills</p> <p>2. Briefly describe any plans for developing and improving the course that are being implemented. (e.g. increased use of IT or web based reference material, changes in content as a result of new research in the field):</p> <p>Periodic review of the course specification by Quality Assurance Committee.</p> <p>Course evaluation form filled by the respective teaching staff at the end of each semester</p> <p>In the light of above feedback, necessary actions are taken to improve the course.</p>



COURSE LEARNING OUTCOMES (CLOs)		Aligned SOs
1	Knowledge and Understanding	
1.1	Familiarize with current and emerging technologies related to Application development especially web application development	1(I)
1.2	Understand the process of Application development	1(P)
1.3		
1.4		
1.5		
2	Skills :	
2.1	Apply HTML5 and related technologies to create simple web sites	2(I)
2.2	Apply CSS3 and related technologies to create friendly user web sites	2(I)
2.3	Develop intermediate-level sophisticated websites using Java Script.	2(I)
2.4	Develop web sites with simple client-server solutions using PHP scripting.	2(I)
2.5		
3	Values:	
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

N o	List of Topics	Contact Hours	Self-Learning
1	Introduction to Internet technologies, introduction to HTML5, basic elements, meta elements, tables - teaching and self-learning	6	
2	HTML5 forms, internal linking - teaching and self-learning	6	
3	CSS3, backgrounds, images, menus - teaching and self-learning	6	
4	Introduction to JavaScript, selection and repetition structures - teaching and self-learning	6	
5	JavaScript functions, events, objects - teaching and self-learning	6	
6	JavaScript arrays - teaching and self-learning	6	2
7	Introduction to PHP and client-server programming - teaching and self-learning	12	4
8	PHP and SQL/No-SQL Databases - teaching and self-learning	6	4
9	Project Discussions	6	



10			
11			
12			
Total		60	10

TEXT BOOK

R. Connoly, R. Hoar, Fundamentals of Web Development, 2021, Perason ISBN-9780135863336
H. M. Deitel, P. J. Deitel, Internet and World Wide Web How to Program 5thEdition, 2012, Pearson
ISBN-13: 9780132151009

REFERENCES

Lecturer's notes

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