



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



لأمملكةةلأعرببةالسعودبة
معة الإمام محمد بن سعود الإسلامبة بة علوم
الحاسب والمعلومات
المعلومات سقم نظم المعلومات
الوربوس نظم

SYLLABUS

IS 337: Application Development

PREREQUISITE	IS 371	CREDIT HOURS	3(2+2)
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Instructor:
Contact information and office hours
Office No: F081
Office Hours: Sunday & Tuesday (12:30-14:10), Monday & Wednesday (07:30-08:20)
E-mail: fhaljarba@imamu.edu.sa

COURSE DESCRIPTION
This course will cover fundamental topics in application development, with a focus on web programming. Students will learn essential skills in HTML, CSS3, and related technologies to create basic websites. Additionally, they will be introduced to JavaScript to develop more sophisticated web pages. After gaining some proficiency in JavaScript, students will learn PHP to create simple client-server solutions.

COURSE LEARNING OUTCOMES (CLOs)		Aligned SOs
1	Knowledge and Understanding	
1.1	<i>Familiarize with current and emerging technologies related to Application development, especially web application development</i>	4(P)
2	Skills :	
2.1	<i>Apply HTML5 and related technologies to create simple websites</i>	2(I)
2.2	<i>Apply CSS3 and related technologies to create friendly user websites</i>	2(I)
2.3	<i>Develop intermediate-level sophisticated websites using JavaScript.</i>	2(I)
2.4	<i>Develop websites with simple client-server solutions using PHP scripting.</i>	2(I)
3	Values:	
3.1	<i>Function effectively on teams to accomplish a common goal.</i>	5(P)
3.2	<i>Present a topic in a compelling manner.</i>	3(P)



TEACHING Strategies

Lectures (Classes and Lab)

Self Learning

No	List of Topics	Contact Hours
1	<i>Introduction to Internet technologies, introduction to HTML5, basic elements, meta elements, tables</i>	4
2	<i>HTML5 forms, internal linking</i>	4+1
3	<i>CSS3, backgrounds, images, menus</i>	8+1
4	<i>Introduction to JavaScript, selection and repetition structures</i>	4+1
5	<i>JavaScript functions, events, objects</i>	4+1
6	<i>JavaScript arrays</i>	8+1
7	<i>Introduction to PHP and client-server programming</i>	8+1
8	<i>PHP and SQL/No-SQL Databases</i>	4+1
9	<i>Project Discussions</i>	4+1
Total		48+8(SL)

TEXT BOOK

<i>R. Connolly, R. Hoar, Fundamentals of Web Development, 2021, Perason ISBN-9780135863336</i>
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<i>H. M. Deitel, P. J. Deitel, Internet and World Wide Web How to Program 5th Edition, 2012, Pearson ISBN-13: 9780132151009</i>

REFERENCES

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| <ul style="list-style-type: none"> ● <i>Imam University's Blackboard will be used for out-of-classroom interaction with the students.</i> ● <i>http://www.w3schools.com/ (tutorials)</i> ● <i>http://www.how-to-build-websites.com/ (tutorials)</i> ● <i>http://www.webstepbook.com/</i> |
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Course Assessment Methods

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