

Course: Bachelor of Business Administration in E-Commerce

1.	Course Title	Web Programming	اسم المادة	
2.	Course Code	CCPS2143	رمز المادة	
3.	Status	Major	مادة أساسية	
4.	Credit Hour	3 (2+1) 2 for lectures (2 hours per week x 14 weeks) 1 for Lab (2 hours per week x 14 weeks)	عدد الساعات المعتمدة	
5.	Semester/Year	1/3	الفصل الدراسي	
6.	Prerequisites	CICT1033 Information Technology and Application	المتطلب السابق إن وجد	
7.	Teaching method:	Distance Learning (Electronic)	طريقة التدريس	
8.	Evaluation	Assessment and Marking Percentage: Quizzes الامتحانات القصيرة 10 % Assignments الواجبات 10 % Interactions through discussion board المنتديات 10 % Mid-Semester Exam الامتحان النصفى 20 % Final Examination الامتحان النهائي 50 %		
9.	Lecturer	N/A		
10.	Objective of the Subject	This subject is designed to enable students to: - Understand the concept of Internet and World Wide Web - Gain some basic information on how to design a web page - Understand the concept between web page and database - Understanding how to link webpages and processing results from database		
11.	Learning Outcomes	Upon completion of this subject, students should be able to: - Master the syntax and vocabulary of HTML and JavaScript - Apply the knowledge of web designing into the development phase - Develop fully functional and interactive web pages by using HTML and/or JavaScript - Develop web-based systems linking and processing to a distributed/local database		
12.	Synopsis	This subjectwill cover several areas of Internet programming including Internet structure from view of programming, browsing homepage on Internet, introduction to HTML programming, introduction to workgroup programming, introduction to Java script and data safety on Internet.		
13.	Topics	Details	Lecture (Hrs)	Lab (Hrs)
	Topic 1	Introduction - What is Internet? - Domain Name System - Internet Resources - Understanding the WWW	2	2
	Topic 2	- Using web-browser - Using web-searching - Cookie technology	2	2
	Topic 3	Designing Web Application	2	2

		• Design consideration • Trading performance for size and resolution		
	Topic 4	• Creating the design plan and map of the web site • Defining and designing the media components • Gathering the components together	2	2
	Topic 5	Hypertext Markup Language (HTML) • Introduction • Uniform Resource Locators (URL) • Hypertext Transfer Protocol (HTTP) • Hypertext Markup Language (HTML)	2	2
	Topic 6	• Fundamental of HTML scripting • A simple HTML document • Images and Hypertext Links	2	2
	Topic 7	• Home Pages • Collection of Hypertext Documents • Movies and Sound Files • Fill-in Forms • Characters	2	2
	Topic 8	• HTML elements and markup tags • HTML specification • Dynamic HTML	2	2
	Topic 9	JavaScript • Introduction • Data Types • Variables • Statements	2	2
	Topic 10	• Functions • Arrays • JavaScript in Web Browsers	2	2
	Topic 11	• Events handlin • Forms • JavaScript Security	2	2
	Topic 12	Webpages and database manipulation • Forms development using GUI IDE • Forms processing • Viewing data from database • Embedding SQL inside forms • Event modeling programming	2	2
	Topic 13	Webpages and database manipulation • Searching/Inserting/Deletion/Add information into database from the webpages • Web-services and SOA concepts	2	2
	Topic 14	• Implementing SOA • Deployment of web-based projects into the server	2	2
		Total contact hours	28	28
		Equivalent lecture hours	28	14
		Total lecture hours	42	
		Credit hours	3	
14.	Main references:	1. Ellie Quigley, JavaScript by Example, Prentice Hall, 2004 2. Thomas Powell Fritz Schneider, JavaScript : The Complete Reference, McGraw Hill,2001 3. ____, Developing SOA, Unify,2006		
15.	Additional References:	1. Wendy Willard, HTML: A Beginner’s guide, McGraw Hill, 2001 2. Nick Heile, Designing with JavaScript: Creating Dynamic Web Pages, O’Reilly, 1998 3. Marty Hall & Larry Brown, Core Web Programming, Prentice Hall, 1998		

	Other Materials:	All other materials will be available to students online.
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