

ATTACHMENT 5.

Kingdom of Saudi Arabia
The National Commission for Academic Accreditation &
Assessment

T6. Course Specifications
(CS)

Course Specifications

Institution	Umm Al Qura University	Date	7/7/1437
College/Department	College of Computers and Information Systems		

A. Course Identification and General Information

1. Course title and code: 14013104-3 Internet Applications			
2. Credit hours 4			
3. Program(s) in which the course is offered. (If general elective available in many programs indicate this rather than list programs) Computer Science			
4. Name of faculty member responsible for the course: Curriculum Committee			
5. Level/year at which this course is offered: 4th year / level 7			
6. Pre-requisites for this course (if any): 14011102-4 Object Oriented Programming			
7. Co-requisites for this course (if any): None			
8. Location if not on main campus: Al-Abidiyah campus (Boys) and Al-Zaher campus (Girls), Makkah Al Mukarramah			
9. Mode of Instruction (mark all that apply)			
a. traditional classroom	<input checked="" type="checkbox"/>	What percentage?	<input type="text" value="100"/>
b. blended (traditional and online)	<input type="checkbox"/>	What percentage?	<input type="text"/>
c. e-learning	<input type="checkbox"/>	What percentage?	<input type="text"/>
d. correspondence	<input type="checkbox"/>	What percentage?	<input type="text"/>
f. other	<input type="checkbox"/>	What percentage?	<input type="text"/>
Comments:			

B Objectives

1. What is the main purpose for this course?

This subject introduces students to Internet architecture and software development principles, using the World Wide Web as the system example. After successfully completing the subject, a student will be able to design and create web pages for web browsers, while applying knowledge of HTML5 technologies.

1. Students learn how to build static web sites using HTML and CSS
2. Students learn JavaScript
3. Students learn how to use Javascript to validate forms
4. Students learn how to use Javascript to manipulate html elements.
5. Students learn how to use Java Servlets to read information sent by the user and to create dynamic content
6. Students will get the experience of working in groups to design and develop complete website projects.

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)

1. Increase the use of the latest Web-based reference material and textbooks.
2. Review and update the course materials as part of preparation to teach this course.
3. Gather students' opinions about their success in achieving course objectives by the end of the semester. This is done through number of survey questions that map one-to-one with course objectives.
4. Review and indicate which assessment instrument(s) to be used for assessing each course outcome, and what grading rubric will be used for each instrument.

C. Course Description (Note: General description in the form used in Bulletin or handbook)

Course Description:

This is a practical course that will enable students to develop skills in website development and administration, exploring front-end Web technologies such as HTML, CSS and Javascript. The course will focus also on building complete websites and issues related to user input form validation.

1. Topics to be Covered

List of Topics	No. of Weeks	Contact hours
Introduction to web programming	2	4
HTML5	3	6
Introduction to CSS	2	4
Introduction to JavaScript	3	6

Introduction to Servlets Programming	3	6
Introduction to JSP and multi-tier applications	2	4

2. Course components (total contact hours and credits per semester):

	Lecture	Tutorial	Laboratory or Studio	Practical	Other:	Total
Contact Hours	30	0	30	0	0	60
Credit	3	0	1	0	0	4

3. Additional private study/learning hours expected for students per week. 4

4. Course Learning Outcomes in NQF Domains of Learning and Alignment with Assessment Methods and Teaching Strategy

On the table below are the five NQF Learning Domains, numbered in the left column.

First, insert the suitable and measurable course learning outcomes required in the appropriate learning domains (see suggestions below the table). **Second**, insert supporting teaching strategies that fit and align with the assessment methods and intended learning outcomes. **Third**, insert appropriate assessment methods that accurately measure and evaluate the learning outcome. Each course learning outcomes, assessment method, and teaching strategy ought to reasonably fit and flow together as an integrated learning and teaching process. (Courses are not required to include learning outcomes from each domain.)

Code #	NQF Learning Domains And Course Learning Outcomes	Course Teaching Strategies	Course Assessment Methods
1.0	Knowledge		
1.1	Students learn how to build static web sites using HTML and CSS	Lectures, tutorial, labs	Quiz, lab evaluation, projects
1.2	Students learn JavaScript	Lectures, tutorial, labs	Quiz, lab evaluation, projects
1.3	Students learn how to use Javascript to validate forms	Lectures, tutorial, labs	Quiz, lab evaluation, projects
1.4	Students learn how to use Javascript to manipulate html elements.	Lectures, tutorial, labs	Quiz, lab evaluation, projects
1.5	Students learn how to use Java Servlets to read information sent by the user and to create dynamic content	Lectures, tutorial, labs	Quiz, lab evaluation, projects
2.0	Cognitive Skills		
2.1			
2.2			

3.0	Interpersonal Skills & Responsibility		
3.1			
3.2			
4.0	Communication, Information Technology, Numerical		
4.1	Improve the ability to work in a group	Projects	Project evaluation
4.2			
5.0	Psychomotor		
5.1			
5.2			

5. Map course LOs with the program LOs. (Place course LO #s in the left column and program LO #s across the top.) (I = Introduction P = Proficient A = Advanced)							
Course LOs #	Program Learning Outcomes (Use Program LO Code #s provided in the Program Specifications)						
	1.2	2.1	2.3	3.1	4.3	5.1	5.2
1.1	A	P	P			P	P
1.2	A	A	A	A	P	A	A
1.3	A	A	A	A	P	A	A
1.4	P	P	P	A	P	P	P
1.5	P	P	P		I	P	P
4.1				A			

6. Schedule of Assessment Tasks for Students During the Semester			
	Assessment task (e.g. essay, test, group project, examination, speech, oral presentation, etc.)	Week Due	Proportion of Total Assessment
1	Quiz 1	6	10
2	Quiz 2	13	10
3	Project 1	11	15
4	Project 2	15	15
5	Mid-term	12	20
6	Final	17	30

D. Student Academic Counseling and Support

1. Arrangements for availability of faculty and teaching staff for individual student consultations and academic advice. (include amount of time teaching staff are expected to be available each week)

Office hours between 2-4 hours per week.

--

E Learning Resources

<p>1. List Required Textbooks</p> <ul style="list-style-type: none">• HTML5 and CSS3, ElizabEth Castro, Bruce hyslop, 7th Edition, Peachpit Press, ISBN: 0321719611• JavaScript: The Definitive Guide, David Flanagan, 6th Edition, O'Reilly, ISBN: 0596805527• Java Servlet Programming, Jason Hunter, William Crawford, 2nd Edition, O'Reilly, ISBN: 0596000405• Robert Sebesta, Programming the World Wide Web, 2011, ISBN-10: 0132130815
<p>2. List Essential References Materials (Journals, Reports, etc.)</p> <p>Lecture slides and notes</p>
<p>3. List Recommended Textbooks and Reference Material (Journals, Reports, etc)</p>
<p>4. List Electronic Materials, Web Sites, Facebook, Twitter, etc.</p> <p>http://www.w3schools.com</p>
<p>5. Other learning material such as computer-based programs/CD, professional standards or regulations and software.</p>

F. Facilities Required

<p>Indicate requirements for the course including size of classrooms and laboratories (i.e. number of seats in classrooms and laboratories, extent of computer access etc.)</p>
<p>1. Accommodation (Classrooms, laboratories, demonstration rooms/labs, etc.)</p> <p>Lecture room (max 40 students) Computer lab (max 20 students) Overhead projector and internet connection</p>

<p>2. Computing resources (AV, data show, Smart Board, software, etc.)</p> <p>Regular text editors Regular Web browsers Java Development Kit (JDK) Integrated Development Environment (e.g., NetBeans, Eclipse, JBuilder).</p>
<p>3. Other resources (specify, e.g. if specific laboratory equipment is required, list requirements or attach list)</p>

G Course Evaluation and Improvement Processes

<p>1 Strategies for Obtaining Student Feedback on Effectiveness of Teaching</p> <p>A student-feedback form is distributed at the end of the course.</p>
<p>2 Other Strategies for Evaluation of Teaching by the Instructor or by the Department</p>
<p>3 Processes for Improvement of Teaching</p>

4. Processes for Verifying Standards of Student Achievement (e.g. check marking by an independent member teaching staff of a sample of student work, periodic exchange and remarking of tests or a sample of assignments with staff at another institution)

5 Describe the planning arrangements for periodically reviewing course effectiveness and planning for improvement.

The course materials will be regularly reviewed by the course instructor and the curriculum committee in order to keep it updated.

Name of Instructor: _____

Signature: _____ Date Report Completed: _____

Name of Course Instructor _____

Program Coordinator: _____

Signature: _____ Date Received: _____