هيئة تقويم التعليم والتدريب
Education & Training Evaluation Commission

اعتماد NCAAA T4 2020

Course Specifications

Course Title:	Multimedia & Web Design
Course Code:	**IT 313**
Program:	**Information Technology**
Department:	**Information Technology & Computer Science**
College:	**College of Computer and Information Science**
Institution:	**Majmaah University**

Table of Contents

A. Course Identification

1. Credit hours: 3(2, 2, 0)
2. Course type **a.** University ☐ College ☐ Department ☒ Others ☐ **b.** Required ☒ Elective ☐
3. Level/year at which this course is offered: L7
4. Pre-requisites for this course (if any)**: IS 213 - Fundamentals of Database**
5. Co-requisites for this course (if any)**:**

6. Mode of Instruction (mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	**Traditional classroom**	44	100%
2	**Blended**		
3	**E-learning**		
4	**Distance learning**		
5	**Other**		

7. Contact Hours (based on academic semester)

No	Activity	Contact Hours
1	**Lecture**	22
2	**Laboratory/Studio**	22
3	**Tutorial**	
4	**Others** (specify)	
	Total	44

B. Course Objectives and Learning Outcomes

1. Course Description

The course deals with different web technologies concepts. The topics covered in the course are listed in Course Content Section.

2. Course Main Objective

This course explores advanced and modern concepts and technologies used in the development of electronic business applications. It introduces multimedia and web computer graphics. Focuses on development of web-enabled multimedia applications from practical business perspective. Introduces and discusses technological, aesthetic, and human factors. This course includes the following topics: Introduction to internet, www, web2.0,Introduction to XHTML, CSS, JavaScript: Overview of Java Script Language, Java Script Data types, Variables, Control Structures, functions, arrays, objects, DOM, events, XML and RSS, AJAX, Adobe Flash, Adobe Dreamweaver, Rich Internet application Technologies: Web Servers (IIS and Apache), Database: SQL, MYSQL, PHP-basics, String Processing, and regular

expressions, Form Processing and business logic, connecting to database, using cookies, dynamic content, An Overview of Java, Data Types, Variables, and Arrays, Operators, Control Statements, Introducing Classes, a Closer Look at Methods and Classes, Inheritance, Packages and Interfaces, Exception Handling, Multithreaded Programming, I/O, and Applets.

3. Course Learning Outcomes

CLOs		Aligned PLOs
1	**Knowledge and Understanding**	
1.1	CLO1: Identify attributes of web design	S1
1.2	CLO2: Know principles of multimedia design that are used to communicate information	S1
2	**Skills :**	
2.1	CLO3: Learn how to create web pages	S2
3	**Values:**	
3.1	CLO4: Know technological, aesthetic, and human factors	S4

C. Course Content

No	List of Topics	Contact Hours
1	Introduction to the internet, world wide web, web 2.0	4
2	Introduction to XHTML: Heading, linking, images, lists	4
3	Tables, Forms, Internal Linking meta elements.	4
4	CSS: Different embedding styles, positioning elements, backgrounds, element dimensions	4
5	JavaScript: Introduction to Scripting	4
6	JavaScript: Java Script Data types, Variables, Control Structures, and Functions	4
7	JavaScript: arrays, objects, Data Object Model, event handling.	4
8	Server Side: Web Servers (IIS and Apache), Database: SQL, MYSQL, introduction to PHP.	4
9	PHP-basics, String Processing, and regular expressions, Form Processing, and business logic, PHP and MySQl connectivity.	4
10	Web 2.0 technologies: Ajax, DOM, XML, JSON	4
Total		44

D. Teaching and Assessment

1. Alignment of Course Learning Outcomes with Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Teaching Strategies	Assessment Methods
1.0	**Knowledge and Understanding**		
1.1	CLO1: Identify attributes of web design	Classroom Teaching	Midterm Exam, Final Exam

Code	Course Learning Outcomes	Teaching Strategies	Assessment Methods
1.2	CLO2: Know principles of multimedia design that are used to communicate information	Classroom Teaching	Midterm Exam, Final Exam, Laboratory Exam
2.0	**Skills**		
2.1	CLO3: Learn how to create web pages	Classroom Teaching, Lab Delivery	Midterm Exam, Final Exam, Laboratory Exam, Mini Project
3.0	**Values**		
3.1	CLO4: Know technological, aesthetic, and human factors	Classroom Teaching, Lab Delivery	Midterm Exam, Final Exam, Mini Project

2. Assessment Tasks for Students

#	Assessment task*	Week Due	Percentage of Total Assessment Score
1	Lab Exam 1	Week 5	10%
2	Midterm Exam	Week 6-7	20%
3	Lab Exam 2	Week 10	10%
4	Mini Project	Week 2 and 10	15%
5	Final Exam	Week 13	40%
6	Class Performance		5%

***Assessment task** (i.e., written test, oral test, oral presentation, group project, essay, etc.)

E. Student Academic Counseling and Support

Arrangements for availability of faculty and teaching staff for individual student consultations and academic advice:
Office Hours: 4 hours/Week

F. Learning Resources and Facilities

1.Learning Resources

Required Textbooks	Internet & World Wide Web: How to Program: International Version", By Deitel & Deitel, 5th edition, Pearson Higher Education, 2011.
Essential References Materials	The complete reference, Herbert Schildt, McGraw Hill Education, 9th edition, 2014
Electronic Materials	Web References and downloads: http://lms.mu.edu.sa w3schools.com College Computer Laboratory for Practical Implementation
Other Learning Materials	Atom Dreamweaver Notepad++ Adobe Animate

2. Facilities Required

Item	Resources
Accommodation (Classrooms, laboratories, demonstration rooms/labs, etc.)	Laboratory- Capacity for 20 students to be seated
Technology Resources (AV, data show, Smart Board, software, etc.)	Atom PC - Smart board - Computers in the Lab room, Dreamweaver Notepad++ Adobe Animate
Other Resources (Specify, e.g. if specific laboratory equipment is required, list requirements or attach a list)	Internet Connection

G. Course Quality Evaluation

Evaluation Areas/Issues	Evaluators	Evaluation Methods
Final Exam Answer Script	Peer faculty members	Review
Course Feedback	Students	Survey

Evaluation areas (e.g., Effectiveness of teaching and assessment, Extent of achievement of course learning outcomes, Quality of learning resources, etc.)
Evaluators (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)
Assessment Methods (Direct, Indirect)

H. Specification Approval Data

Council / Committee	
Reference No.	
Date	