هيئة تقويم التعليم والتدريب
Education & Training Evaluation Commission

T-104
2022

Course Specification

Course Title:	**Web sites programming and designing**
Course Code:	**286CIS-3**
Program:	**Information system**
Department:	**Computer department**
College:	**Applied college**
Institution:	**Najran university**
Version:	**Version 4**
Last Revision Date:	**28 /8/ 2023**

Table of Contents:

A. General information about the course:

Course Identification					
1. Credit hours:	3(2+1)				
2. Course type					
a.	University ☐	College ☐	Department☒	Track☐	Others☐
b.	Required ☒	Elective☐			
3. Level/year at which this course is offered: 4th Level					
4. Course general Description					
5. Pre-requirements for this course (if any): None					
6. Co- requirements for this course (if any): None					
7. Course Main Objective(s) This course provides an overview of the Internet (definitions, developments, services and applications), web browsers, web publishing, search engines, search methods, Internet tools and technologies, HTTP / TCP / IP architecture, Internet security and privacy. HTML definition and tagging, add different elements to web pages, cascading style sheet studding (CSS).This course also introduce the introduction of JavaScript.					

1. Teaching mode **(mark all that apply)**

No	Mode of Instruction	Contact Hours	Percentage
1.	Traditional classroom	4 hours per week	100%
2.	E-learning		
3.	Hybrid • Traditional classroom • E-learning		
4.	Distance learning		

2. Contact Hours (based on the academic semester)

No	Activity	Contact Hours
1.	Lectures	28
2.	Laboratory/Studio	28
3.	Field	
4.	Tutorial	
5.	Others (specify)	
	Total	56

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Code of CLOs aligned with program	Teaching Strategies	Assessment Methods
1.0	Knowledge and understanding			
1.1	Identify theoretical understanding of web site design	K1 = I	Lecture Whole Group and small group discussion	Exams. Assignments.
1.2	Outline theoretical and practical knowledge in web programming with HTML	K2 = I	Lecture Whole Group and small group discussion	Exams. Assignments
…				
2.0	Skills			
2.1	Design of web page applications	S1 = I	Lecture. Brainstorming. Small Group Work. Lab Demonstration. Project.	Group reports. Lab reports. Assignments.
2.2	Develop a typical web-based application	S2 = I		
…				
3.0	Values, autonomy, and responsibility			
3.1	Demonstrating the latest internet application architectures.	V1 = I	Individual presentation. Small group work	Group reports. Lab reports. Assignments.
3.2				
...				

C. Course Content

No	List of Topics	Contact Hours
1.	Introducing hypertext markup language (HTML), text editor, web browser, elements, tags and attributes of HTML, basic structure of HTML page. **Lab**: HTML basic document	4 4
2.	HTML text layout tags, HTML paragraphs, headers, ordered and unordered lists, definition list, fonts, text elements, special characters. **Lab**: HTML text layout, lists, fonts.	4 4
3	Adding Images to the web: exploring image optimization, adding images to web page, custom icon in browser, creating image thumbnail, creating image map **Lab**: adding images to web page	2 2
4	Understanding hyperlinks: understanding uniform resource locators (URL), using hyperlinks for absolute URLs, adding targets to hyperlinks, creating anchors, linking to email, creating image links, **Lab**: hyperlinks	4 4
5	HTML tables: crating table rows and data cells, adding padding and spacing to table cells, adding headings to table, adding caption to tables, adding frame attributes to table, specifying column and rows spans, **Lab**: tables in HTML.	2 2
6	HTML forms: building simple form, adding check box, adding radio buttons, adding file fields, adding text area, adding select elements list, adding field set and legend. **Lab**: HTML forms	4 4
7	Introduction to Cascading style sheet (CSS) **Lab**: Working on CSS	2 2
8	Introduction to JavaScript **Lab**: Apply simple programs in JavaScript	4 4
9	Review and Lab exam	4
Total		56

D. Students Assessment Activities

No	Assessment Activities *	Assessment timing (in week no)	Percentage of Total Assessment Score
1.	Midterm exam	8	20%
2.	Homework's	From 3 to 13	10%
3.	Practical exam	14	20%
4	Final exam	16	50%

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	H. M. Deitel, P. J. Deitel, Internet & World Wide Web How to Program, Prentice Hall, Latest Edition
Supportive References	H.M. Deitel, P.J. Deitel, T.R. Nierto. Internet and world wide web – how to program. Fourth edition. Prentice Hall, 2008.
Electronic Materials	Black Board
Other Learning Materials	https://www.w3schools.com/css/css_intro.asp http://lib.nu.edu.sa/DigitalLibbrary.aspx

2. Required Facilities and equipment

Items	Resources
facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	Lecture rooms should be large enough to accommodate the number of registered students
Technology equipment (projector, smart board, software)	Black Board/Data Show
Other equipment (depending on the nature of the specialty)	A separate Web Technology lab is required for lab exercise

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching	Student	Direct: Questioners
Effectiveness of students assessment	Teacher Audit and review committees	Direct: CW & HW Exercises and short quizzes Projects Mid and final paper exams.
Quality of learning resources	Teachers and course description committees	Indirect: Benchmarking Self-evaluation External evaluation

Assessment Areas/Issues	Assessor	Assessment Methods
The extent to which CLOs have been achieved	Teacher	Direct: Measuring the learning outcomes
Other		

Assessor (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)

Assessment Methods (Direct, Indirect)

G. Specification Approval Data

COUNCIL /COMMITTEE	
REFERENCE NO.	
DATE