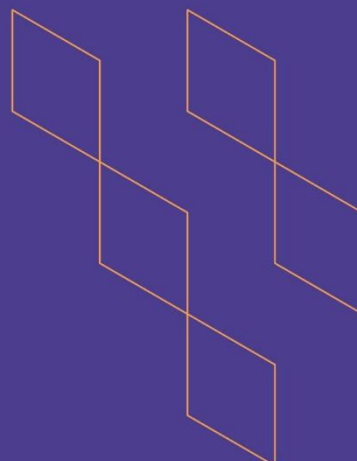




T-104
2022

Course Specification



Course Title: **Web sites programming and designing**

Course Code: 286 حال-٣

Program: **programming and databases**

Department: **computer department**

College: **applied college**

Institution: **NAJRAN University**

Version: **T -104 2022**

Last Revision Date: **10 sep 2023**



Table of Contents:

Content	Page
A. General Information about the course	3
1. Teaching mode (mark all that apply)	3
2. Contact Hours (based on the academic semester)	3
B. Course Learning Outcomes, Teaching Strategies and Assessment Methods	4
C. Course Content	5
D. Student Assessment Activities	6
E. Learning Resources and Facilities	6
1. References and Learning Resources	6
2. Required Facilities and Equipment	6
F. Assessment of Course Quality	7
G. Specification Approval Data	7





A. General information about the course:

Course Identification

1. Credit hours: (1 + 2) 3

2. Course type

a. University College Department Track Others

b. Required Elective

3. Level/year at which this course is offered: 4rd semester

4. Course general Description

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 rendering (CSS). this course also introduce the introduction of JavaScript.

5. Pre-requirements for this course (if any):

Nil

6. Co- requirements for this course (if any):

Nil

7. Course Main Objective(s)

- Identify the fundamentals technologies in the design and programming of internet application
- Recognize the basic Syntax of Programming Language. (Such as HTML, CSS)
- Apply the modern web development tools to design of web page applications
- Review of web application examples.
- Provide overview of programming using JavaScript.

1. Teaching mode (mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1.	Traditional classroom	4 hours per week	95%
2.	E-learning		5%
3.	Hybrid <ul style="list-style-type: none"> • Traditional classroom • E-learning 		
4.	Distance learning		
TOTAL			100%





2. Contact Hours (based on the academic semester)

No	Activity	Contact Hours
1.	Lectures	30 Hours
2.	Laboratory/Studio	30 Hours
3.	Field	-
4.	Tutorial	-
5.	Others (specify)	-
Total		60 Hours

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	<ul style="list-style-type: none"> Lectures, Brainstorming, Class Discussion Lab Reports 	<ul style="list-style-type: none"> Class work home works assignments Quizzes Midterm Exams Final Exam
1.2	Outline theoretical and practical knowledge in web programming with HTML	K1=I		
2.0	Skills			
2.1	Design of web page applications		<ul style="list-style-type: none"> Lecture Brainstorming Small Group Work Lab Demonstration Project Exam Group Reports Lab Reports 	<ul style="list-style-type: none"> home works assignments Quizzes Midterm Exams Final Exam
2.2	Develop a typical web-based application			
3.0	Values, autonomy, and responsibility			
3.1	Illustrate knowledge of web programming and designing			





C. Course Content

No	List of Topics	Contact Hours
1.	overview of the Internet (definitions, developments, services and applications)	4
2.	Introducing hypertext markup language (HTML), text editor, web browser, elements, tags and attributes of HTML, basic structure of HTML page. Lab: HTML basic document	6
3.	HTML text layout tags, HTML paragraphs, headers, ordered and unordered lists, definition list, fonts, text elements, special characters. Lab: HTML text layout, lists, fonts.	6
4.	Understanding hyperlinks: understanding uniform resource locators (URL), using hyperlinks for absolute URLs, adding targets to hyperlinks, creating anchors, linking to email. Lab: hyperlinks	6
5.	Adding Images to the web: exploring image optimization, adding images to web page, custom icon in browser, creating image links, creating image thumbnail, creating image map Lab: adding images to web page	6
6.	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 .	6
7.	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	6
8.	Introduction to Cascading style sheet(CSS) Lab: Working on CSS	8
9.	Introduction to JavaScript Lab: Apply simple programs in JavaScript	4
10	Introduction to JavaScript Lab: Apply simple programs in JavaScript	4
11	Create a simple website consisting of several pages	4
Total		60





D. Students Assessment Activities

No	Assessment Activities *	Assessment timing (in week no)	Percentage of Total Assessment Score
1.	First Monthly Exam	8	20%
2.	Homework's	From 2 to 12	10%
3.	Practical exam	15	20%
4.	Final exam	17	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

Required Textbooks	James A. Brannan. Brilliant HTML & CSS. Pearson Education Limited 2009 HTML & CSS Thomas A. Powell (tpowell@pint.com) Elizabeth Castro , HTML for the World Wide Web with XHTML and CSS: visual quick start guide, fifth edition , peachpit press, ISBN : 032113073
Essential References	H. M. Deitel, P. J. Deitel, Internet & World Wide Web How to Program, Prentice Hall, Latest Edition
Electronic Materials	Black Board
Other Learning Materials	https://www.w3schools.com/css/css_intro.asp http://lms.nu.edu.sa/webapps/portal/frameset.jsp http://lib.nu.edu.sa/DigitalLibrary.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	Staff committee	Cross checking
Effectiveness of students assessment	Student	Questioners
Quality of learning resources		
The extent to which CLOs have been achieved		
Other		

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

Assessment Methods (Direct, Indirect)

G. Specification Approval Data

COUNCIL /COMMITTEE		
REFERENCE NO.		
DATE		