Course Specification
(Bachelor)

Course Title:	Web sites programming and designing
Course Code:	286CIS-3
Program:	Programming and databases
Department:	COMPUTER Deprtment
College:	Applied college
Institution:	Najran University19 AUG 2023
Version:	1
Last Revision Date	2024/10/1:

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A. General information about the course:

1. Course Identification

1. Credit hours: (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)**:**					
no					
6. Co-requisites for this course (if any)**:**					
No					
7. Course Main Objective(s):					

- **Identify the fundamentals technologies in the design and programing 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**

2. Teaching mode (mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	4hours per week	%95
2	E-learning		
3	Hybrid • Traditional classroom • E-learning		%5
4	Distance learning		%0

3. Contact Hours (based on the academic semester)

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

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

Code	Course Learning Outcomes	Code of PLOs aligned with the program	Teaching Strategies	Assessment Methods
1.0	**Knowledge and understanding**			
1.1	Identify theoretical understanding of web site design	K1=I	• Lectures, • Discussion • Lab clas	Class work Quizzes Midterm Exams Final Exam
1.2	Outline theoretical and practical knowledge in web programming with HTML	K1=I	• Lectures, • Discussion	Class work Quizzes Midterm Exams Final Exam
...				
2.0	**Skills**			

Code	Course Learning Outcomes	Code of PLOs aligned with the program	Teaching Strategies	Assessment Methods
2.1	Design of web page applications	S1	• Lectures, • Discussion • Lab clas	Midterm Exams lab Exam
2.2	Develop a typical web-based application	S2	• Lectures, • Discussion • Lab clas	Midterm Exams lab Exam
...				
3.0	**Values, autonomy, and responsibility**			
3.1	Respects others in various work environments and takes responsibility for decision-making	V1		
3.2				
...				

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	6

	Lab: HTML forms	
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	8

Total		**60**

D. Students Assessment Activities

No	Assessment Activities *	Assessment timing (in week no)	Percentage of Total Assessment Score
1.	Midterm Exam	8	20%
2.	Course Project, Assignments, Quizzes, . . .	During Semester	10%
3.	Practical Exam	16	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

Essential References	James A. Brannan. Brilliant HTML & CSS. Pearson Education Limited 2009 H.M. Deitel, P.J. Deitel, T.R. Nierto. Internet and world wide web – how to program. Fourth edition. Prentice Hall, 2008. Elizabeth Castro , HTML for the World Wide Web with XHTML and CSS: visual quick start guide, fifth edition , peachpit press, ISBN : 032113073
Supportive 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/DigitalLibbrary.aspx*

2. Required Facilities and equipment

Items	Resources
facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	A classroom equipped with a projector , (image and sound) and a smart board
Technology equipment (projector, smart board, software)	Business automation lab equipped with computers and connected to the Internet
Other equipment (depending on the nature of the specialty)	

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching	students	Questionnaire
Effectiveness of Students assessment	Faculty members / quality committee / peer reviewer	Direct observation
Quality of learning resources	Faculty members and leaders/students	typical tests and answers / assessments and assignments / questionnaires
The extent to which CLOs have been achieved	Planning and curricula committee /faculty members	**Measuring learning outcomes**
Other		

Assessors (Students, Faculty, Program Leaders, Peer Reviewers, Others (specify)

Assessment Methods (Direct, Indirect)

G. Specification Approval

COUNCIL /COMMITTEE	
REFERENCE NO.	
DATE	