Course Specification
(Bachelor)

Course Title:	Web sites programming and designing
Course Code:	**286CIS-3**
Program:	Information system
Department:	**computer**
College:	Applied College
Institution:	Najran University
Version:	**2**
Last Revision Date:	29/3/1446

Table of Contents

A. General information about the course:

1. 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: (4th level 2nd year)					
4. Course General Description:					
Study of common Abstract Data Types (ADTs), basic data structures include arrays, design, and analysis of algorithms. Common ADTs: stack, queue, tree, linked lists, hash tables. Basic design and analysis of algorithms covers asymptotic notation, recursive algorithms, searching and sorting algorithms, graphs and trees.					
5. Pre-requirements for this course (if any)**:**					
None					
6. Co-requisites 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 rendering (CSS).this course also introduce the introduction of JavaScrip.					

2. Teaching mode (mark all that apply)

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

3. Contact Hours (based on the academic semester)

No	Activity	Contact Hours
1.	**Lectures**	13
2.	**Laboratory/Studio**	52
3.	**Field**	
4.	**Tutorial**	
5.	**Others (specify)**	
Total		65

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

	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 Outline theoretical and practical knowledge in web programming with HTML	**K1** **K2**	Lecture Whole Group and small group discussion	Exams Assignments
2.0	**Skills**			
2.1	Design of web page applications	**S1**	Lecture Brainstorming Small Group Work Lab Demonstration Project	Exam Group Reports Lab Reports
2.2	Develop a typical web-based application.	**S2**		
3.0	**Values, autonomy, and responsibility**			
3.1	Illustrate knowledge of web programming and designing.	**V1**	Individual presentation Small group work	Group reports Lab reports Assignments
...				

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	1 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.	2 6
3.	Understanding hyperlinks: understanding uniform resource locators (URL), using hyperlinks for absolute URLs, adding targets to hyperlinks, creating anchors, linking to email. Lab: hyperlinks	1 4
4.	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	1 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 .	1 6
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	1 6
7.	Introduction to Cascading style sheet(CSS) Lab: Working on CSS	3 10
8.	Introduction to JavaScript Lab: Apply simple programs in JavaScript	3 12
Total		65

D. Students Assessment Activities

No	Assessment Activities *	Assessment timing (in week no)	Percentage of Total Assessment Score
1.	First Monthly Exam	7	10%
2.	Second Monthly exam	11	10%

No	Assessment Activities *	Assessment timing (in week no)	Percentage of Total Assessment Score
3.	Homework's	From 2 to 13	10%
4	Practical exam	14	20%
5	Final exam	15	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.)	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
Teaching strategy, staff performance, assessment methods	Student	Questioners

Assessment Areas/Issues	Assessor	Assessment Methods
Exam paper , course results	Staff committee	Cross checking
Quality of learning resources	Faculty members and leaders/students	Achievement file / typical tests and answers / assessments and assignments / questionnaires
Other	Students and faculty members	Questionnaires/note card

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

Assessment Methods (Direct, Indirect)

G. Specification Approval

COUNCIL /COMMITTEE	
REFERENCE NO.	
DATE	