



T-104
2022

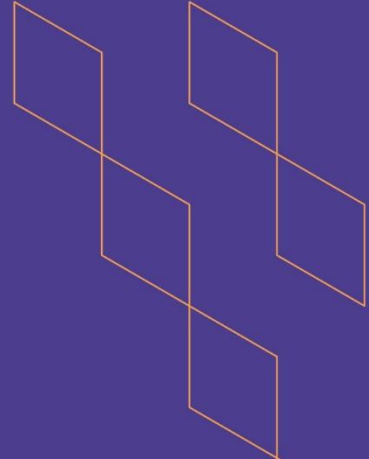
Course Specification





T-104
2022

Course Specification



Course Title: Internet Technology
Course Code: 2342 CIS
Program: Information Systems
Department: NA
College: Applied College
Institution: King Khalid University
Version: 1
Last Revision Date: 6 August 2023



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A. General information about the course:

Course Identification	
1. Credit hours:	3
2. Course type	
a.	University <input type="checkbox"/> College <input type="checkbox"/> Department <input type="checkbox"/> Track <input type="checkbox"/> Others <input checked="" type="checkbox"/>
b.	Required <input checked="" type="checkbox"/> Elective <input type="checkbox"/>
3. Level/year at which this course is offered:	3rd Level
4. Course general Description: This course prepares the students with the skills and project-based experience that are needed to be qualified for web design and development careers. They will learn a variety of strategies and tools that allow them to create websites and test web pages usability.	
5. Pre-requirements for this course (if any):	
6. Co- requirements for this course (if any):	
7. Course Main Objective(s):	
<ul style="list-style-type: none"> • Provide the basics of internet. • Internet protocols and web concepts. • Learn Client and server-side web technologies. 	

1. Teaching mode (mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1.	Traditional classroom	64	100
2.	E-learning		
3.	Hybrid <ul style="list-style-type: none"> • Traditional classroom • E-learning 		
4.	Distance learning		

2. Contact Hours (based on the academic semester)

No	Activity	Contact Hours
1.	Lectures	32
2.	Laboratory/Studio	32
3.	Field	
4.	Tutorial	
5.	Others (specify)	





Total

64



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	Define the internet basics and Internet latest techniques	k2	Lectures + Lab	Exams, Assignments, Quizzes
1.2	Identify the major Internet protocols and web concepts	K1	Lectures + Lab	Exams, Assignments, Quizzes
1.3	Explain the client-server architecture	K2	Lectures + Lab	Exams, Assignments, Quizzes
2.0	Skills			
2.1	Analyze a web page and identify its elements and attributes.	s1	Lectures + Lab	Exams, Assignments, Quizzes
2.2	Develop Front-End web applications using HTML, CSS.	s2	Lectures, Lab, group discussion	Exams, Assignments, Quizzes
2.3	Build dynamic web pages using JavaScript (Client-side programming).	s3	Lectures, Lab, group discussion	Exams, Lab Assignments, Quizzes
3.0	Values, autonomy, and responsibility			
3.1	Work as team member to deliver web-based applications.	v1	Lectures, Lab, Case Study	Exams, Assignments and presentation
3.2	Present a given topic to classmate with affective communicative skills	v1	Lab	Exams, Assignments and presentation

C. Course Content

No	List of Topics	Contact Hours
1	Internet Definition, Evolution of Internet & WWW, IP address, TCP/IP Protocols stack, Domain Name Systems, Protocols, and related services, & Client & Server Architectures.	3
2	Introduction to HTML, HTML structure, HTML tags, HTML elements, HTML attributes.	3



3	Meta tags, HTML headings, HTML paragraphs, Horizontal Line tags, break line, HTML formatting tags, HTML images, HTML links	4
4	HTML comments, HTML Lists, HTML tables, HTML forms	5
5	HTML audio and videos, HTML ids and class attributes, HTML Layout	4
6	Introduction to Cascading Style Sheets, CSS syntax, Applying CSS to HTML documents.	4
7	CSS selectors, CSS comments, CSS colors,	3
8	CSS fonts, CSS backgrounds, CSS Text	3
9	CSS Links, CSS Lists, CSS Display properties,	3
10	CSS margin, Padding, Border, Box models, Box sizing	3
11	CSS transition, Opacity	3
12	CSS Flexbox layout	3
13	Introduction to JavaScript, Variables, Identifiers, Comments	3
14	Display output using JavaScript, JavaScript operators,	5
15	JavaScript Popup boxes	3
16	JavaScript Conditional Statements	3
17	JavaScript Looping	3
18	JavaScript functions	4
19	Document Object Model	2
Total		64

D. Students Assessment Activities

No	Assessment Activities *	Assessment timing (in week no)	Percentage of Total Assessment Score
1.	Quiz 1	4	5
2.	Midterm Exam 1	7	10
3.	Practical Assessment	1 to 16	30
4.	Midterm Exam 2	12	10
5.	Quiz 2	14	5
6.	Final Exam	After week 16	40

*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	Internet & World Wide Web How to Program, 5/e, Harvey M. Deitel and Paul J. Deitel © 2012, 1000pp. ISBN: 978-0-13-215100-9.
Supportive References	<ul style="list-style-type: none"> Homepage Usability: 50 Websites Deconstructed by Jacob Nielsen and Marie Tahir, 2002. HTML and CSS: Design and Build Websites by Duckett, J. 2011 JavaScript, A Beginner's Guide, Third Edition, Willard/Pollock, McGraw Hill, 2009
Electronic Materials	http://www.w3schools.com
Other Learning Materials	All other materials will be made available via course's Blackboard page

2. Required Facilities and equipment

Items	Resources
facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	<ul style="list-style-type: none"> Lecture Room with enough capacity Chairs Projector/Screen. Laboratories with Computers
Technology equipment (projector, smart board, software)	<ul style="list-style-type: none"> Laboratories computers with internet connection. Projectors, Computer for Theory Classes and Practical Sessions.
Other equipment (depending on the nature of the specialty)	

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching	Students	Indirect
Effectiveness of students assessment	Course Teacher	Direct
Quality of learning resources	Program Supervisor, Quality Unit	Direct
The extent to which CLOs have been achieved	Course Teacher	Direct
Other	Course Teacher, Quality Unit	Direct





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

Assessment Methods (Direct, Indirect)

G. Specification Approval Data

COUNCIL /COMMITTEE	
REFERENCE NO.	
DATE	

