

SULTAN QABOOS UNIVERSITY

COLLEGE OF SCIENCE

DEPARTMENT OF COMPUTER SCIENCE

BACHELOR OF SCIENCE IN COMPUTER SCIENCE

COURSE OUTLINE

I. COURSE INFORMATION					
COURSE CODE	COMP3700				
COURSE TITLE	INTRODUCTION TO WEB COMP	PUTING			
OMAN QUALIFICATION FRAMEWORK (OQF) LEVEL	7				
CREDIT HOURS	3				
CONTACT HOURS	4				
PRE-REQUISITES	LANC2058 and COMP2202				
CO-REQUISITES	COMP3205				
EQUIVALENT COURSES	COMP3101 and COMP3701				
INCOMPATIBLE COURSES					
	University Requirement		□ University Elective		
	College Requirement		□ College E	lective	
COURSE CATECORY	Department Requirement		Department	nt Elective	
COURSE CATEGORT	Major Requirement		□ Major Elective		
	□ Specialization Requirement		□ Specialization Elective		
	□ Other (specify):				
COUDSE OWNED	College: Science		Department:	Computer Science	
COURSE OWNER	Center:		Unit:		
DELIVERY MODE	⊠ Face to Face	□ Blen	ided	□ Online	
			⊠ Lecture/La	b	
COURSE TYPE	□ Lecture/Seminar		□ Lecture/Studio		
	Lecture/Tutorial		□ Lecture/Lab/Tutorial or Seminar		

	□Tutorial			□ Laboratory (Practical)		
	□ Field or W	ork Placement		□ Studio		
				□ Internship		
	□ Workshop)		Project		
	□ Thesis			□ Other (specify):		
LANGUAGE OF INSTRUCTION	English					
COURSE DESCRIPTION	This course introduces the Internet, WWW, protocols and architectures of Web applications, Web browsers, Web servers, tools to develop applications running on the client side (e.g. XHTML, CSS, HTML5, JavaScript, Dynamic HTML), tools to develop applications running on the server side (e.g. PHP) and understanding the functionalities and roles these tools have in developing Web applications					
	□ Augmente	ed Reality		□ Flipped Cl	assroo	m
	□ Blended L	earning		⊠ Problem-B	ased I	earning
TEACHING AND LEARNING STRATEGIES	Discovery-Based Learning		Project-Based Learning		earning	
	□ Student-Led Learning			⊠ Team-Based Learning		
	U Work-Based Learning		□ Other (specify):			
	⊠In-term examination(s) (20 %)			🗆 Quizzes (🤅	%)	
ASSESSMENT COMPONENT	□ Homework assignments (%)			⊠Project (159	%)	⊠Other (Lab Exercise:
	⊠ Final examination (40 %)			⊠ Practical/ I (20%)	Lab	(5%))
TEXTBOOKS AND	Programming the World Wide Web. Robert W. Sebesta. Pearson, Addison Wisely, Seventh Edition, 2013					
EDUCATIONAL MATERIAL	References: https://www.w3schools.com					
GRADING METHOD	A-F Scale		□ Pass	/Not Pass		Other (specify):
GRADING METHOD DESCRIPTI	ON					
	Range	Letter Grade		Desc	riptio	n
	90 - 100	А	Exce	ptional perfor	mance	e: All course
A-F GRADING SCALE:	86 - 89.9	A-	consi	stently outstand	ling m	anner.
	81-85.9	B+	Very	Good Perform	nance	The majority of
	77 – 80.9	В	the co being	the course objectives achieved (majority being at least two-thirds) and met in a		eved (majority and met in a
	73 – 76.9	B-	consi	consistently thorough manner.		ner.

	68 - 72.9	C+	Satisfactory Performance: At least most
	64 – 67.9	С	and met satisfactorily.
	60 – 63.9	C-	
	55 – 59.9	D+	Minimally Acceptable Performance: The course objectives met at a minimally
	50 - 54.9	D	acceptable level.
	0 – 49.9	F	Unacceptable performance: The course objectives not met at a minimally acceptable level.
PASS/NOT PASS:			
OTHER:			

II. SEMESTER INFORMATION

SEMESTER/YEAR	Spring/2025	Section(s)	10
DAY AND TIME	Sunday and Tuesday 8:00 – 9:50	Venue(s)	SCI/0018
COURSE COORDINATOR	Dr. Abdullah Al-Hamdani	COURSE TEAM	-
COORDINATOR OFFICE	0014	OFFICE HOURS	Sunday & Tuesday 10:30 – 11:30
COORDINATOR EXTENSION	24142221	COORDINATOR EMAIL	abd@squ.edu.om

III. ALIGNMENT OF COURSE LEARNING OUTCOMES (CLO), PROGRAM LEARNING OUTCOMES (PLO), GRADUATE ATTRIBUTES (GA), AND OMAN QUALIFICATION FRAMEWORK (OQF) CHARACTERISTICS

	CLO	<u>PLO</u> / SO	SQU Graduate Attributes	OQF Characteristics
1. 1	Describe the concepts of Internet and the Web and their associated technologies and protocols.	1	A	1
2. 1	Describe the role of the client-server architecture	1	А	1
3. 1	Describe mark-up languages and their associated standards.	1	А	1
4.]	Describe some ethical issues related to Web Development and Design	4	E	4,5
5. 1	Describe the Impact of Web Development and Design on individuals, organizations and society.	4	E	5
6. 1	Build Web documents using HTML and CSS.	2	A,D	1,4
7.	Apply Web design best practices when developing Websites.	2	A	1

8. Build Client-side applications using JavaScript language.	2	A	1
9. Use Dynamic HTML techniques to change the contents and the layouts of Web documents based on different events.	2	A	1
10. Develop dynamic Web-based applications using PHP server-side scripting techniques and MySQL Database server.	2	A,D	1,4
11. Evaluate Web documents and Websites.	2	А	1
12. Build self-learning capability.	4	F	6
13. Work efficiently in teams to develop a complete website using all learned techniques and tools. Present it orally	5,6	С	3
14. Work efficiently in teams to present a complete developed website orally and in writing.	3	D	4

IV. Co	URSE LEARNING OUTCOMES (CLOS) AND ASSESSMENT CRITERIA AND METHODS	(FOR EACH CLO)		
CLO1: DESCRIBE THE CONCEPTS OF THE INTERNET AND THE WEB AND THEIR ASSOCIATED TECHNOLOGIES AND PROTOCOLS.				
Assess	SMENT CRITERIA (TO ACHIEVE THIS OBJECTIVE, THE STUDENT MUST)	Assessment Methods		
A)	Identify the basic structure of the Internet and the Web.			
В)	Explain the role of TCP/IP, HTTP, and other web-related	Midterm, Final		
	protocols.			
CLO2:	DESCRIBE THE ROLE OF THE CLIENT-SERVER ARCHITECTURE			
Assess	SMENT CRITERIA (TO ACHIEVE THIS OBJECTIVE, THE STUDENT MUST)	Assessment Methods		
A)	Explain how client-server architecture works in web-based	Midterm, Final		
	systems.			
B)	Differentiate between client-side and server-side roles and	Project, Lab Exercises		
0.02	processes.			
CLO3:	DESCRIBE MARK-UP LANGUAGES AND THEIR ASSOCIATED STANDARDS	A		
ASSESS	SMENT CRITERIA (TO ACHIEVE THIS OBJECTIVE, THE STUDENT MUST)	ASSESSMENT METHODS		
A)	Define the role of HTML and CSS in web development.	Midterm, Final		
B)	Apply appropriate syntax and rules of HTML and CSS in web	Lad Exercises, Project		
CI 04·	DESCRIBE SOME ETHICAL ISSUES RELATED TO WER DEVELOPMENT AND DESIGN			
	SMENT CRITERIA (TO ACHIEVE THIS ORIECTIVE THE STUDENT MUST)	Assessment Methods		
	Identify potential ethical concerns in data privacy and security	Midterm Final		
	Discuss the ethical responsibilities of web developers in relation to	Project		
IJ	accessibility and fairness.	Tojeet		
C)	Analyze real-world cases where ethical issues arose in web	Project		
	development.			
CL	O5: DESCRIBE THE IMPACT OF WEB DEVELOPMENT AND DESIGN ON INDIVIDUAL	S, ORGANIZATIONS, AND SOCIETY.		
Assess	SMENT CRITERIA (TO ACHIEVE THIS OBJECTIVE, THE STUDENT MUST)	Assessment Methods		
A)	Analyze the effects of web design on user experience.	Midterm, Final		
В)	Discuss how web technologies influence business processes.	Project, Lab Exercises		
C)	Assess the societal implications of e-commerce, social media, and	Final, Project		
	online platforms.			
CL	O6: BUILD WEB DOCUMENTS USING HTML AND CSS.			
Assess	MENT CRITERIA (TO ACHIEVE THIS OBJECTIVE, THE STUDENT MUST)	ASSESSMENT METHODS		

A)	Create a functional web page using HTML structure and elements.	Lab Exercises, Lab Test		
B)	Style web pages effectively using CSS properties and techniques.	Project, Final		
CL	.07: APPLY WEB DESIGN BEST PRACTICES WHEN DEVELOPING WEBSITES.			
Assess	SMENT CRITERIA (TO ACHIEVE THIS OBJECTIVE, THE STUDENT MUST)	Assessment Methods		
A)	Apply responsive design principles to web layouts.	Project, Lab Exercises		
B)	Use industry-standard guidelines for usability and accessibility.	Project, Final		
C)	Optimize web pages for performance and SEO.			
CLO8:	BUILD CLIENT-SIDE APPLICATIONS USING JAVASCRIPT LANGUAGE			
Assess	SMENT CRITERIA (TO ACHIEVE THIS OBJECTIVE, THE STUDENT MUST)	Assessment Methods		
A)	Write JavaScript to handle events and user interactions.			
B)	Create dynamic content updates using DOM manipulation.	Lab Exercises, Lab Test		
C)	Apply JavaScript functions and control structures for problem- solving.	Final, Project		
CL	.09: Use Dynamic HTML techniques to change the contents and the	LAYOUTS OF WEB DOCUMENTS BASED ON		
DI	FFERENT EVENTS.			
Assess	SMENT CRITERIA (TO ACHIEVE THIS OBJECTIVE, THE STUDENT MUST)	ASSESSMENT METHODS		
A)	Implement event-driven programming techniques using JavaScript.	Lab Exercises, Project		
В)	Dynamically modify the layout and content of web pages using JavaScript.	Lab Exercises, Final		
C)	Build interactive features like forms and animations using dynamic HTML.	Project, Lab Test		
CLO10	D: DEVELOP DYNAMIC WEB-BASED APPLICATIONS USING PHP SERVERSIDE SCRIP	TING TECHNIQUES AND MYSQL DATABASE		
SERVER	8			
ASSES	SMENT CRITERIA (TO ACHIEVE THIS OBJECTIVE, THE STUDENT MUST)	ASSESSMENT METHODS		
7100200				
A)	Write PHP scripts to process and display user data from web forms.			
A) B)	Write PHP scripts to process and display user data from web forms. Interact with MySQL databases to store and retrieve data using SQL queries.	Lab Exercises, Project Final,		
A) B) C)	 Write PHP scripts to process and display user data from web forms. Interact with MySQL databases to store and retrieve data using SQL queries. Integrate PHP and MySQL to create a fully functional web application. 	Lab Exercises, Project Final,		
A) B) C) CLO11	 Write PHP scripts to process and display user data from web forms. Interact with MySQL databases to store and retrieve data using SQL queries. Integrate PHP and MySQL to create a fully functional web application. BUILD SELF-LEARNING CAPABILITY. 	Lab Exercises, Project Final,		
A) B) C) CLO11 Assess	Write PHP scripts to process and display user data from web forms. Interact with MySQL databases to store and retrieve data using SQL queries. Integrate PHP and MySQL to create a fully functional web application. I: BUILD SELF-LEARNING CAPABILITY. SMENT CRITERIA (TO ACHIEVE THIS OBJECTIVE, THE STUDENT MUST)	Lab Exercises, Project Final, Assessment Methods		
A) B) C) CLO11 Assess A)	Write PHP scripts to process and display user data from web forms. Interact with MySQL databases to store and retrieve data using SQL queries. Integrate PHP and MySQL to create a fully functional web application. 1: BUILD SELF-LEARNING CAPABILITY. SMENT CRITERIA (TO ACHIEVE THIS OBJECTIVE, THE STUDENT MUST) Independently learn and apply new web development tools and frameworks.	Lab Exercises, Project Final, Assessment Methods		
A) B) C) CLO11 ASSESS A) B)	 Write PHP scripts to process and display user data from web forms. Interact with MySQL databases to store and retrieve data using SQL queries. Integrate PHP and MySQL to create a fully functional web application. BUILD SELF-LEARNING CAPABILITY. SMENT CRITERIA (TO ACHIEVE THIS OBJECTIVE, THE STUDENT MUST) Independently learn and apply new web development tools and frameworks. Demonstrate self-initiative in solving complex web development challenges. 	Lab Exercises, Project Final, ASSESSMENT METHODS Project, Self-Learning Reports		
A) B) C) CLO11 Assess A) B) C)	 Write PHP scripts to process and display user data from web forms. Interact with MySQL databases to store and retrieve data using SQL queries. Integrate PHP and MySQL to create a fully functional web application. BUILD SELF-LEARNING CAPABILITY. SMENT CRITERIA (TO ACHIEVE THIS OBJECTIVE, THE STUDENT MUST) Independently learn and apply new web development tools and frameworks. Demonstrate self-initiative in solving complex web development challenges. Utilize online resources and documentation effectively. 	Lab Exercises, Project Final, ASSESSMENT METHODS Project, Self-Learning Reports		
A) B) C) CLO11 Assess A) B) C) CLO12	 Write PHP scripts to process and display user data from web forms. Interact with MySQL databases to store and retrieve data using SQL queries. Integrate PHP and MySQL to create a fully functional web application. BUILD SELF-LEARNING CAPABILITY. SMENT CRITERIA (TO ACHIEVE THIS OBJECTIVE, THE STUDENT MUST) Independently learn and apply new web development tools and frameworks. Demonstrate self-initiative in solving complex web development challenges. Utilize online resources and documentation effectively. 2: DEVELOP DYNAMIC WEB-BASED APPLICATIONS USING PHP SERVER-SIDE SCRIP 	Lab Exercises, Project Final, ASSESSMENT METHODS Project, Self-Learning Reports TING TECHNIQUES AND MYSQL DATABASE		
A) B) C) CLO12 Assess A) B) C) CLO12 SERVER	 Write PHP scripts to process and display user data from web forms. Interact with MySQL databases to store and retrieve data using SQL queries. Integrate PHP and MySQL to create a fully functional web application. BUILD SELF-LEARNING CAPABILITY. SMENT CRITERIA (TO ACHIEVE THIS OBJECTIVE, THE STUDENT MUST) Independently learn and apply new web development tools and frameworks. Demonstrate self-initiative in solving complex web development challenges. Utilize online resources and documentation effectively. 2: DEVELOP DYNAMIC WEB-BASED APPLICATIONS USING PHP SERVER-SIDE SCRIP 	Lab Exercises, Project Final, ASSESSMENT METHODS Project, Self-Learning Reports		
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A) B) C) CLO11 ASSESS A) B) C) CLO12 SERVER ASSESS A)	 Write PHP scripts to process and display user data from web forms. Interact with MySQL databases to store and retrieve data using SQL queries. Integrate PHP and MySQL to create a fully functional web application. BUILD SELF-LEARNING CAPABILITY. SMENT CRITERIA (TO ACHIEVE THIS OBJECTIVE, THE STUDENT MUST) Independently learn and apply new web development tools and frameworks. Demonstrate self-initiative in solving complex web development challenges. Utilize online resources and documentation effectively. 2: DEVELOP DYNAMIC WEB-BASED APPLICATIONS USING PHP SERVER-SIDE SCRIP SMENT CRITERIA (TO ACHIEVE THIS OBJECTIVE, THE STUDENT MUST) Collaborate with team members to design and implement a full-stack website. 	Lab Exercises, Project Final, ASSESSMENT METHODS Project, Self-Learning Reports TING TECHNIQUES AND MYSQL DATABASE ASSESSMENT METHODS		
A) B) C) CLO12 Assess A) B) C) CLO12 SERVER ASSESS A) B)	 Write PHP scripts to process and display user data from web forms. Interact with MySQL databases to store and retrieve data using SQL queries. Integrate PHP and MySQL to create a fully functional web application. BUILD SELF-LEARNING CAPABILITY. SMENT CRITERIA (TO ACHIEVE THIS OBJECTIVE, THE STUDENT MUST) Independently learn and apply new web development tools and frameworks. Demonstrate self-initiative in solving complex web development challenges. Utilize online resources and documentation effectively. 2: DEVELOP DYNAMIC WEB-BASED APPLICATIONS USING PHP SERVER-SIDE SCRIP SMENT CRITERIA (TO ACHIEVE THIS OBJECTIVE, THE STUDENT MUST) Collaborate with team members to design and implement a full-stack website. Present the website and explain the technical and design decisions. 	Lab Exercises, Project Final, ASSESSMENT METHODS Project, Self-Learning Reports TING TECHNIQUES AND MYSQL DATABASE ASSESSMENT METHODS Project		
A) B) C) CLO11 Assess A) B) C) CLO12 SERVER ASSESS A) B) C)	 Write PHP scripts to process and display user data from web forms. Interact with MySQL databases to store and retrieve data using SQL queries. Integrate PHP and MySQL to create a fully functional web application. BUILD SELF-LEARNING CAPABILITY. SMENT CRITERIA (TO ACHIEVE THIS OBJECTIVE, THE STUDENT MUST) Independently learn and apply new web development tools and frameworks. Demonstrate self-initiative in solving complex web development challenges. Utilize online resources and documentation effectively. 2: DEVELOP DYNAMIC WEB-BASED APPLICATIONS USING PHP SERVER-SIDE SCRIP SMENT CRITERIA (TO ACHIEVE THIS OBJECTIVE, THE STUDENT MUST) Collaborate with team members to design and implement a full-stack website. Present the website and explain the technical and design decisions. Collaborate with team members to design and implement a full-stack website. 	Lab Exercises, Project Final, ASSESSMENT METHODS Project, Self-Learning Reports TING TECHNIQUES AND MYSQL DATABASE ASSESSMENT METHODS Project		
A) B) C) CLO11 ASSESS A) B) C) CLO12 SERVER ASSESS A) B) C)	 Write PHP scripts to process and display user data from web forms. Interact with MySQL databases to store and retrieve data using SQL queries. Integrate PHP and MySQL to create a fully functional web application. BUILD SELF-LEARNING CAPABILITY. SMENT CRITERIA (TO ACHIEVE THIS OBJECTIVE, THE STUDENT MUST) Independently learn and apply new web development tools and frameworks. Demonstrate self-initiative in solving complex web development challenges. Utilize online resources and documentation effectively. 2: DEVELOP DYNAMIC WEB-BASED APPLICATIONS USING PHP SERVER-SIDE SCRIP SMENT CRITERIA (TO ACHIEVE THIS OBJECTIVE, THE STUDENT MUST) Collaborate with team members to design and implement a full-stack website. Present the website and explain the technical and design decisions. Collaborate with team members to design and implement a full-stack website. 	Lab Exercises, Project Final, ASSESSMENT METHODS Project, Self-Learning Reports TING TECHNIQUES AND MYSQL DATABASE ASSESSMENT METHODS Project		
A) B) C) CLO11 Assess A) B) C) CLO12 SERVER ASSESS A) B) C) CLO13	 Write PHP scripts to process and display user data from web forms. Interact with MySQL databases to store and retrieve data using SQL queries. Integrate PHP and MySQL to create a fully functional web application. BUILD SELF-LEARNING CAPABILITY. SMENT CRITERIA (TO ACHIEVE THIS OBJECTIVE, THE STUDENT MUST) Independently learn and apply new web development tools and frameworks. Demonstrate self-initiative in solving complex web development challenges. Utilize online resources and documentation effectively. 2: DEVELOP DYNAMIC WEB-BASED APPLICATIONS USING PHP SERVER-SIDE SCRIP SMENT CRITERIA (TO ACHIEVE THIS OBJECTIVE, THE STUDENT MUST) Collaborate with team members to design and implement a full-stack website. Present the website and explain the technical and design decisions. Collaborate with team members to design and implement a full-stack website. 3: WORK EFFICIENTLY IN TEAMS TO DEVELOP A COMPLETE WEBSITE USING ALL LEA 	Lab Exercises, Project Final, ASSESSMENT METHODS Project, Self-Learning Reports TING TECHNIQUES AND MYSQL DATABASE ASSESSMENT METHODS Project RNED TECHNIQUES AND TOOLS. PRESENT IT		
A) B) C) CLO11 ASSESS A) B) C) CLO12 SERVER ASSESS A) B) C) CLO11 C) CLO11 C) CLO11	 Write PHP scripts to process and display user data from web forms. Interact with MySQL databases to store and retrieve data using SQL queries. Integrate PHP and MySQL to create a fully functional web application. BUILD SELF-LEARNING CAPABILITY. SMENT CRITERIA (TO ACHIEVE THIS OBJECTIVE, THE STUDENT MUST) Independently learn and apply new web development tools and frameworks. Demonstrate self-initiative in solving complex web development challenges. Utilize online resources and documentation effectively. 2: DEVELOP DYNAMIC WEB-BASED APPLICATIONS USING PHP SERVER-SIDE SCRIP R SMENT CRITERIA (TO ACHIEVE THIS OBJECTIVE, THE STUDENT MUST) Collaborate with team members to design and implement a full-stack website. Present the website and explain the technical and design decisions. Collaborate with team members to design and implement a full-stack website. BYORK EFFICIENTLY IN TEAMS TO DEVELOP A COMPLETE WEBSITE USING ALL LEA 	Lab Exercises, Project Final, ASSESSMENT METHODS Project, Self-Learning Reports TING TECHNIQUES AND MYSQL DATABASE ASSESSMENT METHODS Project Project		

A)	Prepare a technical report detailing the project development process.	Project			
B)	Deliver a clear and professional oral presentation of the project.				
C)	Respond to questions and critiques in a group setting.				
CL	CLO14: WORK EFFICIENTLY IN TEAMS TO PRESENT A COMPLETE DEVELOPED WEBSITE ORALLY AND IN WRITING.				
Assess	MENT CRITERIA (TO ACHIEVE THIS OBJECTIVE, THE STUDENT MUST)	ASSESSMENT METHODS			
Assess A)	Collaborate with team members to prepare presentation materials.	Assessment Methods			
Assess A) B)	Collaborate with team members to prepare presentation materials. Demonstrate effective communication skills during the	ASSESSMENT METHODS Project Presentation			
Assess A) B)	Collaborate with team members to prepare presentation materials. Demonstrate effective communication skills during the presentation.	ASSESSMENT METHODS Project Presentation			

V. COURSE CONTENT AND SCHEDULE

WEE K	LECTURES #	TOPICS/ SUBJECTS	READINGS/ CHAPTERS	REMARKS (e.g., ASSESSMENTS)
1	1	Introduction to the Internet , WWW, browsers, servers, protocols and architectures of Web applications.	Chapter 1	Midterm
2	1	Impact of Web development and Design on individuals and society. Ethical issues related to Web development and Design	Handout1	Project
3	2	HTML: HTML document structure, HTML validation, HTML elements such as headers, paragraphs, lists, images, hyperlinks, etc.	Chapter 2	Project, Midterm, Lab Test, Final
4	2	HTML Tables and Forms	Chapter 2	Project, Midterm, Lab Test, Final
5	2	CSS : Overview of CSS, Using Cascading Style Sheet (CSS) Inline style sheets, Embedded style sheets, External style sheets, Style rules	Chapter 3	Project, Midterm, Lab Test, Final
6	2	Bootstrap Framework	Handout 2	Project, Midterm, and Lab Test
7	2	JavaScript, Basics of JavaScript basics; Control structures	Chapter 4	Project, Midterm, Lab Test, Final
8	2	JavaScript Objects, Arrays, Functions and Patterns	Chapter 4	Project, Midterm, Lab Test, Final
9	2	Object Model, processing HTML Forms, Event Handling, Data Validation	Chapter 5	Project, Midterm, Lab Test, Final
10	2	PHP : Introduction to Server-Side Scripting, PHP Language Basics	Chapters 9	Project, Lab Test, Final
11	2	Generating Dynamic Web Pages using PHP language	Chapter 9	Project, final

12	2	MYSQL: Introduction to Databases: MySQL	Chapter 13	Project, final
13	2	Database access through the Web (PHP and MySQL).	Chapter 13	Project, final
14	2	JQuery Framework	Handout 3	Project
15	1	Project Presentations		Project

VI. ADDITIONAL INFORMATION (e.g., RUBRICS, etc.)

ASSESSMENT PLAN:

LAB EXERCISES (5%), PROJECT (15%), LAB TEST (20%), MIDTERM (20%) AND FINAL (40%).

Assessment Component	POSTED DATE	DUE DATE	WEIGHT
LAB EXERCISES	W ЕЕК 2	W EEK 14	5%
PROJECT - PART 1			1 69/
PROJECT PROPOSAL AND GOOGLE SITE WEBSITE	WEEK Z	VVEEK 4	1.3%
Project - Part 2			2 5%
HTML & CSS	WEEK O	WEEK O	2.3%
Midterm	WEEK 8 - TUESDAY		20%
PROJECT - PART 3		WEEK 13	A 9/
JAVASCRIPT	WEEK 9	VVEEK 12	470
Project - Part 4	MEEK 12	WEEK 14	/0/
PHP/MySQL	VVEEK 12	VVEEK 14	470
LAB TEST	WEEK 14 – TUESDAY		20%
Project – Part 5	Mirry 4F		2%
PRESENTATION	VVEE	T 13	3/0
Final	As Per A&R	TIMETABLE	40%

Department's Late Submission Policy:

(a) 1-24 hours: 25% of the mark will be deducted.

(b) > 24 hours: Not accepted.

Department's Policy for Dealing with Cheating:

It is essential that each student solves all programming assignments, lab tests and exams individually unless instructed otherwise, e.g., for group projects. Copying, plagiarism, collusion, switching, and falsification are violations of the university academic regulations. Students involved in such acts will be severely penalized. The department has adopted a firm policy on this issue. A zero mark will be assigned the first time a student is caught involved in copying and his/her name will be added to a watch list maintained by the Head of Department. Further repeated involvements in copying will cause the student to get an F grade in that course. This is in line with the university academic regulations.

VII. STUDENTS RESPONSIBILITIES

It is the student's responsibility to know and comply with all University Academic Regulations relevant to participation in this course. These regulations specifically include attendance requirements and student academic code of conduct.

Academic Integrity	The University expects the students to approach their academic endeavors with the highest academic integrity. Please refer to the Undergraduate Academic Regulations .
ADD AND DROP	Students who wish to drop or add the course should review the Undergraduate Academic Regulations.
Attendance	Sultan Qaboos University has a clear requirement for students to attend courses, detailed in the Undergraduate Academic Regulations .
Assessment and Grading	To ensure the provision of a sound and fair assessment and grading, please review the Undergraduate Academic Regulations .
GRADE APPEAL	Students who wish to appeal their grades should review the Undergraduate Academic Regulations .
CLASSROOM POLICIES	Students are expected to dress professionally during class time as required by the University. Use of phones or any other electronic devices in the classroom during class time is strictly prohibited. Unauthorized use may lead to faculty member confiscation of the device for the remainder of the class. Behavior that persistently or grossly interferes with classroom activities is considered disruptive behavior and may be subject to disciplinary action. A student responsible for disruptive behavior may be required to leave the class.
Late and Make-Up Work	Students are required to meet the course objectives by submitting coursework no later than the assigned due date. Students may be allowed to submit late work if approved by the course coordinator. Assignments submitted after the due date may be penalized.
MISSED EVALUATIONS	All quizzes, tests, clinical evaluations, and exams must be completed by the date they are assigned. If a quiz, test, or exam is missed due to a documented

	emergency situation (e.g., medical emergency, death in the immediate family), it is the student's responsibility to contact the instructor.
OTHER	

Course Outline Appendix

1. PROGRAM LEARNING OUTCOMES / STUDENT OUTCOMES

- 1. Analyze a complex computing problem and to apply principles of computing and other relevant disciplines to identify solutions.
- 2. Design, implement, and evaluate a computing-based solution to meet a given set of computing requirements in the context of the program's discipline.
- 3. Communicate effectively in a variety of professional contexts.
- 4. Recognize professional responsibilities and make informed judgments in computing practice based on legal and ethical principles.
- 5. Function effectively as a member or leader of a team engaged in activities appropriate to the program's discipline.
- 6. Apply computer science theory and software development fundamentals to produce computing-based solutions.

2. SQU Graduate Attributes and Competencies for Undergraduate Studies

GRADUATE ATTRIBUTES	GRADUATE COMPETENCIES FOR UNDERGRADUATE STUDIES								
A. Cognitive Capabilities: The	1. Demonstrates familiarity and works with advanced								
graduate has sufficient general and	specialized knowledge in the area of specialization.								
specialized theoretical knowledge	2. Demonstrates a general understanding of the relationship of								
that enables him/her to deal well	advanced specialized knowledge with knowledge in other								
with his/her specialty and other	relevant professional fields and aspects.								
related fields.	3. Demonstrates a comprehensive understanding of the								
	theories, principles, and methods used in his/her specialty,								
	and how to create and apply new knowledge.								
	4. Demonstrates general knowledge of the legal environment								

GRADUATE ATTRIBUTES	GRADUATE COMPETENCIES FOR UNDERGRADUATE STUDIES					
	and necessary relevant regulatory frameworks.					
	5. Shows awareness of contemporary literature and research.					
B. Skill and Professional	1. Applies concepts, theories, and investigative methods to					
Capability: The graduate has	synthesize and interpret information to evaluate conclusions.					
sufficient skill and practical	2. Applies appropriate research methods and techniques and					
experience that enables him/her to	employs digital knowledge					
perform all tasks related to the	3. Evaluates and critiques information independently					
specialization and other related	4. Uses cognitive and technical skills to analyze complex issues					
fields.	and develop appropriate solutions.					
	5. Initiates new ideas or processes in the professional,					
	educational or research context.					
C. Effective Communication: The	1. Explains, presents, and adapts information to suit the					
graduate has the ability to	recipients.					
communicate effectively with others	2. Employs appropriate information and communication					
to achieve the desired results	technology to collect and analyze information.					
D. Autonomy and Leadership:	1. Performs advanced professional activities independently.					
The graduate has the ability to lead,	2. Demonstrates leadership skills.					
make decisions and take	3. Takes professional responsibility.					
responsibility for decisions.	4. Assumes full accountability for the tasks and their output.					
E. Responsibility and	1. Manages time and other resources assigned to accomplishing					
Commitment: The graduate	tasks effectively and responsibly.					
appreciates the importance of	2. Demonstrates effective practices when working in teams.					
available resources and deals with	3. Demonstrates advanced levels of understanding of values					
them effectively and is committed to	and ethics relevant to the specialization, profession and local					
the ethics of the profession and	and international society and promotes them among others.					
society.	4. Works within the professional, institutional, and					
	specialization guiding frameworks and strategic plans.					
	5. Interacts with community affairs positively and preserves					
	national identity.					

GRADUATE ATTRIBUTES		GRADUATE COMPETENCIES FOR UNDERGRADUATE STUDIES								
F. Development and Innovation:		Demonstrates the ability to independently manage learning								ing
The graduate has a passion for	tasks, with an awareness of how to develop and a						nd ap	ply n	ew	
development and- innovation in the		knowledg	ge.							
field of specialization.	2. U	Utilizes	specializ	zed	knowledg	e ar	nd	skil	ls	for
		entrepreneurship.								
	3. U	Utilizes	creative a	and	innovative	skills	in	the t	field	of
		specializ	ation.							

3. OQF Characteristics

- 1. Knowledge
- 2. Skills
- **3.** Communication, Numeracy, and Information and Communication Technology Skills.
- **4.** Autonomy and Responsibility
- 5. Employability and Values
- 6. Learning to learn