



Course Descriptor

INTE 110 Web Application Development

Proposed Academic Year	2021/ 2022	Last Reviewed Academic Year	2020/2021
Course Code	INTE 110	Course Title	Web Application Development
Credit hours	3	Level of study	Undergraduate – year1
College / Centre	COBA	Department	MIFS
Co-requisites	None	Pre-requisites	INTE105

1. COURSE OUTLINE

The course intends to provide the students with concepts, methods and techniques related to website design and development. The course explores the processes involved in designing and developing web applications. The course involves using HTML, CSS and JSON.

2. AIMS

[This course is designed to familiarize students with concepts, issues to apply techniques related to website design and development. The course will enable the students to understand the concepts of web design, HTML, Cascading Style Sheets (CSS), and JSON. Students will be able to apply the gained skills and knowledge to develop basic websites.

LEARNING OUTCOMES, TEACHING, LEARNING, ASSESSMENT METHODS, and Graduate Attributes Mapping

Learning Outcomes (Definitive)	Teaching and Learning methods (Indicative)	Assessment (Indicative)	Graduate Attributes Mapping
Upon successful completion of this course, students will be able to: 1. Demonstrate an appropriate description of Web applications and related development processes	Lectures, online videos, tutorials and seminars, online group discussions using LMS, independent readings, individual or group work, presentation.	Exams, Quizzes, Class Presentation, Assignment, Case study Report. Class work Computer based class work	Knowledge of a discipline.
2. Describe and explain web pages structures and layout, and web hosting services	Lectures, online videos, tutorials and seminars, online group discussions using LMS, independent readings, individual or group work, presentation.	Exams, Quizzes, Class Presentation, Assignment, Case study Report. Class work Computer based class work	Knowledge of a discipline.
3. Demonstrate and apply an appropriate knowledge and skills of HTML, CSS, and JSON.	Lectures, online videos, tutorials and seminars, online group discussions using	Exams, Quizzes, Class Presentation, Assignment, Case study Report. Class work	Knowledge of a discipline.



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	LMS, independent readings, individual or group work, presentation.	Computer based class work	
4. present required information in integrated web application	Lectures, online videos, tutorials and seminars, online group discussions using LMS, independent readings, individual or group work, presentation.	Exams, Quizzes, Class Presentation, Assignment, Case study Report. Class work Computer based class work	-Knowledge of a discipline. -Innovative spirit. -Commitment to national development and Omani ethical values.

3. ASSESSMENT WEIGHTING

Assessment	Percentage of final mark (%)
Midterm exam	30
assignment	30
Final exam	30
participation	10
TOTAL	100%

4. ACHIEVING A PASS

Students will achieve 3 credit hours for this course by achieving a minimum overall score of 50%
NB *Ensure that ALL learning outcomes are considered.

5. COURSE CONTENT (Indicative)

LECTURE TOPIC	TIME (HOURS)
Introduction to web applications	4
Website structure and web hosting	6
Introduction to HTML	6
HTML Basics	6
HTML forms	5
HTML page layout	6
website with style using CSS	6
Introduction to JSON	6



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TOTAL HOURS	45
Plus, RECOMMENDED INDEPENDENT STUDY HOURS	
TOTAL COURSE HOURS	

6. RECOMMENDED READING

Core text/s:

Fundamental Concepts for Web Development: HTML5, CSS3, JavaScript and much more! For complete beginners! Paperback – October 25, 2019
by Roxane Anquetil

Duckett, J., 2014. *Web design with HTML, CSS, JavaScript and jQuery set*. Wiley Publishing.

- Library + online resources:**
 ASU library
 ASU online resources (ProQuest and ebrary)
 Sultan Qaboos University Library (by agreement)

Open Educational Resources:

http://oasis.col.org/bitstream/handle/11599/2841/2017_Mahmood-Ahmed-Ahmad_WADC-1_AIOU_Intro-to-Web-Development.pdf?sequence=1&isAllowed=y