



COURSE SYLLABUS

I- Course Information :

Title of the course	Advanced Website Design & Development
Department	Data Science
Specialization	BS in Data Science
Academic Year	2022-2023
Semester Duration	16 weeks
Credit Number	
Number of Hours	40 hours
Course Instructor	Dr. Mohamad NAGI
Email	mnagi80@gmail.com
Office Hours	

II- Course Description

-- Learning Students to identify website language and create advanced & dynamic websites using different language, according with large knowledge in world wide web

III-Course Objectives

This course aims to provide students with/allows students to:

- ❖ --Achieve a wide knowledge in World wide web and creating websites
 - --Create Dynamic Websites Using PHP
 - --Learn how to use PHP Functions
 - --Learn how to use HTML Forms with PHP
 - --Create MySQL Database
 - --How to Use PHPMyAdmin
 - --Link Between PHP and MySQL
- ❖ --Achieve a Wide knowledge in Angular JS Framework
 - --Two way data binding
 - --MVC Framework
 - --JQuery
 - --Advanced AngularJS Concept



In order to achieve the objectives of the course, the following requirements must be met by the student:

- Scientific activities
- Academic regulations
- Academic work and perseverance
- 70% attendance and participation

IV- Course Outline and Calendar

Learning Objective	Session(s)	Learning Content	Pedagogical Strategy & Tools
Getting Started		The World Wide Web	
php		PHP introduction Variables, constants, Datatypes	
		PHP Functions	
		HTML Forms with PHP	
Midterm			
MYSQL		MYSQL Introduction	
		Datatypes, constraints	
		PHP With MYSQL	
Angular JS		Angular JS Framework	
Final Exam			

P.S.: The course outline above may be modified during the semester.

V- Teaching approach & methods

Readings

We will read approximately one or two hours of web design theory topics and production strategies each week. The readings will cover basic aspects of design, usability, user experience, accessibility, and/or the web design and development project lifecycle.

Presentations and Homework

Most weeks there will be an instructor presentation related to the readings, lesson plan, and/or homework.

Quizzes

Students will be required to complete five “no-pressure quizzes.” These quizzes will consist of approximately five to ten questions and/or performance-based exercises based on the readings, homework, and/or presentations.

Assignments



There will be weekly assignments for this course. Students may be called upon to present homework in class for instructor and peer review. Students will be presented with any assignment-specific files and prototypes for mark-up and code review.

Project TBA

VI- Assessment Methods

The success of the student in this course is based on:

- 1- His/her active participation in class.
- 2- His/her scientific contribution through research done outside the classroom.
- 3- His/her reading notes, research reports and practical applications as requested by course instructor.

The assessment of the student is carried out according to the following grid:

Assessment Type	Final Grade Weighting (%)	Dates/Deadlines
Participation (projects, research paper, oral presentation, etc.)	20%	
Midterm Exam	20%	
Final exam	60%	
Total	100%	

VII- Specific Course Requirements

1- Regulations concerning deadlines for written and applied work submissions

The teacher has the right to:

- Refuse to receive written applied work outside the deadlines.
- Give the student additional time after omitting up to 25% of the mark awarded to the concerned activity.

2- Academic measures in case of plagiarism

The student shall be liable to the following penalties in case of any attempt of illicit scientific citation:

- Cancellation of the student's contribution, activity or scientific article and reduction of the final mark.
- If the same offense is reported in other courses, cancellation of the final exam and failure in the relevant course(s).



VIII- Reference Book

<https://www.w3schools.com/angular/>

The Joy of PHP

IX- Bibliography & Additional Sources

- <https://angularjs.org/>
- <http://campus.codeschool.com/courses/shaping-up-with-angular-js/contents>
- <http://www.toptal.com/angular-js/a-step-by-step-guide-to-your-first-angularjs-app>
- <https://github.com/raonibr/f1feeder-part1>