

University of Computer Studies, Yangon
D.C.Sc. (First Semester)
Paper III (Web Programming)
COURSE DESCRIPTION

Course Code Number	ITSM-111	Course Title	Web Programming
Semester hours	3	Course Coordinator	

Course Description

Paper III- Web Programming
Two hours practical
Pre-requisites: none

HTML and **CSS** go hand in hand for developing flexible, attractively and user friendly websites. HTML (Hyper Text Markup Language) is used to show content on the page whereas CSS is used for presenting the page. **JavaScript** is a scripting language that is commonly used to create and control dynamic Website content. **jQuery** provides web developers and easy way to create interactions with web pages.

This course provides the fundamental knowledge necessary to design and develop dynamic Web pages using HTML, CSS, JavaScript and to be able to grasp JavaScript libraries and frameworks such as jQuery.

References: eBook:

1. Web Development & Design Foundations with HTML 5 (Terry Felke-Morris)

Course Outcomes

The Learning of this course is designed to fulfill the following:

- Design and develop a Web page using HTML and CSS.
- Link pages so that they create a Web site.
- Design and develop a Web site using text, images, links, lists, and tables for navigation and layout.
- Style the page using CSS, internal style sheets, and external style sheets.
- Know how to use graphics in Web design.
- Understand the JavaScript as a core language used for the web and obtain working knowledge of JavaScript various built-in objects, properties and methods.
- Dynamically alter element content, format and characteristics using CSS - Cascading Style Sheets.

Major Topics Covered in the Course

1. Introduction to HTML and CSS
2. Create Web Pages with HTML
3. Design Web Pages with CSS
4. Embedding JavaScript and JQuery in Creation of Web Page

Grading Procedures:

Your performance in this class will be evaluated using your scores for attendance, quizzes, assessments, assignments and lab examination.

Assessment Plan for the Course

Attendance	-	10%
Assessments	-	10%
Quiz and Assignments	-	60%
Lab examination or/and Project	-	20%

Grading System

UCSY follows a letter grade system comprising of grades A, A-, B+, B, B-, C+, C, C-, D and F. All marks obtained by students during the semester will be used in the grading process. A grade of "D" is considered a passing grade for undergraduate courses. For undergraduate students, a grade of "C" or better is required in this course because it is a prerequisite for other courses in the program. **The student who gets the grade point less than 2 must do Re-Exam.**

The grading scale for this course is:

Marks obtained	Letter Grade	Grade Point
>=90	A	4
85 – 89	A-	3.75
80 – 84	B+	3.25
75 – 79	B	3
70 – 74	B-	2.75
65 – 69	C+	2.25
60 – 64	C	2
55 – 59	C-	1.75
50 – 54	D	1
0 – 49	F	0

Fail Grade & Re-Exam – C-, D, F (Grade point < 2)

Class Attendance and Participation Policy:

- **Attendance**

Class attendance is **mandatory**. Most of the material you will learn will be covered in the lectures, so it is important that you not miss any of them. You are expected to show up **on time** for class, and **stay for the whole lecture**. Students are expected to attend each class, to complete any required preparatory work (including assigned reading) and to participate actively in lectures, discussions and exercises.

- Mobile phones **must** be silenced and put away for the entire lecture unless use is specified by the instructor. You may not make or receive calls on your cell phone, or send or receive text messages during lectures.

- You are responsible for all material sent as email. Ignorance of such material is no excuse. You are responsible for all materials presented in the lectures.

- Your conduct in class should be conducive towards a positive learning environment for your class mates as well as yourself.

- **Assessment, Quiz, Assignments, Lab examination and Project**

Your performance in this class will be evaluated using your scores for attendance, assessment, quiz, assignments, lab examination and project. There are no planned extra credit projects or assignments to improve your grade.

We will assess your performance for every lecture in class room.

There will be quizzes and assignments by related topics. Please do all your quizzes and assignments neatly. Credit will be given according to completeness of work for quizzes and assignment.

Any quiz and assignment is simply missed, regardless of the reason why (e.g. illness, work, traffic, car trouble, computer problems, death, etc.), and **earns a grade of zero**. You are strongly encouraged to complete all quizzes and assignments so that you can check that you understand the material and can throw out bad grades, or grades for which you had to miss an assignment for a valid reason. **Late submissions will not be accepted for any graded activity for any reason.**

- **Lab examination or/and Project**

Lab examination or/and project will be held after all chapters finished and the coordinator will announce the date. Every student must be submitted a project and participate in project presentation at the end of semester.

- **There are no extra credit opportunities.**

Students may not do additional work nor resubmit any graded activity to raise a final grade.

For this course, the following additional requirements are specified:

All work submitted for a grade must have been prepared by the individual student. Students are expressly prohibited from sharing any work that has been or will be submitted for a grade, in progress or completed, for this course in any manner with a person other than the instructor and teaching assistant(s) assigned to this course). Specifically, students may not do the following, including but not limited to:

- Give to, show, or receive from another person (intentionally, or accidentally because the work was not protected) a partial, completed, or graded solution.
- Ask another person about the completion or correctness of an assignment.
- Post questions or a partial, completed, or graded solution electronically (e.g. a Web site).
- All work must be newly created by the individual student for this course. Any usage of work developed for another course, or for this course in a prior semester, is strictly prohibited without prior approval from the instructor.
- Posting or sharing course content (e.g. instructor provided lecture notes, assignment directions, assignment questions, or anything not created solely by the student), using any non-electronic or electronic medium (e.g. web site, FTP site, any location where it is accessible to someone other than the individual student, instructor and/or teaching assistant(s)) constitutes copyright infringement and is strictly prohibited without prior approval from the instructor.

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No.	Content	Page No.	Period	Detail Lecture Plan
1.	Introduction to HTML and CSS			
2.	Configuring Color and Text with CSS and Visual Elements and Graphics			
3.	Web Design and Page Layout			
4	More Links, Layout, and Mobile			
5	Table and Form in Web Page			
6	Introduction to JavaScript and JQuery			
7	Creating of Web Pages using HTML, CSS and JavaScript and JQuery			