

UNIVERSITY COURSE SYLLABUS

Course Title: Web Design Essentials (HTML + CSS + JavaScript)

Contact Hours: 30 (Lecture 18 + Lab 12); Delivery: 10 weeks, 3 hours per week (2 lecture + 1 lab); Prerequisites: None

Learning Outcomes: CLO1 explain core web concepts, standards, and accessibility principles; CLO2 design and develop responsive web pages

Reference Texts: T1 Duckett HTML & CSS 2011; T2 Duckett JavaScript & JQuery 2014; R1 W3C HTML5 Specification

Assessment Scheme: Assignment 1 HTML structure 10 percent CLO2; Assignment 2 CSS responsive design 10 percent CLO2; Assignment 3 JavaScript 10 percent CLO2; Final Project 30 percent CLO2

Unit Breakdown (hours): Unit 1 Foundations and Accessibility 1 to 4; Unit 2 HTML5 Authoring 5 to 10; Unit 3 CSS3 Styling 11 to 14; Unit 4 JavaScript 15 to 18; Unit 5 Responsive Design 19 to 22; Unit 6 Capstone Project 23 to 26

Week Plan Part 1: Week 1 introduction, web architecture, accessibility; Week 2 HTML structure and semantics; Week 3 CSS styling and layout

Week Plan Part 2: Week 4 CSS styling and layout; Week 5 JavaScript fundamentals; Week 6 responsive strategies and micro interactions with mobile first landing page

Capstone Project: Multi page responsive site demonstrating semantic HTML, mobile first CSS, and JavaScript

Self Study Guidance: Pre readings and tutorials 1.5 hours per week; Lab practice follow up 1 hour per week

CLO to Assessment Mapping: CLO1 Midterm test; CLO2 Assignment 1, Capstone, Participation; CLO3 Final Project