Responsive Web Design and Development
AAPP012-4-2 (VE 1)

Introduction and Module Overview

Lecturer Information

- Lecturer Name: Jeffery Sijore

- Email: Jeffery.sijore@apu.edu.my

- Consultation Hours: Refer to iConsult

Pre-Requisites For This Module

- None

Outcomes Based Education

- OBE is education based on producing particular educational outcomes that:
  - ➢ Focus on what students can actually do after they are taught.
  - ➢ Expect all learners / students to successfully achieve particular (sometimes minimum) level of knowledge and abilities.

- It's NOT what We want to teach.
- It's WHAT You should learn.

Aims of this Module

- This course aims at enabling students to develop their skills in the design and production of web interfaces adapting to stationary as well as handheld devices. The course covers design principles and current web technologies to create responsive websites.

Module Learning Outcomes

CLO	Learning Outcomes	Assessment
1	Explain the Internet infrastructure and web page development (A3, PLO8)	Group Project (Documentation)
2	Develop a responsive website using client-side scripting applying HCI principles for various user clients. (C3,PLO3)	Group Project (Implementation)

Mapping of CLO with PLO

	PLO 1	PLO 2	PLO 3	PLO 4	PLO 5	PLO 6	PLO 7	PLO 8	PLO 9
CLO1								✓	
CLO2			✓						

The learning domains are:
PLO3: Practical Skills
PLO8: Personal Skills

Student Learning Time

- Module Credit Value: 4
- Total Learning Hours: 160 per semester

Lecture	28 hours
Tutorial	28 hours
Independent Learning Time	98 hours
Assessment	6 hours
Total Learning Hours	160 hours per semester

Module Content Outline

Week	Topic
0	Module Introduction
1	Introduction to Internet & WWW
2	Client-Side Scripting
3	HyperText Markup Language
4	Cascading Style Sheets
5	JavaScript
6	Web Design and Development Process
7	Responsive Web Design (Web & Mobile Platform)
8	Server-Side Scripting
9	Mobile App Development
10	Internet Security

Assessment Summary

Form of Assessment	Assessment Methods	Hand Out Date	Hand In Date	%
Project Report	Group Project (Report)	Week 2	Week 5	50%
Final Project	Group Project (Website Files)	Week 2	Week 13	50%

Expectations

1. Abide by ALL rules and regulations of APU.

2. Proper attire.

3. No speaking of dialects.

4. Attendance is compulsory. Valid Medical Certs must be supported in any absence from class.

5. Three cases of Late will be equal to 1 absence.

6. Use proper academic references – APA Referencing only.

7. Academic Dishonesty / Plagiarism is a serious offence. Any suspicions will be referred to the University's Academic Dishonesty Board.

8. Formal assessments must be submitted on time in the specified format given. Failure to meet deadlines will be treated as non-submission and no marks will be awarded. Incomplete submissions will be subjected to penalty of mark deductions or forfeit.

Other Expectations

- State your expectation of what students need to do or deliver in class, as well as what they need to do out-of-class.

- If group projects are involved, clearly state what is to be expected from each individual (and not be dependent on the group leader)

Achievement Requirements: Diploma Programmes

Marks	Alphabetical Grade	Grading Point	Classification
80-100	A+	4.0	Distinction
75-79	A	3.7	
70-74	B+	3.3	Credit
65-69	B	3.0	
60-64	C+	2.7	Pass
55-59	C	2.3	
50-54	C-	2.0	
40-49	D	1.7	Fail (marginal)
30-39	F+	1.3	Fail
20-29	F	1.0	Fail
0-19	F-	0	Fail

Reference Materials

Course Materials available in Moodle

- Module handbook

- Module descriptor

- Lecture slides

- Tutorial/Lab materials

Essential and Further Readings

- Robbins, N. (2018). Learning Web Design: A Beginner's Guide to HTML, CSS, JavaScript, and Web Graphics. 5th ed. O'Reilly Media, Inc. ISBN: 978-491-96020-2

- Ruvalcaba, Z. (2022). Murach's HTML and CSS. 5th ed. Mike Murach & Associates, Inc. ISBN-978-1-943872-86-2

- Hanumanth L. (2021). HTML CSS and JavaScript. 1st ed. Amazon Digital Services LLC - KDP Print US. ISBN-13: 9798488815360

- McFedries, P. (2018). Web Coding & Development All-in-One For Dummies. 1st ed. Hoboken, NJ : John Wiley & Sons, Inc. ISBN-13: 978-1119473923

- Nixon, R. (2018). Learning PHP, MySQL & JavaScript: With jQuery, CSS & HTML5. 5th ed. O'Reilly Media, Inc. ISBN-13: 978-1491978917

*Further readings will be assigned from time to time.