

## **Overview page**

Introduction to web technologies

Level: Beginners

Contact time: One evening a week for 10 weeks.

Most of us make use of websites in our daily lives. A lot of our activities such as shopping, research, and leisure activities involve visiting websites.

This module teaches the basics of website design and development. You will gain an understanding of how to develop a static website using HTML, and how to style it using CSS. You will also learn how to enhance your website using JavaScript.

### **PDF document information**

Contact hours: 1 to 2 hours per week for tutorials. Learners will also be required to watch lecture recording and carry out computer-based activities on their own PC.

Synopsis: Most of us make use of websites in our daily lives. A lot of our activities such as shopping, research, and leisure activities involve visiting websites. This module teaches the basics of website design and development. You will gain an understanding of how to develop a static website using HTML, and how to style it using CSS. You will also learn how to enhance your website using JavaScript. Modern topics covered will include responsive website design, resource minification, search engine optimisation, and visitor analytics.

Notes: This module is aimed at professional learners who are looking to learn the basics of creating a website.

Assessment: Learners will be assessed on their understanding through a website development assignment, and an open book test.

Aim: This module aims to introduce learners to website development and client-side programming.

Learning outcomes: Appreciate standards involved in web development; Demonstrate use of scripting languages for building websites; Explain key concepts underpinning building websites and web applications; Use appropriate tools and techniques to test and debug websites.

Syllabus: Principles of the structures web; HTML5 marking; CSS selectors and layout techniques; Document Object Model; JavaScript; Data-interchange technologies; Contemporary techniques such as responsive design; Basics of search engine optimisation and visitor analytics.