



DBLN CPSI 2293

This course is being offered at Griffith College, CAPA's academic partner in Dublin. The Irish academic system differs from the US, particularly with grading. Griffith College professors expect students to undertake a good deal of independent study to achieve a high mark in their classes. For additional information about this class, please contact the Boston Program Advising Team at 1-800-793-0334.

Client-Side Web Development

Continuous Assessment: 70%

Exam: 30%

Intended Module Learning Outcomes

On successful completion of this module learners will be able to:

1. Demonstrate an advanced understanding of how the web works.
2. Demonstrate an advanced knowledge of client-side web standards technologies (HTML, CSS, JavaScript)
3. Understand and demonstrate the importance of research and pre-planning in designing and building web applications
4. Design and build standards-compliant web sites with HTML, CSS and JavaScript.
5. Understand and demonstrate the importance of usability and user-centered design in developing web applications.

Module Objectives

This module introduces the learner to the fundamentals behind client-side web development, both for desktop and mobile. They are introduced to the core concepts behind how the web works (The Internet, HTTP, Markup Languages etc.) before exploring the various Standards of client-side web development (HTML, CSS, JavaScript). In addition to this, learners learn about web design principles and the importance of user research and planning.

Learners are given practical experience of developing web sites using these technologies, as well the processes behind researching and planning user-centered web applications.

Module Curriculum

Web Architecture

- The Internet
- TCP-IP
- HTTP
- Mark-up Languages
- Server-Client Relationship
- Security

Web Application Development

- Web Standards
- HTML5
- CSS
- Client-Side Scripting
- JavaScript
- Mobile Applications

- Responsive Web Design

UI Design

- Usability
- Interface Design
- User Experience
- User-Centred Design
- Research
- User Analysis
- Wire-framing
- Story-boarding
- Design Principles