

Advanced Web Design and Development – CCT213

Awarding Body:	CCT Certification
Schedule:	1 evening per week, 6.00pm – 9.00pm
Fees:	€580
Duration:	10 weeks – 30 hours
Next Commencement Date:	August / February
Learning Mode:	Part time

Programme Overview and Audience

This course was developed as a follow on from the CCT Introduction to Web Design & Development. It explores a wide range of technologies and current best practices used in order to build and maintain database driven websites. A sound knowledge of HTML and Macromedia Dreamweaver is required. Some knowledge of Fireworks is also assumed. On completion of the course attendees will have a thorough understanding of working with *Data-Driven sites* and feel comfortable creating a range different data driven sites.

Programme Aims and Objectives

Students will learn to build and deploy dynamic web applications that interact with a powerful database. This course will teach participants how to program both client and server-side scripting and integrate with Web Server and Database Technologies when constructing websites. It provides the techniques used in implementing and supporting web server services. This course requires strong commitment and involves extensive project work on behalf of each student. On completion of the course students will be competent in building secure database driven websites, incorporating search engines and shopping carts, using a Microsoft Web Server and a variety of different technologies.

Programme Content

- Web Server technology
- Client and Server-side programming
- Macromedia Dreamweaver Advanced: Forms, CSS
- Design criteria from the aesthetic and marketing perspective
- Database design and structure using Access and SQL
- Using PHP (Hypertext Pre-Processor) server-side scripting
- Scripting Languages
- Content Management Systems
- Search Engine Optimisation

Assessment

To be awarded the Advanced Diploma in Web Development certificate, a student will be required to complete course projects and reports, including creating a website project.

Career Progression Opportunities

This programme is a good basis for those professionals who want to enter and pursue a career in Web Design and Development. It also prepares students for further study at Bachelors level and Masters level within this area of expertise.