



### **DBLN CPSI 3393**

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.

#### **Server-Side Web Development**

Continuous Assessment: 100%

#### **Intended Module Learning Outcomes**

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

1. understand how server-side dynamic web pages are delivered to end-users.
2. design and build dynamic database-backed web sites.
3. build a state-based user experience on top of stateless protocols
4. recognize security issues in web development and suggest and implement best practice solutions.

#### **Module Objectives**

This module introduces the learner to the fundamentals behind server-side web development. They are introduced to the core concepts behind dynamic, database driven web development, through server-side scripting and database integration and learn how to design and build web applications that deliver database information through server-side HTML preprocessing.

Learners are given practical experience of developing dynamic web sites using these technologies.

## **Module Curriculum**

### **Web Application Development**

- Web architecture
- Client-Server Relationships
- Three-tier applications
- Web Applications
- GET/POST
- Security

### **Server-side Programming**

- Web scripting (PHP)
- processing form data
- validation
- state management (cookies/sessions)
- Security

### **Integrating Databases**

- Database connectivity
- Security