



### **Course Description**

#### **GRA2727 | Dynamic Web Design | 4.00 credits**

The student will design and create dynamic web pages. This course presents PHP programming language to enable students to reduce website maintenance, change content depending on date and time, collect user input from an online form, and link to a MySQL database to display product information. Studio projects culminate in portfolio-ready artifacts. Prerequisites: GRA1754 and GRA2156C.

### **Course Competencies:**

**Competency 1:** The student will streamline website maintenance during guided lessons and assignments by:  
Using includes to contain and edit elements that are common to multiple pages

**Competency 2:** The student will change web content automatically depending on time and date during guided lessons and assignments by:

1. Creating up-to-date copyright notices on a dynamic web page
2. Creating an image of the month on a dynamic web page
3. Creating a dynamic web page that displays seasonal content

**Competency 3:** The student will create an online order form by:

1. Designing a dynamic web page that collects visitors' input
2. Creating a dynamic web page that displays content from a database

### **Learning Outcomes:**

- Communicate effectively using listening, speaking, reading, and writing skills
- Solve problems using critical and creative thinking and scientific reasoning
- Use computer and emerging technologies effectively
- Demonstrate an appreciation for aesthetics and creative activities