

# **COURSE OUTLINE**

## **MASS-281 Web Design and Production II 3 Semester Hours**

### **HOWARD COMMUNITY COLLEGE**

#### **Description**

This course is a continuation of Web Design and Production I. Taught from a design perspective, students will explore basic multimedia production in Adobe Flash and include multimedia components, as well as advanced behaviors and Javascripts, into websites using Adobe Dreamweaver. Students will also examine CSS layout, template-driven websites and dynamic content using PHP. Prerequisite: ARTT/MASS-280 (4 hours weekly)  
NOTE: Also listed as ARTT-281.

#### **Overall Course Objectives**

Upon completion of this course, the student will be able to:

1. Evaluate and apply web design conventions to create advanced interface designs
2. Create and utilize Flash media in interface designs
3. Use Adobe Dreamweaver to produce webpages using CSS layout techniques
4. Utilize advanced JavaScripts and behaviors in Adobe Dreamweaver
5. Create dynamic webpages using PHP
6. Understand database connectivity in website functions

#### **Major Topics**

- I. Advanced design techniques
  - a. Typography
  - b. Imagery
  - c. Animation
  - d. Video
- II. Adobe Flash
  - a. Drawing
  - b. Keyframe animation
  - c. Publishing for web deployment
- III. Producing web pages in CSS using Adobe Dreamweaver
- IV. PHP Basics
  - a. Online forms
  - b. Working with variables
  - c. Cookies
- V. Database Connectivity
  - a. Database and server types
  - b. Retrieving and using data

#### **Course Requirements**

Grading/Exams: Each student will complete a portfolio of four complete websites, the last of which will be completely designed and built by the student, and accompanied by a detailed sitemap of navigation architecture.

**Other Course Information**

This course is a Humanities and an Arts and Science elective.