

# Bemidji State University

## CS 3270: Advanced Web Programming

### A. COURSE DESCRIPTION

Credits: 3

Lecture Hours/Week: \*.\*

Lab Hours/Week: \*.\*

OJT Hours/Week: \*.\*

Prerequisites: None

Corequisites: None

MnTC Goals: None

This course builds on topics from CS 2270. Students learn server-side scripting, database connectivity, and dynamic web-page updating. Web development frameworks are also studied. Prerequisite: CS 2270.

**B. COURSE EFFECTIVE DATES:** 06/01/2009 - Present

### C. OUTLINE OF MAJOR CONTENT AREAS

1. Database Connectivity
2. Dynamic Web-Page Updating
3. PHP Variables, Statements, Operators, Control Structures, Input, Output, Functions, Arrays, Pattern Matching, & Form Handling.
4. Server-side Scripting
5. Web Development Framework

### D. LEARNING OUTCOMES (General)

1. have basic knowledge of object-orientated programming in PHP.
2. build dynamic web pages.
3. become an effective user of current server-side technologies.
4. learn how to create websites that access and update databases.
5. be able to develop GUI applications and command line scripting.
6. be able to maintain and organize their web content and data using procedures and methods.

### E. Minnesota Transfer Curriculum Goal Area(s) and Competencies

None

### F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

### G. SPECIAL INFORMATION

None noted