COMMON COURSE OUTLINE: Course discipline/number/title: COMP 1731: Programming for the Internet

A. CATALOG DESCRIPTION
1. Credits: 3
2. Hours/Week: 3
3. Prerequisites (Course discipline/number): MATH 1090 or higher, College level reading
4. Co-requisites (Course discipline/number): None
5. MnTC Goals (if any): NA

This course introduces developing web applications. Students will explore HTML and CSS, forms, error checking and validation, server-side scripting, and database interaction. Students will construct and evaluate multiple web applications.

B. DATE LAST REVISED (Month, year): April, 2015

C. OUTLINE OF MAJOR CONTENT AREAS:
1. Fundamentals of the web
2. Server-side generated HTML, CSS, and PHP
3. HTML Form processing, error checking, and validation
4. Database use and scripting

D. LEARNING OUTCOMES (GENERAL): The student will be able to:
1. Develop web applications.
2. Describe the principle of web scripting and database interaction.
3. Build and utilize database tables.
4. Perform server-side error checking and validation for graceful failure.

E. LEARNING OUTCOMES (MNTC): NA

F. METHODS FOR EVALUATION OF STUDENT LEARNING:
1. Exams and Quizzes
2. Presentations
3. Projects
4. Written Assignments

G. RCTC CORE OUTCOME(S) ADDRESSED:
- Communication
- Critical Thinking
- Global Awareness/Diversity
- Civic Responsibility
- Personal/Professional Accountability
- Aesthetic Response

H. SPECIAL INFORMATION (if any): None