

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

- A. CATALOG DESCRIPTION
1. Credits: 3
  2. Hours/Week: 3 lecture
  3. Prerequisites (Course discipline/number): MATH 0099
  4. Other requirements: College level reading is required.
  5. MnTC Goals (if any): NA
- B. COURSE DISCIPTION: 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. College level reading is required.
- C. DATE LAST REVISED (Month, year): December, 2019
- D. 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
- E. 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.
- F. LEARNING OUTCOMES (MNTC): NA
- G. METHODS FOR EVALUATION OF STUDENT LEARNING: Methods may include but are not limited to:
1. Exams and Quizzes
  2. Presentations
  3. Projects
  4. Written Assignments
- H. RCTC CORE OUTCOME(S). This course contributes to meeting the following RCTC Core Outcomes(s): Critical Thinking. Students will think systematically and explore information thoroughly before accepting or formulating a position or conclusion.
- I. SPECIAL INFORMATION (if any): None