



WEB PROGRAMMING III — ISTC 2610

A. Course Description

- **Credits:** 3.00
- **Lecture Hours/Week:** 2.00
- **Lab Hours/Week:** 1.00
- **OJT Hours/Week:** 0
- **Prerequisites:**
 - ISTC 2110: Web Programming II
- **Corequisites:** None
- **MnTC Goals:** None

This course focuses on capstone web project development. Students will be completing a capstone project that highlights an interactive web application, using both client and server side technologies. Advanced web development topics will be addressed that include such areas as version control, Ajax and jQuery. Prerequisites: ISTC2110 Web Programming II or equivalent programming experience

B. Course Effective Dates: 1/12/15 – Present

C. Outline of Major Content Areas

As noted on course syllabus

D. Learning Outcomes

1. Create a website to meet defined requirements
2. Create interactive Ajax forms using jQuery
3. Embed AJAX scripts within web pages
4. Embed jQuery scripts
5. Ensure compatibility for multiple browsers
6. Explain the use of Ajax for dynamic content
7. Explain the use of jQuery
8. Integrate client-side and server-side scripts
9. Provide an oral presentation of the website
10. Publish the website
11. Understand concepts of version control
12. Use a software tool for version control of website content

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

F. Learner Outcomes Assessment

As noted on course syllabus

G. Special Information

None noted