Course Catalog Description
Building on fundamentals of structured and object-oriented programming, this course covers client and server side scripting languages and a SQL database management system. Students will use open source software tools to develop database-enabled web applications.

Rationale
This course enables students to understand and develop proficiency in some of the basic technologies used to implement applications with Web browser user interfaces, server-side processing, and data storage.

Course Objectives
The student will be given the opportunity to:
1. Describe issues related to the design and implementation of network-enabled information systems.
2. Describe the functionality of some common server-side web application technologies.
3. Demonstrate proficiency in implementing those technologies.

Course Requisites
A grade of "C" or better in Introduction to Computing (IT 103), and Object Oriented Techniques for IT Problem Solving (IT 206) is prerequisite for this course. Realize that a "C-" or lower in the prerequisite course does not satisfy the requirement. Database Fundamentals (IT 214) is a corequisite for the course. The prerequisite course must be completed prior to, not concurrently with, this course. A corequisite course must be taken prior to or concurrently with this course. If you have questions about this policy, please contact the Instructor so that problems can be avoided later on (such as being dropped from the course).

Textbook