



Course Name: Server-Side Programming

Course Number: CSC* E269

Credits: 4

Catalog description: A comprehensive introduction to Internet server-side programming using a modern server-side programming language such as PHP. Topics include server-side programming fundamentals, web application development, communication between server-side and client-side programs, database programming, and interaction with external web services. The course is continually updated to remain current with the state of the art in Internet programming.

Substantial hands-on use of computers in a computerized classroom environment is required.

Prerequisite: CST* E150 and any prior programming language course *or* permission of the instructor

Corequisite or Parallel:

General Education Competencies Satisfied:

HCC General Education Requirement Designated Competency Attribute Code(s):

None

Additional CSU General Education Requirements for CSU Transfer Degree Programs:

None

Embedded Competency(ies):

None

Discipline-Specific Attribute Code(s):

COMP Computer Science Elective

Course objectives:

General Education Goals and Outcomes:

None



Course Specific Objectives:

1. Develop server-side computer programs and web applications using a modern server-side programming language.
2. Develop server-side computer programs that communicate with client-side programs and other server-side programs.
3. Develop server-side computer programs and web applications that access and manipulate a server-side relational database management system.
4. Develop server-side computer programs and web applications that interact with external web services.
5. Develop server-side computer programs and web applications that adhere to generally accepted principles of server-side programming and web application development.

Course Content:

- Review of HTML and CSS.
- Fundamental concepts of server-side programming.
- Basic PHP grammar and syntax.
- PHP objects.
- Communication between server-side programs and client-side programs.
- Session management.
- Overview of SQL.
- Database programming with PHP and MySQL.
- Accessing external web services.
- Developing a complete web application.

Date Course Created: Fall 2015

Date of Last Revision: 04/03/2017