Minnesota State University Moorhead

CSIS 311: Server-Side Scripting

A. COURSE DESCRIPTION

Credits: 3

Lecture Hours/Week: 3

Lab Hours/Week: 0

OJT Hours/Week: *.*

Prerequisites:
This course requires either of these prerequisites
   CSIS 155 - Introduction to Computers & Programming I
   CSIS 153 - Introduction to Computers and Programming I-b

Corequisites: None

MnTC Goals: None

An introduction to server-side scripting. Scripts will be used to generate functional web pages. In addition, databases will be created and accessed through server-side scripts.

B. COURSE EFFECTIVE DATES: 08/25/2008 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

1. Computing Platform.
2. Server-Side Scripting Language Syntax.
3. Passing and extracting HTML form data and persistent data.
4. XML, XML parsers, and access using a server-side scripting language.
5. Content Management Systems .
6. MySQL and database access using a server-side scripting language.

D. LEARNING OUTCOMES (General)

1. Develop web pages using HTML and CSS (Cascading Style Sheets).
2. Describe server-side scripting and contrast it with client-side scripting.
3. Demonstrate the ability to write computer programs in a server side scripting language using control structures, I/O, functions, file handling, and simple data structures.
4. Develop web pages using a server-side scripting language.
5. Describe what a database is and create a database using MySQL.
6. Describe what XML is and create an XML document.
7. Describe what a Content Management System (CMS) is.
8. Demonstrate the ability to use a server-side scripting language and an XML parser to access and XML document.
9. Demonstrate the ability to use a server-side scripting language to access a MySQL database.

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

None

F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

G. SPECIAL INFORMATION

    None noted