CIS 260 - Introduction to XML

5.0 Credits
Topics include how XML is used in Web sites and data storage applications, XSL, incorporating style with XSL and CSS, Namespaces, DTDs and Schemas. Prerequisite: CIS 100 and CIS 114 with minimum grades of 3.0 or equivalent.

Course Objectives

Upon successful completion of this course, students will be able to:

1. Create, structure, and script XML documents. [REASON]
2. Demonstrate proper XML syntax. [REASON]
3. Explain element hierarchies in an XML document. [COMMUNICATE]
4. Write well-formed XML documents. [REASON]
5. Use Namespaces in XML. [REASON]
6. Add style to XML using CSS and XSL. [REASON]
7. Transform XML into other formats using XSLT. [REASON]
8. Use XPath and XPointer for locating specific XML data. [REASON]
9. Use XLink for linking XML and non-XML resources. [REASON]
10. Manipulate XML documents using DOM. [REASON]
11. Validate XML using DTDs and Schemas. [REASON]
12. Incorporate XML into traditional databases. [REASON]