**Course Title:** Extensible Markup Language (XML)

**Course Description:**
Learn basics of XML, become familiar with XSL (Extensible Stylesheet Language) as a technique to combine the information storage capabilities of XML with the presentation capabilities of HTML and style sheets.

**Course Prerequisite(s):**
Hyper Text Markup Language and some programming experience

**Course Objectives:**
Learn the basics of XML, become familiar with XSL (Extensible Stylesheet Language) as a technique to combine the information storage capabilities of XML with the presentation capabilities of HTML and style sheets.

**Textbook(s):**
Teach Yourself XML in 24 hours, 3rd Edition
Publisher: Sams; ISBN: 978-0672327971

**Next Class Possibilities:**
Java & XML

**Lesson Plan – by week or session**

Session 1: Getting to know XML
  - Creating an XML Document
  - Defining Data with DTD Schemas
  - Digging Deeper into XML Documents

Session 2: Putting Namespaces to Use
  - Using SBG to Draw Scalable Graphics
  - Using XML Schema
  - Validating XML Documents

Session 3: XML Formatting Strategies
  - Styling XML Content with CSS
  - Getting Started with XSL
  - Transforming XML with XSLT

Session 4: Access your iTunes Music Library via XML
  - Formatting XML with XSL-FO
  - Using XML to Hack Google Maps
  - Parsing XML with the DOM

Session 5: SAX: The Simple API for XML
  - Querying XML Data with XQuery
  - Using XML with Databases
  - Using XML to Assist Search Engines

Session 6: Adding Structure to the Web with XHTML
  - Addressing and Linking XML Documents
  - Going Wireless with WML and XHTML Mobile
  - Syndicating the Web with RSSs News Feeds