CSCI S-L. Web Development Using XML (CRN: 31683)

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This course will focus on using XML technologies in website development. The first part of the course will cover fundamental XML technologies (XML, XPath, XSL, XSLT, XSLFO, XML Schemas, DTDs, and DOM) and open-source web-based XML publishing frameworks (Cocoon, AxKit). The second part of the course will cove specific markup languages (applications of XML) relevant to website development (XHTML, SVG, RDF, RSS, DocBook, and WML), with an emphasis on developing dynamic, data-driven sites that deliver content in a variety of media types (HTML, text, PDF, graphics) to a variety of devices (desktop and handheld computers, WAP-enabled cellular phones) and audiences. In addition, XML-based web services will be surveyed.