

**Custom Training Institute**

9085 Coyote Springs Road  
Prescott Valley, AZ 86314  
(928) 772-3811  
FAX (928) 441-6444

**XML Presentation (CTI 506)**

*This one-day seminar presents various techniques for presenting XML documents in a web browser. Students who already know CSS or DOM for use with HTML will get great leverage from this course. Those who do not know these technologies will have no trouble learning them to the moderate depth presented here. Everything in the course is based on W3C specifications, without any vendor-specific extensions. No knowledge of any particular programming language or other external technology is required to participate.*

Prerequisites: Course CTI 501 (Introduction to XML) or similar. Ability to read and write well-formed XML.

Minimum software requirements: Microsoft Windows 2000 or Linux, command-line XML tools, Netscape 6.

Minimum hardware requirements for instructor's machine: Pentium 200MHz or equivalent CPU, 64 meg RAM, 50 meg disk space.

Microsoft PowerPoint and Internet access on instructor's machine for presentation purposes.

**Module 1: Styling XML**

- XML and HTML
- Cascading Style Sheets
- Selectors and Properties
- CSS Layout Model
- CSS for HTML
- CSS for XML
- Limitations of CSS

**Module 2: XML-to-HTML Transformations**

- XSL and XSLT
- XSLT on the Client
- XSLT Output Formats
- XPath
- Structure of the XSLT Stylesheet
- Literal Replacement Elements
- Dynamic Content
- Conditional Processing
- Sorting and Filtering

**Module 3: Linking XML Documents**

- XLink
- Elements as Links
- Simple Links
- Show and Actuate Attributes
- XML Base
- Extended Links
- Link Sets and Linkbases
- Local Resources
- XPointer

**Module 4: Scripting Using the DOM**

- Client-Side Scripting
- JavaScript (ECMAScript)
- DOM for HTML
- DOM for XML
- Scripts in XML Documents
- Parsing the XML Document
- Modifying the XML Document
- Responding to User Events

**Appendices:****Learning Resources****Quick Reference: XPath and XSLT**