

**Introduction to XSL-FO**

**Course Number:** XML-140
**Duration:** 2 days

**Overview**

Introduction to XSL-FO teaches students how transform XML documents with XSL to create PDFs.

**Prerequisites**

Prior knowledge of XML and XSLT.

**Materials**

All XSL-FO training students receive comprehensive courseware.

**Software Needed on Each Student PC**

* Editor (One of the following)
	+ Stylus Studio XSL-FO Editor
	+ XMLSpy
	+ <oXygen/> XML Editor
	+ XML editor of your choice
	+ Plain text editor
* FO processing engine of your choice

**Objectives**

All attendees will learn:

* How the Formatting Objects (FO) language works
* How to auto-generate FO documents from XML with XSLT
* How to use a Formatting Objects Engine to generate PDF documents from XML

**Outline**

* Formatting Objects Basics
	+ The purpose of XSL-FO
	+ How XSL-FO Works
		- XSL-FO Document Parts
		- An XSL-FO Example
		- The Root Element: root
		- layout-master-set and simple-page-master
		- Regions
		- page-sequence
		- flow and static-content
		- block
	+ Static Content
		- region-before and region-after
		- static-content
* Blocks and Inlines
	+ Formatting Blocks
		- Box Model
		- Border
		- Space, Indent and Padding
		- Background
		- A Formatting Example
		- Formatting Text
	+ Inline Elements
	+ Inheritance
		- wrapper
	+ Creating Lists
		- list-block
		- list-item
		- list-item-label
		- list-item-body
	+ Whitespace
* Page Layout
	+ Page Masters
	+ Simple Layout
		- fo:simple-page-master
		- fo:region-body
		- fo:region-before, fo:region-after, fo:region-start, and fo:region-end
	+ page-sequence-master
		- Creating a Cover Page
		- Odd and Even Pages
	+ Blank Pages
		- break-before and break-after
	+ Columns
* Links and Graphics
	+ External Links
	+ Graphics
	+ Internal Links
* Tying It All Together: XSL-FO
	+ Tying it all Together
* Keeps, Orphans, and Widows
	+ Keep Constraints
		- keep-with-previous and keep-with-next
		- keep-together
	+ Orphans and Widows
* Leaders, Markers, and Page Numbers
	+ The Output
	+ Table of Contents
		- Page Numbering
	+ Leaders
	+ Markers
* Tables
	+ Creating Tables
		- fo:table
		- fo:table-column
		- fo:table-header, fo:table-body, fo:table-footer
		- fo:table-row
		- fo:table-cell
* Footnotes and Floats
	+ Footnotes
		- xsl-footnote-separator
	+ Floats
* Conclusion