

03-60-440 Principles of Programming Languages (2009 Fall)

[School of Computer Science](#), [University of Windsor](#)

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Assignment 3: XSLT

Due date: November 28, 4pm

Please submit to David Wang (wang112s at uwindsor) by email

You need to write an xslt program called course.xsl. You can run your program using the following commands:

```
> java -classpath xalan\xalan.jar org.apache.xalan.xslt.Process -in course.xml -xsl course.xsl -out course.html
```

Here is the xalan jar file: [xslt/xalan.jar](#).

Assignment specification

Given an XML document about courses in a university as [this](#), write an XSLT called course.xsl to extract the course ID, year, course title, prof, meeting days, time, and location, and present the data in an HTML file as in this sample [output](#). There are three requirements you need to take care of:

1. You should extract the courses that are offered since 2003 (including 2003).
2. Some courses are taught by more than one prof. You need to list all the professors, separated by ",". Please note that you should not print a comma at the very end of the professor list. you can consider to use `test="position()=last()"` in XSLT. Some courses are cross listed and hence have different course-ids. You need to list all the course IDs, separated by ",".
3. When you click the course title, the course description will popup. This is implemented by JavaScript and you can reuse the JavaScript as in [output](#). What you need to consider is to pass the course description into JavaScript function `addDisplay()`. The XSLT code used can include `<xsl:attribute name="href">`, which is introducing href attribute. Following that you can add the attribute value.

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