

**CIS 345 Introduction to XML – Fall 2016**

**Instructor:** Weimin He, PhD  
<http://www4.uwsp.edu/cnmt/whe>

**Office:** B225, Science Building  
**Office Hours:** 11:00am-1:00pm MW

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**Course Description**

XML has become an important standard for data representation and exchange among a variety of web applications. This course introduces essential concepts related to XML, such as DTD, XML Schema, XPath, XSLT, and XQuery. The course also covers a variety of programming interfaces and techniques for XML processing, such as DOM, SAX, and LINQ To XML.

**Course Objectives**

- Understand the essential concepts related to XML, such as DTD, XML Schema, XPath, and XQuery
- Obtain the ability to process XML data using DOM and SAX
- Be able to display and transform XML data using XSLT
- Learn the techniques to store and query XML data in relational databases

**Prerequisites**

- The prerequisite course is CIS 310 or the consent of instructor

**Textbook**

- Beginning XML, 4th Edition, By David Hunter, etc., Publisher: WROX

**Grading**

- 9 Labs: 45%
- Class Attendance: 5%
- Midterm Exam: 20%
- Final Exam: 30% (Comprehensive)
- Bonus Point: 1%

Final grades will be assigned according to the following scale:

A: score  $\geq 90$ , A-:  $87 \leq \text{score} < 90$ ,  
B+:  $83 \leq \text{score} < 87$ , B:  $80 \leq \text{score} < 83$ , B-:  $77 \leq \text{score} < 80$ ,  
C+:  $73 \leq \text{score} < 77$ , C:  $70 \leq \text{score} < 73$ , C-:  $67 \leq \text{score} < 70$ ,  
D+:  $63 \leq \text{score} < 67$ , D:  $60 \leq \text{score} < 63$ , F: score  $< 60$

I may use lower cutoff points, depending on the overall performance of the class.

**Lectures**

- Lecture slides and source code of class examples will be posted on D2L
- Students are strongly encouraged to attend each class and actively participate in class discussions



### **Assignments and Deadlines**

- All assignments will be posted on D2L. It is your responsibility to check D2L on a regular basis.
- Due time of a lab will be given in the description file of the lab. You must demo your lab before the due time. You will get zero point for the lab if you do not demo the lab before the due time.

### **Exams**

- Both midterm and final exam are closed-book
- Final exam is comprehensive
- In general, any exam can NOT be made up
- If you miss an exam due to unavoidable circumstances (e.g., health), you must visit the instructor during his office hours and a written explanation along with the supporting documents must be submitted to the instructor
- Do NOT ask for make-up exams if you missed an exam due to travel

### **Students with Disabilities**

If you require accommodation based on disability, I would like to meet with you in the privacy of my office during the first week of the semester to ensure that you are appropriately accommodated.

### **Academic Misconduct**

You are encouraged to discuss assignments with each other and to seek assistance from myself or others whose function is to provide assistance to students (e.g. computer lab personnel).

However, since assignments are a part of the final grade in the course, you must limit the amount of assistance you receive. Such assistance must be limited to a verbal discussion of the approach to an assignment, and may not include substantive solution of the assignment by the person providing the assistance.

If you submit an assignment which is in whole or in part the work of another person or persons, then you, and any such other person or persons whether enrolled in the class or not, will be dealt with as prescribed by Chapter UWSP 14 of the Rules of the Board of Regents of the University of Wisconsin System, Wisconsin Administrative Code.

### **In an Emergency**

- In the event of a medical emergency, call 911 or use red emergency phone located to the right of the pendulum in the 2nd floor hallway of the Science Building.
- In the event of a tornado warning, proceed to the lowest level interior room without window exposure on the first floor lavatory in the Science Building. If time or space do not allow, go to A224 or A225 Science Building or remain in the hallways around those classrooms. See <http://www.uwsp.edu/rmgt/Pages/em/procedures/other/floor-plans.aspx> for floor plans showing severe weather shelters on campus. Avoid wide-span rooms and buildings.
- In the event of a fire alarm, evacuate the building in a calm manner. Meet at the far end of Lot X where the driveway enters Lot X. Notify instructor or emergency command personnel of any missing individuals.
- Active Shooter – Run/Escape, Hide, Fight. If trapped hide, lock doors, turn off lights, spread out and remain quiet. Follow instructions of emergency responders.
- See UW-Stevens Point Emergency Management Plan at [www.uwsp.edu/rmgt](http://www.uwsp.edu/rmgt) for details on all emergency response at UW-Stevens Point.

