CSC 390 XML Programming

Fayetteville State University
College of Arts and Sciences
Department of Mathematics and Computer Science

I. LOCATOR INFORMATION
Semester: Fall 2004
Course No. & Name: CSC 390-01 XML Programming
Credit hours: 3
Day/Time/Room class meets: 01 TR 2—3:20 P.M., SBE 213
Instructor: Dr. Daniel Okunbor
e-mail address: diokunbor@uncfsu.edu
Office location: SBE 313
Office telephone: 672-1666
Office hours: M W F 2:30—4:00 P.M.
Other office hours by appointment

II. COURSE DESCRIPTION
This course is designed to cover contemporary topics of current interest and demands in computer and information science at the junior and senior levels. It may be repeated for credit with approval of department.

Prerequisite: permission of the instructor

III. TEXTBOOK

IV. SPECIFIC COURSE OBJECTIVES/LEARNING OUTCOMES
Upon successful completion of the course the student should be able to
- Relate XML to other computer languages;
- Identify features of XML;
- Identify different components of an XML document;
- Build and modify XML documents;
- Review, install, configure and use applications from all the XML authoring tools;
- Create document type definitions;
- Create XML schemas;
- Create XML transformations; and
- Use XLink for linking in XML.

V. EVALUATION CRITERIA / GRADING SCALE
Your final grade will be based on the following weighting.

Class participation 10% (deduce 2% for each day you are absent)
Three tests 30%
Machine programs/Assignments/Quizzes 35%
Comprehensive final 25%

Letter grades will be assigned on the basis of the following scale.

A 90 – 100%
B 80 – 89%
CSC 390 XML Programming

C 65 – 79%
D 55 – 64%
F below 55%
WN See the University's Attendance/Withdrawal Policy in the Undergraduate Catalog. This will be applied to all students.
W Student initiated withdrawal from class.

VI. COURSE OUTLINE

<table>
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<tr>
<th>WEEK</th>
<th>TOPICS</th>
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<tr>
<td>08/16—8/20</td>
<td>Chapter 1 Introduction to XML</td>
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<tr>
<td>08/23—8/27</td>
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<tr>
<td>08/30—9/03</td>
<td>Chapter 2 XML components</td>
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<td>09/06—9/10</td>
<td>Chapter 2 XML components, Labor Day Holiday 9/6/2004</td>
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<tr>
<td>09/13—9/17</td>
<td>Chapter 3 XML creation and editing software</td>
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<tr>
<td>09/20—9/24</td>
<td>Chapter 3 XML creation and editing software</td>
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<tr>
<td>09/27—10/1</td>
<td>Chapter 4 DTD creation, Mid-Term Exam-Test #1</td>
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<td>10/04—10/8</td>
<td>Chapter 4 DTD creation</td>
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<tr>
<td>10/11—10/15</td>
<td>Chapter 4 DTD creation, Fall Break Oct 11-12</td>
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<td>10/18—10/22</td>
<td>Chapter 5 XML schemas</td>
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<td>10/25—10/29</td>
<td>Chapter 5 XML schemas Test #2</td>
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<td>10/31—11/05</td>
<td>Chapter 6 XML transformations</td>
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<tr>
<td>11/08—11/12</td>
<td>Chapter 7 XLinks Test #3</td>
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<td>11/15—11/19</td>
<td>Chapter 8 XML transformations</td>
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<td>11/22—11/26</td>
<td>Chapter 9 XLinks, Thanksgiving Holidays 11/24-11/27</td>
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<tr>
<td>11/29—12/01</td>
<td>Chapter 9 XLinks, Review for final exam</td>
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<td>12/02—12/08</td>
<td>Cumulative final exam</td>
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Note: This schedule is subject to change for the optimum benefit of the class as a whole. Therefore, it is important to stay alert and attend class regularly.

VIII. COURSE REQUIREMENTS

Students are expected to enter the classroom on time until the class ends. Late arrivals and early departures will be noted in the record book. Three late arrivals make an absence. Please, do not come to class if you are going to be more than 10 minutes late.

Talking in class between students is strictly unacceptable. Students are encouraged to ask questions of the lecture in class.

Students are responsible for availing themselves of all class meetings and individual help from the instructor.

Each student must independently complete all homework and programming assignments. However, you may discuss the assignments (in general) with each other.

Twenty percent (20%) of the total points will be deducted from each school day the programming assignment is overdue.

IX. TEACHING STRATEGIES

Lectures and labs.