CSCE 1035 Information Systems I

Instructor: David Keathly
Office: NTDP F201J
Office Hours: T/Th 2:00 – 3:30 pm
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Semester: Fall 2011
Time: T/Th 12:30 – 1:50 pm
Place: NTDP B192

Course Catalog Description

Introduction to the design of medium to large scale enterprise information systems and distributed systems using appropriate framework. Introduces tools and techniques for building such systems and incorporates project-based learning as students work in teams to apply their knowledge in a semester-long development activity.

Course Outcomes

1. Construct a forms-based stand-alone application using C# or PHP.
2. Configure a web server and install a basic web site using either the LAMP or .NET environments.
3. Design and create a medium to large scale distributed system, in a team environment, using either the LAMP or .NET frameworks.
4. Define and implement a basic security policy for a distributed system.
5. Integrate commercial software products with custom-developed modules and components in the creation of a large scale distributed system.
6. Use configuration management, collaboration and project management tools during the design and construction of a large scale distributed system.

Textbook:

PHP and MySQL Web Development by Welling/Thomson, Addison Wesley (refer to as PHP)

References:

Information Architecture for the World Wide Web by Morville/Rosenfeld, O'Reilly (refer to as IA)

Prerequisites

CSCE 1030, MATH 1650 (concurrent)

Course Requirements:
Attendance: Optional, although student is responsible for all materials covered in lecture and class discussion
Exams: None
Project: The majority of the assignments in this course will relate to a large group project that will extend into the CSCE 1045 class in the Spring semester
Assignments: There will be a few initial individual assignments and a number of group deliverables throughout the semester

For More information
Faculty Webpage: www.cse.unt.edu/~dkeathly
Class Web Page: moodle.cse.unt.edu

Topics

• History of Information Systems
• Project management and team fundamentals
• Distributed Systems
• Web Services and web-based development
• Security
• User Interface Design
• Systems integration
• Configuration Management
• Systems Development Lifecycle

Course Calendar (subject to change)

<table>
<thead>
<tr>
<th>Week</th>
<th>Topics</th>
<th>Readings, Materials and Assignments</th>
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</thead>
</table>
| Week 1 | Welcome, Class Overview and Philosophy  
           Project descriptions  
           Intro to Information Architecture and Systems | see lecture notes on class web page |
<p>| Week 2 | Systems Development Lifecycle | see lecture notes on class web page |
| Week 3 | Project Management Survival Guide | see lecture notes on class web page |
| Week 4 | Requirements | see lecture notes on class web page |
| Week 5 | Web Servers and Distributed Systems | see lecture notes on class web page |
| Week 6 | User Interface Design for the Web | see lecture notes on class web page |
| Week 7 | PHP | see lecture notes on class web page |</p>
<table>
<thead>
<tr>
<th>Week 8</th>
<th>PHP and MySQL</th>
<th>see lecture notes on class web page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Week 9</td>
<td>Preliminary System Design</td>
<td>see lecture notes on class web page</td>
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<tr>
<td>Week 10</td>
<td>Documenting System Design</td>
<td>see lecture notes on class web page</td>
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<tr>
<td>Week 11</td>
<td>Project Work Time and Feedback</td>
<td>see lecture notes on class web page</td>
</tr>
<tr>
<td>Week 12</td>
<td>Security Issues</td>
<td>see lecture notes on class web page</td>
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<tr>
<td>Week 13</td>
<td>Configuration Management</td>
<td>see lecture notes on class web page</td>
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<tr>
<td>Week 14</td>
<td>System Integration</td>
<td>see lecture notes on class web page</td>
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<tr>
<td>Week 15</td>
<td>Final Presentations</td>
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<tr>
<td>Week 16</td>
<td>Finals Week</td>
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**Grading Policy**

The various components of your grade are weighted as follows:

- Team Project Deliverables 45%
- Team Presentations / Final Report 20%
- Instructor, Client, Peer Reviews 20%
- Individual Assignments 15%

**Course Policies:**

- ABSOLUTELY, NO LATE project assignments will be graded, unless specific arrangements are made with the instructor in advance.
- All assignments will be turned in by midnight on the date due. Assignments may be submitted in person at class, at person in my office (not at the front desk!) or via email unless otherwise instructed.
- ALL requests for extensions on assignments must be made prior to the due date, in person, and must be for a valid "emergency" reason. In extreme circumstances, contact after the due date may be accepted if there is a COMPELLING reason.
- Attendance is at your option. However, you are responsible for all discussion, lecture and other information disseminated during the lecture period, regardless of whether you attend or not.
- Lectures and Project assignments are included in this syllabus. However, you should regularly check the class website, as well as take note of in-class announcements for changes in the schedule or assignments.

**Collaboration and Cheating:**

Collaboration among students in class is most certainly encouraged, as it is my belief that it provides a better learning environment, and required for team assignments. For further details and clarifications regarding collaboration and cheating, view the university Student Rights and Responsibilities web page.

**Student Evaluation of Teaching Effectiveness (SETE)**
The Student Evaluation of Teaching Effectiveness (SETE) is a requirement for all organized classes at UNT. This short survey will be made available to you at the end of the semester, providing you a chance to comment on how this class is taught. I am very interested in the feedback I get from students, as I work to continually improve my teaching. I consider the SETE to be an important part of your participation in this class.

**ADA:**

UNT complies with all federal and state laws and regulations regarding discrimination including the Americans with Disability Act of 1990 (ADA). If you have a disability and need a reasonable accommodation for equal access to education or services please contact the Office of Disability Accommodation.