CSCE 1045 Information Systems II

Instructor: David Keathly  Semester: Spring 2012
Office: NTDP F201J  Time: T/Th 12:30 – 1:50 pm
Office Hours: Tues 2:00 pm – 3:30 pm  Place: NTDP B190
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Course Catalog Description

Continues the concepts introduced in Information Systems I with introduction of active content, data-driven content and service-oriented architectures. Students are organized in teams in order to complete a large-scale development activity using the knowledge and tools presented in the course.

Course Outcomes

1. Integrate a variety of data sources into a medium to large scale distributed system using the LAMP or .NET framework.
2. Create active, data-driven content for a web-based or distributed system.
3. Design user interface components to support data-driven content.
4. Create and use web services in a distributed system.
5. Define and implement a system based on a service-oriented architecture.
6. Define and implement an installation plan to deliver a distributed system to a customer.

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 1035

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 completed based on preliminary work in CSCE 1035
Assignments: There will be a few initial individual assignments and a number of group deliverables throughout the semester

For More information

David Keathly’s Webpage: www.cse.unt.edu/~dkeathly
Class Web Page: moodle.cse.unt.edu

Topics

• Project management and team fundamentals
• Distributed Systems
• Web Services and web-based development
• Security
• User Interface Design
• Systems integration
• Configuration Management
• Systems Development Lifecycle
• System Implementation
• System Testing
• System Delivery

Course Calendar (subject to change)

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<th>Week</th>
<th>Topics</th>
<th>Readings, Materials and Assignments</th>
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| Week 1 | Course Overview  
Project Plan Updates | see lecture notes on class web page |
| Week 2 | Implementation Plan guidelines  
Bi-weekly status report | see lecture notes on class web page |
| Week 3 | Work Week | see lecture notes on class web page |
| Week 4 | Lecture: Testing  
Bi-weekly Status report | see lecture notes on class web page |
<p>| Week 5 | Lecture: Test Plans | see lecture notes on class web page |
| Week 6 | Bi-weekly status report | see lecture notes on class web page |
| Week 7 | User Documentation | see lecture notes on class web page |
| Week 8 | Bi-weekly status report | see lecture notes on class web page |
| Week 9 | Developer Documentation | see lecture notes on class web page |
| Week | Bi-weekly status report | see lecture notes on class web page |</p>
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**Grading Policy**

The various components of your grade are weighted as follows:

- Team Project Deliverables 45%
- Individual Reports, Presentations and Editorships 15%
- Team Presentations/Final Report 20%
- Peer, Client and Instructor Performance Reviews 20%

**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 is required for team assignments. All resources used should be clearly cited in written work of any kind, both individual and team.

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.