MIS 373 Service Oriented Architecture, Fall 2009

Unique Number: 03880
Instructor Edward Doan, MSE email: edward.doan@mccombs.utexas.edu
Class times and location TTh 3:30-5:00 PM UTC 1.146
Office CBA 3.410
Mobile Phone 512-784-0905
Office Hours By appointment and via Facebook chat
Course Web Page via Blackboard

Course description:

Integration is one of the most critical technical challenges in software today, as can be evidenced by the lack of progress companies have made in information sharing and the cost and difficulty that they have in documenting regulatory compliance. With the advent of Web services and service-oriented architectures (SOA), IT can be more aligned with business needs, increasing business agility.

The course will prepare you to understand:

- Developing applications using the Java programming language
- Understanding the importance of open standards and open source software
- Web services and associated open standards such as XML, SOAP, WSDL
- SOA as an architectural approach for integrating and linking repeatable business tasks
- The importance of aligning information technology (IT) with business
- SOA as the main approach for dealing with the interoperability of systems in heterogeneous environments

Prerequisites
MIS 333K with a grade of at least C. Incoming students are expected to know the basics of computers and computation; and how to program in a high-level programming language using features of the language, such as: variables and operators, built-in data types, execution control structures, and arrays.

Required Textbook
SOA for the Business Developer: Concepts, BPEL, and SCA, 1st Edition. Author: Ben Margolis, ISBN 1583470654

Class Website Announcements, assignments, course schedule, additional readings and other information are available on Blackboard at http://courses.utexas.edu/

Grading	Weight	Assignment
	30%	Quizzes / Exercises
	20%	Exam 1
	25%	Exam 2
	25%	Programming assignments
Total	100%	

Quizzes / Exercises
Frequent and incremental measurements of knowledge and understanding are often cited as the best way to improve retention of the subject matter. A short quiz may be given at the beginning of class. Other in-class or out-of-class exercises may be assigned during the course. No make-up will be provided for in-class assignments unless it has been approved ahead of time by me. The lowest quiz grade will be dropped at the end of the semester.

Exams
There are two exams. If you miss an exam because of illness, a University-approved absence, or an absence approved in advance by me, you will be given the opportunity to take a makeup. It is your responsibility to schedule the makeup with me; otherwise you will receive a grade of zero.

Programming Assignments
Programming assignments are required. Programming is a discipline that you learn by doing, not by listening to a lecturer. Therefore, doing the programming assignments is crucial to performing well in this class. Each assignment will have a clearly stated due date and time. Be sure to budget sufficient time to complete assignments before the deadline. At the time you submit each assignment for grading, you are **required** to make a backup copy of the source code file on your removable secondary storage device (e.g. flash drive). This will be necessary in cases where your program gets lost, is corrupted, or if there is some dispute over what was turned in and when.

SUBMITTING PROGRAMMING ASSIGNMENTS.
Programming assignments will be submitted for grading by using the Blackboard system assignment manager feature. Program assignment submission rules:

1. Submit the completed files (usually the .java text files) that form your program to the assignment manager on the blackboard page for this course
2. Do not email files to the professor unless you have been previously given permission to do so (and this will only happen in the case of some emergency)
3. You must submit before the deadline. Any submission received after the submission deadline will be assessed a grade deduction.
4. As part of the required documentation header block, the top three lines of the file that is submitted should be comments with the following information:

```
// your name - last name first
// your student EID
// MIS373-Assignment n - where n is the assignment number (1, 2, ...)
```

Class participation
You are expected to participate in class by answering questions, by asking good questions, raising issues, and making observations. No comment is considered “bad” as long as it makes a constructive class contribution. A good learning environment is a safe environment -- one in which all feel free to question and discuss. A sense of humor is always welcome!

Grading
The grade you are given, either on an individual exam or assignment or as your final grade, is not the starting point of a negotiation. It is your grade unless a concrete error has been made. Do not come to see me or the TA to ask for a better grade because you want one or you "feel you deserve it". Come only if you can document a specific error in grading or in recording your scores. Errors can certainly be made in grading, especially when many students are involved. But keep in mind that the errors can be made either in your favor or not. So it's possible that if you ask to have a piece of work re-graded, your grade will go down rather than up.

Remember that the most important characteristic of any grading scheme is that it be fair to everyone in the class. Keep this in mind if you're thinking of asking, for example, for more partial credit points on a problem. The important thing is not the exact number of points that were taken off for each kind of mistake. The important thing is that that number was the same for everyone. So it can't be changed once the grading is done and the exams or assignments have been returned.

If you have questions or concerns about any of your grades, contact me during office hours or via email.

Attendance
Attendance is expected. Whether you come to class or not, you are responsible for keeping up with what happens in class. If you miss a class (other than for illness or an emergency), it is not reasonable for you to expect me to repeat just for you the material that was covered in the class that you missed. This applies both to the content of the class as well as to announcements about class policies, events, deadlines, or whatever. You can expect a loss of at least one letter grade if you miss four or more lectures.

Drop Policy:
If the University policies permit, you may withdraw or drop this course with approval by the withdraw/drop deadlines set by the University. After the deadline, students who withdraw/drop the course receive a grade based on what they have earned in the course at that point in time.

Scholastic Dishonesty Policy:

The University defines academic dishonesty as cheating, plagiarism, unauthorized collaboration, falsifying academic records, and any act designed to avoid participating honestly in the learning process. Scholastic dishonesty also includes, but not limited to, providing false or misleading information to receive a postponement or an extension on an exam or other assignment, and submission of essentially the same written assignment for two different courses without the permission of faculty members. In addition, you are responsible for enforcing this policy in the following three ways:

1. You must not turn in work that is not yours, except as expressly permitted by me. Specifically, you are not allowed to copy someone else's program code. This is plagiarism.
2. You must not enable someone else to turn in work that is not his or hers. Do not share your work with anyone else. Make sure that you adequately protect all your files. Even after you have finished a class, do not share your work or published answers with the students who come after you. They need to do their work on their own.
3. You must not allow someone to openly violate this policy because it diminishes your effort as well as that of your honest classmates. Providing the questions or answers on an exam that you took earlier to another student who will take it later is cheating.

The McCombs School of Business has no tolerance for acts of scholastic dishonesty. The responsibilities of both students and faculty with regard to scholastic dishonesty are described in detail in the Policy Statement on Scholastic Dishonesty for the McCombs School of Business. By teaching this course, I have agreed to observe all of the faculty responsibilities described in that document. By enrolling in this class, you have agreed to observe all of the student responsibilities described in that document. If the application of that Policy Statement to this class and its assignments is unclear in any way, it is your responsibility to ask me for clarification.

Students who violate University rules on scholastic dishonesty are subject to disciplinary penalties, including the possibility of failure in the course an/or dismissal from the University. Since dishonesty harms the individual, all students, and the integrity of the University, policies on scholastic dishonesty will be strictly enforced.
Students should refer to the Student Judicial Services http://www.utexas.edu/depts/dos/ or the General Information Catalog to access the official University policies and procedures on scholastic dishonesty as well as further elaboration on what constitutes scholastic dishonesty.

Special accommodations:
The University of Texas at Austin provides upon request appropriate academic accommodations for qualified students with disabilities. For more information, contact the Office of the Dean of Students at 471-6259, 471-4641 TTY.

Information Privacy:
Password-protected class sites are available for all accredited courses taught at The University. Syllabi, handouts, assignments and other resources are types of information that may be available within these sites. Site activities could include exchanging email, engaging in class discussions and chats, and exchanging files. In addition, class email rosters will be a component of the sites. Students who do not want their names included in these electronic class rosters must restrict their directory information in the Office of the Registrar, Main Building, Room 1. For in formation on restricting directory information, see http://www.utexas.edu/student/registrar/catalogs/gi02-03/app/appc09.html