

SYLLABUS - CEN 6016
ENGINEERING OF SOFTWARE 1
Fall 2005

Instructor: Dr. Bob Roggio,

Office Hours: Mon – Wed 3:00pm - 4:30pm
Other times by appointment.

Office: Building 15 Room 3220
Office phone: 620-2985

Class Time: MW, 6:00 pm – 7:15 pm
Class Location: Building 15 Room 2203

Prerequisites: Graduate Standing

Textbook titles: (These books will be used for both Software Engineering courses.)
Use Cases – Requirements in Context, by Kulak and Guiney
Addison-Wesley, ISBN: 0-321-15498-3 Published in 2004

Visually Modeling with Rational Rose 2002 and UML, by Terry Quatrani
Addison-Wesley, ISBN: 0-201-72932-6 Published in 2003

The Rational Unified Process – An Introduction 3rd edition, by Philippe Kruchten
Addison-Wesley, ISBN: 0-321-19770-4 Published in 2004

Object-Oriented Software Engineering by Lethbridge and Langanieri, McGraw-Hill,
ISBN: 0072834951 Pub Date: Aug 2001
www.mcgraw-hill.co.uk/textbooks/lethbridge

Important Dates:

Last day to drop/add and last day to pay fees: Friday, August 26 (@ 5pm)

Last day to withdraw from class*** (with no refund): Monday, November 7

Before you withdraw from this (or any) class, be sure to read the following policy:
<http://www.unf.edu/cocse/cis/CIShtml/CIScourseRepeat.html>

Last day of classes: Friday, December 2. (Ours will be 30 Nov)
Exam Week: December 5 – 9 Ours is 6 to 7:50pm, Monday, 5 December 2005.

Exam Schedule in general is: (<http://www.unf.edu/registrar/finals.html>)
Exams must be held during your exam period, which may not be your normal class time.

My web page: <http://www.unf.edu/~broggio>

Tests and Grading: Three Exams - each 20% of final grade
Project Deliverables and Presentations - 40% of final grade
Make-up tests will **not** be given
unless an **extreme documented emergency**
arises.

Deliverables / Presentations:*

There will be approximately five deliverables which will be documented under separate link. Every attempt has been made to have a complete description of each deliverable in this link. However, if I have not been clear or if you have any question, please do not hesitate to ask. We will also discuss the deliverables during class time.

Grade Guidelines:

0. Every one wants an A. Frankly, I would be pleased to record A grades for everyone. Unfortunately this rarely happens. But here is the simple key to your 'earning' an A – and, I might add, more importantly, learning the material that is essential to your success as a graduate and professional in this field.

1. DON'T MISS CLASS!

If you are one who misses classes to study for other courses or for other reasons, these are NOT classes that you want to miss. There is simply too much material passed on. If you **must** miss class, then do NOT assume that the slides are substitutes for the lecture. They are not.

2. BE SMART: DOWNLOAD SLIDES AND BRING TO CLASS!

My lectures will come from these slides, which are updated every semester with the latest information. They are not sufficient in themselves as sources of study. Bring your copies to class and mark on them as I discuss the materials in class. These slides are on my web page for you so you don't have to write volumes of notes during lecture and you can listen. Take advantage of this opportunity.

3. DON'T MISS THE READING ASSIGNMENTS! BE READY FOR CLASS.

You will be selling yourself short and not get the full impact of the lectures and the broadening presented to you in the readings. These readings are the 'latest.' They are critical to understanding the material.

4. WORK SMARTER – NOT HARDER!

'Front-end' everything. This means to jump on assignments once they are in scope. Don't put them off! Don't depend totally on your partners for their parts of the project and just 'assemble' them. This is a recipe for failure for sure. Allow time. If you front end and work smart, there is time

to resolve problems, ensure your deliverables look as if they came from a single source – and not five sources, and there is time to ask questions and resolve problems BEFORE the due date. Again, work smarter – not harder.

5. WORK THE COURSE EVERY DAY!

Don't be foolish and wait until exams are announced and then start to study. This material cannot be memorized. It requires an 'understanding' and a 'maturity' that can only come from studying, listening, and 'sink time.' Study at least two hours per lecture per week aside from project work and reading. This is really needed. Ask former graduates of this course sequence.

Now for the specifics:

1. Students **must average at least 70%** in the examination **and** earn at least a 70% average in the project deliverables/presentations in order to pass the course - (Grade "C" or better). Clearly, for graduate students, a C is not a terrific grade.
2. Each test will be worth 100 points. All examinations will be announced. There will be no pop quizzes, but I may elect to administer a series of twenty point quizzes (announced). The sum of these quizzes may be used to replace one of the two major exams, but not the third exam – if a third exam is given. Thus, the quiz scores will be allowed to replace a major exam score – but not 'any' exam score. We will discuss in class. There will also be an attempt to have a sufficient number of quizzes so that one of these may be discarded...
3. Additional guidance for the projects and their associated documentation are provided in separate documents, as mentioned, and discussed in great detail at that time.

Course Philosophy:

Planning your workload is critical. Teams will be formed and the establishing of a team leader, and agreed-to meeting dates, the apportioning of tasks, integration of results, inspections/appraisal of individual results prior to incorporating these results into an evolving document, and a host of related tasks will typify your activities during this course. The dynamics of your team will influence the degree of success of your project.

You will note that a number of books are required. Only one is full-sized. The others are short, but absolutely essential.