

CSC302 – Engineering Large Software Systems

Fall 2008

<http://www.cs.toronto.edu/~sme/CSC302>

General Information

Instructor:

Prof Steve Easterbrook, Bahen Center BA3259
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TAs: Tutor

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Lectures: Mondays & Wednesdays, 1pm, BA1190

Tutorials: Fridays, 1pm, BA1190

Instructor's office hours: Tuesdays 11am BA3259; other times by appointment

Assignments: Students work in teams of 6 (± 1) for all assignments.

Recommended Texts

Main Textbook

Martin Fowler, “*UML Distilled: A Brief Guide to the Standard Object Modeling Language (3rd edition)*”. Addison-Wesley, 2003. ISBN: 978-0321193681

You'll find it pretty essential to have a UML reference book handy throughout the course. I strongly recommend Fowler's book. The third edition covers the latest changes to UML. You can get away with other UML books if you like, but I find they're not so good at sorting out what really matters in UML.

You'll need to refer to other books and readings throughout the course – I will provide pointers as needed.

Course Prerequisites

To take this course, you must have completed CSC301 (Introduction to Software Engineering). Students who haven't completed the prerequisite should discuss their case with the instructor.

Attendance at Lectures and Tutorials

Attendance at lectures is mandatory. Much material and interpretation is covered during lectures that is not present in textbooks or notes. Experience has shown that your final exam grade is highly correlated with lecture attendance.

You will be working in teams of six (± 1) for this course, and all members of a team must attend the same tutorial section. There will be no tutorial in week 1. **The first tutorial will be on Friday, September 19.** Your individual TA will be grading your assignments. Therefore, it is wise to attend tutorials as well, and seek help from your TA. The tutorial sections will be covering background material and going into greater depth with worked out examples. The tutorial time is also a good time to meet with your team face to face. Sometimes we will shorten the tutorials to allow you time for team meetings.

Communication & Email Policy

Please use lectures and tutorials as your main opportunity to ask questions about the course. Major announcements will also be posted on the course website.

NOTE: I typically receive hundreds of emails a day. I tend to read them quickly, but am much slower to respond (more than a week late is typical). Hence, I will **not** normally respond to email questions, unless it is an emergency. You may send me questions by email between lectures, but I will usually provide answers or clarifications in the lectures (rather than by responding by email). I will also maintain a frequently asked questions (FAQ) list on the course website – from time to time I will add to this list as common questions arise. *Bear in mind that I run an aggressive spam filter, and email sent to me from non-UofT addresses might not reach me.*

Assessment

There are four practical assignments and two exams, as follows:

Task	%	Topic	Due Date
Assignment1	5%	Reverse Engineering	October 6
Assignment2	10%	Implemented Change Requests	October 20
Midterm test	20%	First half of course (50 min)	October 27
Assignment3	15%	Requirements & Test Plan	November 17
Assignment4	15%	Process Review	December 5
Final exam	35%	All course material (2 hrs)	TBD

The assignments are all team assignments. Each team will submit a single report for each assignment. All members of a team will receive the same grade for the assignment, except in exceptional circumstances at the discretion of the instructor. Detailed instruction on the content of each assignment will be handed out during the term.

Due dates for the assignments are firm. Assignments must be submitted in person, within ten minutes of the start of the lecture on the specified date (i.e. by 1:20pm). There will be a 10% deduction for late assignments for each day of delay, to a maximum of 7 days; assignments will not be accepted beyond that point. Saturdays, Sundays and holidays count when calculating late days.

Please note that the TAs and the instructor will not answer any questions relating to assignments within the 24-hour period prior to the deadline. If you have questions about the grade your assignment received, please ask your TA. **However, all requests for remarking must be made to Prof Easterbrook.**

The end of term exam constitutes 35% of the course grade. *Each student must achieve a minimum mark of 30% on the exam in order to pass the course.*

Teamworking

All assignments will be done in teams of six (± 1) people. If a team member drops the course, he or she should immediately notify his or her fellow team members, also the tutor or the instructor. Each student will have an account on the CDF machines.

Warnings

- Do not use another team's solution: to avoid problems, discuss with fellow students from other teams only general approaches to assignment solutions; do not take notes during such discussions. See the course website for advice on plagiarism and teamworking.
- Extensions to assignment deadlines will only be granted in the case of documented medical emergencies. See <http://www.utoronto.ca/health/forms/forms.htm>