

SE 3M04 Fall 2002

Course Outline

Instructor: J. Carette

with thanks to: M. v. Mohrenschildt, W. M. Farmer,
D. L. Parnas

Revised: 2 September 2002

MISSION

1. Understand the professional responsibilities of software engineers.
2. Understand the role of precise specifications in software development.
3. Learn how to read and use specifications in program design, implementation, testing, and inspection.
4. Learn the basic principles of software design with emphasis on programs that are sequential, terminating, and composed of modules.

Work Plan

- Lectures (see schedule in course outline)
- A practical exercise every two weeks
 - Done individually
 - All programs will be written in Java 1.4
- 2 midterm tests done in class
- Final exam

Texts

1. **Required:** M. v. Mohrenschildt, *SE3M04 Lecture Notes*, available in bookstore.
2. **Optional:** F. P. Brooks, Jr., *The Mythical Man-Month, Anniversary Edition*, Addison Wesley, 1995.
3. **Optional:** D. M. Hofman and D. M. Weiss, *Software Fundamentals: Collected Papers by David L. Parnas*, Addison Wesley, 2001.

Mechanics

- Course web site:

<http://www.cas.mcmaster.ca/~carette/SE3M04/2002/>

- Teaching assistants

- Two EE graduate students
 - * Mohammed Smadi and Jiang Zhu
 - Provide assistance with lab exercises and programming in Java
 - Mark lab exercises
- Each student is required to keep a log

Grading

Component	A	B
Lab exercises (6)	20%	0%
Midterm tests (2)	40%	40%
Final exam	40%	60%
Total	100%	100%

- A student must pass the course under scheme B. The final mark will then be calculated using scheme A.
- There will be no changes to this marking scheme.

Selected Policy Statements

1. I would appreciate your suggestions on how I can improve my teaching methods.
2. Regular class attendance is expected.
3. You are urged to ask questions during class.
4. You are welcome to discuss lab exercises with other students, but all such interactions must be recorded in your log.
5. Your final documentation, program and test program must be your own.
6. Lab exercises may not be turned in late and midterm tests may not be taken later without **prior** approval from the instructor.

Labs and Tutorials

- Virtual i
- Recommendation: lab time on your schedule be used for working on the assignment.
- Tutorials will be used to go over concepts useful for the assignment(s).