

ENGR. 7893 - Software Engineering

Course Information Sheet

Memorial University of Newfoundland

Fall 2009

Instructor Dennis Peters, EN-3061, 737-8929.

E-mail dpeters@mun.ca

Lectures Tuesday, Thursday 12:00-12:50, EN1000; Friday 1300-1350, EN-4020.

Lab slot Wednesday 1400-1650, EN-2048. Will be used for meetings, demos etc. as needed.

Office hour Tuesday 1300-1400, Thursday 1400-1500, or by appointment. As usual, you're welcome to try my office any time, but I don't promise to be able to help you outside of the office hour. E-mail always works, but response times will vary.

Web page <http://www.engr.mun.ca/~dpeters/7893/>

TA Shadi Alawneh, shadi.alawneh@mun.ca

Textbooks/References

There is no prescribed text for this course. The following are books that you may find useful.

- [1] Sinan Si Alhir. *UML in a Nutshell*. O'Reilly & Associates, 1998.
- [2] Martin Fowler. *UML Distilled: A Brief guide to the Standard Object Modeling Language*. Addison-Wesley, third edition, 2004.
- [3] Erich Gamma, Richard Helm, Ralph Johnson, and John Vlissides. *Design Patterns: Elements of Reusable Object-Oriented Software*. Addison-Wesley, 1994.
- [4] Carlo Ghezzi, Mehdi Jazayeri, and Dino Mandrioli. *Fundamentals of Software Engineering*. Prentice Hall, Englewood Cliffs, NJ 07632, second edition, 2003.
- [5] Xiaoping Jia. *Object-Oriented Software Development Using Java: Principles, Patterns, and Frameworks*. Addison-Wesley, second edition, 2003.
- [6] Robert C. Martin. *Agile Software Development: Principles, Patterns, and Practices*. Prentice-Hall, 2003.

Evaluation Scheme

The deliverables, due dates and their relative weights are as follows:

Date	Item	Marks
Wednesday, September 9 1400-1450	Team selection	
Wednesday, October 7	Simulator Increment 1	15
October 27–30	Presentations (individual)	10
Wednesday, October 21	Simulator increment 2	15
Wednesday, November 4	Controller Layer 1	15
Wednesday, November 18	Controller Layer 2 (individual)	10
Wednesday, November 25	Competition	15
Monday, November 30	Final implementation & documentation	20
Friday, December 4	Peer evaluation	see note 1

Notes

1. Students on the same team will not necessarily receive the same grade on the project—it will be adjusted to reflect individual contribution as follows:

$$m = \frac{t}{2} (1 + p) \text{ where}$$

m is the individual project mark

t is the team mark

p is the peer evaluation (1 means contribution on par with expectations)

2. Implementation and documentation deliverables will be submitted via the subversion repositories. The latest revision at 0900 on the due date will be considered to be the submission. Alternatively, an earlier revision may be tagged with an appropriate name.

Team Structure

A team project is the major component of this course. The teams for this project will have four or five members, which will be chosen using a draft process as follows: I will choose one member from each team, those individuals will meet with me as a group and will choose the remaining members of their teams. You may form pairs (i.e., two people) yourself, and we will make every effort to keep each pair together on one team.

Each team will complete the same project.

Other Info.

- Late deliverables will not be accepted without prior arrangement or documented justification.

Engineering 7893 Course Information Sheet

- There *will* be project deliverables due in the last two weeks of class.
- Any complaints about marks, addition, recording etc., or special circumstances (e.g., illness, bereavement) must be brought to my attention before the last day of classes (Dec. 3).
- Academic dishonesty will, as a minimum result in a grade of zero for the offending work, and may be reported to the Dean for treatment through the prescribed formal process. Academic dishonesty includes copying, allowing your work to be copied, and failing to cite sources.
- Note that copying or otherwise referring to software or documents produced by previous students in this course without explicit permission from Dr. Peters will be considered to be academic dishonesty.
- Asking questions is strongly encouraged.
- Comments, suggestions and constructive criticisms are always welcome.