

# ENGR. 9869 - Advanced Concurrent Programming

## Course Information Sheet

Memorial University of Newfoundland

Fall, 2007

**Instructor** Dennis Peters, [dpeters@engr.mun.ca](mailto:dpeters@engr.mun.ca), EN-3061, 737-8929.

**Lectures** Monday, Wednesday, Friday 0900–0950 in EN1000.

**Office hour** Monday, Wednesday 1500–1600, or by appointment.

**Web page** <http://www.engr.mun.ca/~dpeters/9869/>  
—check here for useful information.

## Evaluation Scheme & Approximate Dates

<b>Assignments</b>	20%	Sep. 21, Oct. 5, Oct. 19, Nov. 23
<b>Mid-term</b>	10%	Oct. 10
<b>Project</b>	15%	Proposal Sep. 19; Due Nov. 16
<b>Final exam</b>	45%	TBA
<b>Better of Midterm &amp; Final</b>	10%	

## Textbook

- [1] Gregory R. Andrews. *Foundations of Multithreaded, Parallel, and Distributed Programming*. Addison-Wesley, 2000.

## References

- [1] M. Ben-Ari. *Principles of Concurrent and Distributed Programming*. Prentice-Hall, 1990.
- [2] Hassan Gomaa. *Designing Concurrent, Distributed, and Real-Time Applications with UML*. Addison-Wesley, 2000.
- [3] Vipin Kumar, Ananth Grama, Anshul Gupta, and George Karypis. *Introduction To Parallel Computing : Design and Analysis of Parallel Algorithms*. Benjamin/Cummings, 1994.

- [4] Harold W. Lawson. *Parallel Processing in Industrial Real-Time Applications*. Prentice-Hall, 1992.
- [5] Jeff Magee and Jeff Kramer. *Concurrency - State Models and Java Programs*. John Wiley & Sons, 1999.
- [6] David A. Patterson and John L. Hennessy. *Computer Architecture: A Quantitative Approach*. Morgan Kaufmann, second edition, 1996.
- [7] Abraham Silberschatz and Peter B. Galvin. *Operating System Concepts*. Addison-Wesley, fourth edition, 1994.
- [8] Andrew S. Tanenbaum. *Distributed Operating Systems*. Prentice Hall, 1995.
- [9] Andrew S. Tanenbaum and Maarten van Steen. *Distributed Systems Principles and Paradigms*. Prentice Hall, second edition, 2007.

## Other Info.

- Assignments are due by 8:55 am on the due date. Late assignments will not be accepted without prior arrangement or documented justification.
- There *will* be an assignment due in the last two weeks of class.
- Calculators, computers, electronic translators/dictionaries and other aids will not be permitted to be used in the mid-term or final exam.
- Any complaints about marks, addition, recording etc., or special circumstances (e.g., illness, bereavement) must be brought to my attention before the final exam. No reconsideration of marks other than the final exam will be made after the exam has been written.
- 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.
- Asking questions is strongly encouraged.
- Comments, suggestions and constructive criticisms are always welcome.