

SE3BB4
Software Design III: Concurrency
Winter 2013

- Instructor:** Michael Soltys
Office: ITB-214, Ext: 27769
Email: soltys@mcmaster.ca
Office hours: We & Th 14:30–15:30
- TAs:** Dragan Rakas — rakasd@mcmaster.ca
- Lectures:** Mo 8:30–10:20 in BSB/136 & Th 12:30–13:20 in T13/125
First lecture Monday Jan 7, 12:30–13:20 in T13/125
Second lecture Thursday Jan 10, 12:30–13:20 in T13/125
- Tutorials:** Mo 12:30–13:20 & Tu 13:30–14:20 in T13/125
Starting second week of classes
- Web Page:** <http://www.cas.mcmaster.ca/~soltys/se3bb4-w13>
- Recommended Text Books:** *Principles of Parallel Programming* (1st edition)
2009, Published by Pearson Education
- Course Description:** Processes, threads, concurrency; Synchronization mechanisms, resource management and sharing; Objects and concurrency; Design, architecture and testing of concurrent systems. The mission of this course is to give students an understanding of the basic techniques of concurrent system design and to introduce students to the appropriate modelling and analysis techniques. A mixture of theory and programming assignments in **Python**.
- Marking Scheme:** 2 midterms, worth 15% each, 2 programming assignments worth 15% each, and a final exam, worth 40%. No aids will be allowed for the midterms and the final exam. Missed work will be given a mark of zero, unless proper justification is provided. The instructor reserves the right to conduct a missed midterm orally. You will learn **Python** on your own.
- Academic Integrity:** Academic dishonesty consists of misrepresentation by deception or by other fraudulent means and can result in serious consequences, e.g., the grade of zero on an assignment, loss of credit with a notation on the transcript (notation reads: “Grade of F assigned for academic dishonesty”), and/or suspension or expulsion from the university. It is your responsibility to understand what constitutes academic dishonesty. For information on the various kinds of academic dishonesty please refer to the Academic Integrity Policy, specifically Appendix 3, located at http://www.mcmaster.ca/senate/academic/ac_integrity.htm
The following illustrates only three forms of academic dishonesty: 1. Plagiarism, e.g. the submission of work that is not one’s own or for which other credit has been obtained. 2. Improper collaboration in group work. 3. Copying or using unauthorized aids in tests and examinations.

Please Note: The instructor and university reserve the right to modify elements of the course during the term. The university may change the dates and deadlines for any or all courses in extreme circumstances. If either type of modification becomes necessary, reasonable notice and communication with the students will be given with explanation and the opportunity to comment on changes. It is the responsibility of the student to check their McMaster email and course websites weekly during the term and to note any changes.