Fall/Winter 2010

# Research directions in computing

**Description**
Computer Science in an exciting and wide ranging discipline, many of whose topics will not be introduced in any technical depth until upper year courses (if at all). This course consists of a set of invited lectures by researchers in the department and a set of other organised events that will introduce the students to the breadth of computer science.

The course is organised around a series of invited talks by individual researchers and research groups, as well as a number of laboratory tours and other events that will introduce students to specific research directions in computer science, issues related to professionalism and professional societies, and opportunities to become engaged in different research and technical groups and events related to computer science.

Formally, the course consist of 13 one-hour lectures spread over two terms. The first lecture will be organizational in nature. The remaining 12 lectures will be invited lectures by researchers (or research groups) in computer science, representatives of specific interest groups associated with computer science (e.g., Engineers Without Borders, Canadian Information Processing Society, etc.), work-study/internship/student exchange programs, and representatives of volunteer/other organizations that seek out technically literate students as volunteers.

In addition to these 13 formal meetings, a set of other extracurricular events will also be organised including research lab tours, visits to local industrial sites (e.g., IBM), special lectures directed at specific technical problems often encountered by students (e.g., running LINUX at home), etc.

This course is offered on a pass-fail basis only.

**Instructor**
Michael Jenkin
Sherman Health Science Building #1028
Office Hours: Wednesday 3-4pm
email: jenkin@cse.yorku.ca

All emails should have CSE1001 in the subject line.

**Course meetings**
Classes will be held (roughly) every other week in CB121 W16:30-17:30. Scheduling can change with little notice. You are responsible for checking the course web page (provided via moodle) for details.

**Required text**
There is no required text for this course.

**Grading**
This course is offered on a pass-fail basis only. In order to pass you must obtain 15 points. Points can be obtained in a number of ways, one way is by attending the 13 organized course meetings. (The perceptive student will observe that it is not possible to pass the course by only attending the class meetings. Although it will be easy to fail the course if you miss the lectures.) A number of extra-curricular activities will be held throughout the year. Some of these can be used to acquire one or more points. It is your responsibility to ensure that you receive points for the various course components. Some events will have limited enrolment. As events are scheduled details will be posted on the course web page.