CSc 422/522 — Final Project

Description due Thursday, April 22

Demonstration by May 11; report or paper due May 11

Grading weight of 60 points for undergrads and 75 points for grads

For your final project, you are to do one of the following:

- Design and implement a distributed program that makes creative use of several processes. You may use SR, of course, or you may use another language, such as Java or C plus a message passing library (sockets, MPI).
- Write a paper that analyses some aspect of concurrent programming; for example, you could study, use, and report on some other concurrent programming language, such as one of those summarized in the text.

The choice of topic is purposely unspecified; pick something that *you* think would be interesting and educational. You may work on your own or with one other classmate; two person groups are expected to undertake a more ambitious project. Undergraduate students are not expected to do as ambitious a project as graduate students.

The attached sheet describes several possible programming projects. Many of the other exercises in Chapter 10 of *Concurrent Programming* address topics that could be the basis for a paper.

No later than April 22, give me a brief (paragraph or two) description of what you propose to do; it would be fine to send it by email. I will give you feedback on your proposal by the next class.

If you do a programming project, I would like to see a demonstration. (A sign-up list for demos will be posted in early May.) To the demonstration bring:

- a written description of your project and an assessment of what you learned,
- a block diagram showing the structure of your program, and
- a well-commented program listing.

If you write a paper, it should be about 10-15 pages in length, be your own original writing, and contain a good reference list of the papers/books you consulted in writing the paper.