Professor Olof Widlund  
Office: CIWW 712  
Phone: 998-3110  
Electronic mail: widlund@cs.nyu.edu  
Course URL: http://www.cs.nyu.edu/courses/spring01/V22.0421-001/index.htm  
Office Hours: Just after class or by appointment. Contact by e-mail often works very well too.

Class attendance.  
I expect you to either be in class or to send me an e-mail message explaining your absence.

Homework assignments and policy on working together.  
There will be 7 or 8 homework assignments, most of which will involve programming and, often just as importantly, written discussion of the results. Your written comments should be prepared using a word processor. All parts of the assignment should be submitted at the same time and the various pages should be stapled together or organized together in a folder or envelope. Assignments will be accepted up to 7 days late with a 20% penalty. Assignments will not be accepted more than 7 days late.

You are expected to do the homework on your own. It is fine, in fact often very helpful, to discuss course issues or get assistance when debugging from other students, but the work you hand in should be your own. If you get an idea from someone else that you use in your own work, this is OK, but you must acknowledge this person in writing, stating in your written discussion who gave you what idea. If you are not sure whether something is cheating or not, ask your instructor! Students who spend little time on the homework invariably do poorly on exams and end up with a poor final grade.
**Homework set 1: Due February 6.**

All except one is from Heath’s book.

- Paper and pencil problems: 1.2, 1.4, 1.8, 1.10, 1.16, 1.17, and 1.21 on pp. 29–30.

- Computer problems on pp. 31–33: 1.5, 1.11, and 1.14. (They should preferably be done in MATLAB.)

- Give as full an explanation as you can for the Fibonacci experiments carried out in class. What is the first value of $n$ when we see the effects of rounding errors and why does it happen at for that particular $n$? Why do these errors cause such a problem when we run the recursion backwards? Also try to explain why the errors are of that particular order of magnitude by doing some mathematics.