

General Information

- Classroom:** Thornton 102
- Time:** Monday and Wednesday
1:15–2:30 PM
- Instructor:** Peter J. Haas
Terman Engineering Center, Room 367
(408) 927-1702 (off-campus emergency number)
phaas@stanford.edu
Office Hours: Monday 3pm–4pm and Wednesday 11am–12pm
- Course Assistants:** Pete Meindl (Primary CA)
Terman Engineering Center, Room 491
pmeindl@stanford.edu
Office Hours: Tuesday 1pm–2pm and Thursday 11am–12pm
- Jeffrey Sadowsky (Grader)
Terman Engineering Center, Room 477
sadowsky@stanford.edu
Office Hours: Friday 1pm–3pm (April 14 onwards)
- Administrative Support:** Susan Burgenbauch
Terman Engineering Center, Room 351
susanb@stanford.edu
Hours: 9:30am–4:30pm
- Course Web Site:** www.stanford.edu/class/msande223 (**Check regularly!**) Handouts are posted prior to class. Lecture notes are posted periodically. Also posted is a sample simulation program (code & executable).
- Required Text:** L. M. Leemis and S. K. Park, *Discrete-Event Simulation: A First Course*, Pearson Prentice Hall
- Optional Texts:** A. M. Law and W. D. Kelton, *Simulation Modeling and Analysis*, 3rd Edition, McGraw Hill.
- P. J. Haas, *Stochastic Petri Nets: Modelling, Stability, Simulation*, Springer-Verlag.
- S. M. Ross, *Introduction to Probability Models*, 8th Edition, Academic Press.
- Reserve Books:** On reserve shelf at Terman Engineering Library.
- Prerequisites:** Basic calculus-based probability (e.g., MS&E 120 or Stat 116) and statistics (e.g., Stat 110). A course on stochastic models such as

MS&E 121 or Statistics 217 is helpful, but not necessary. Knowledge of a programming language (C/C++ or Java preferred) is needed for weekly to bi-weekly simulation programming projects. MATLAB, spreadsheets, etc. will not suffice. Depending on demand, there will be optional review sessions on programming and basic probability and statistics. (See the class web site for handouts on basic probability and statistics and compiling C programs in Visual C++ and .Net.)

Homework:

Problem sets generally will be assigned Wednesday and be due the following Wednesday by 5pm. Late papers will not be graded, but should be handed in to obtain some credit. Do **NOT** leave assignments under Prof. Haas' door---either turn them in at the end of class on the day that they are due, give them to Susan Burgenbauch in Terman 351 (up to 4:30pm), or give them to Pete Meindl in Terman 491. SCPD students may fax their assignments to SCPD, email their assignments to Pete Meindl (meindl@stanford.edu), or, if available, send their assignments to SCPD by courier on the morning of the day that homework is due. If emailing, submit your assignment as a **single** file, and not multiple files. (On-campus students must turn in hard copies of assignments.)

**Homework
Collaboration:**

Some problems will require computing; for such problems, you may work in teams of two. Each student should hand in a copy of the computer program and a *summary* of the resulting output (do not hand in reams of output), clearly indicating the names of the team members. For all other problems, you may not read or copy anyone else's solution, past or present. However you may discuss homework problems with others; indeed, you are encouraged to do so. However, if you do, indicate in your written solution, problem by problem, those with whom you discussed the problem.

Computing:

Open a computer account on LELAND if you need one.

Mailing List:

Each student should subscribe to the course mailing list. We will attempt to subscribe you automatically. If you are not receiving emails and would like to subscribe manually, send an email to majordomo@lists.stanford.edu with a blank subject line and "subscribe msande223" in the first line of the message body.

Examinations:

Midterm exam on Wednesday, May 10, 2006, in class.
Final exam on Wednesday, June 9, 2006, as per Time Schedule.
Local SCPD students are required to attend exams.

Course Grading:

Homework 35%; Midterm 30%; Final exam 35%