

# Math 384 B1 (MWF at 9:00; 159 Altgeld Hall)

Course Information — Spring 2002

Keep this sheet for reference during the semester

INSTRUCTOR: Ward Henson

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OFFICE HOURS: MWF 11:00 – 11:30, Tu 2:00 – 3:00, Th 1:00 – 2:00, as well as by appointment.

There will be review sessions before exams.

COURSE INFORMATION ON THE WEB: <http://www.math.uiuc.edu/~henson/>

REQUIRED TEXT: *The Mathematics of Nonlinear Programming* by Peressini, Sullivan, and Uhl; Springer-Verlag, 1988. We will cover most sections in the first 6 chapters of this book.

READING ASSIGNMENTS, HOMEWORK AND QUIZZES: there will be regular reading assignments; lectures will assume that students have done the reading before coming to class.

Homework problems will be assigned at every class; solutions to the homework will be handed out periodically.

Each Friday there will be a 15 minute quiz on homework problems assigned during the previous week. The first quiz will take place on January 25. There will be a total of 10 quizzes during the semester.

EXAMS: There will be three in-class hour exams during the semester and a three hour final exam:

**Exam 1:** Friday, February 15; covers chapter 1, sections 1–5, and chapter 2, sections 1,3–5.

**Exam 2:** Friday, March 29; covers chapter 3, sections 1-2, chapter 4, sections 1–3, and chapter 5, section 1.

**Exam 3:** Friday, April 26; covers chapter 5, sections 1–4, and chapter 6, sections 1–2.

**Final Exam:** 8–11 am, Saturday, May 4; covers the entire course.

GRADING: The total for the semester is 600 points, broken down as follows: Hour tests = 300 points (100 points each); final exam = 200 points; quizzes = 100 points. You can retrieve your scores during the semester using the campus Gradebook computer system (instructions to be given out later).

LATE WORK: No late work is accepted, and makeup quizzes and exams are not possible. Excuses based on documented solid reasons (illness, family difficulties, university athletic trips, job trips, etc) are possible; in such cases grades will be based on the remaining work.

ADDITIONAL CREDIT: Graduate students who want to earn a full unit for this course should speak to the instructor before January 25.

PREREQUISITES: Several variable calculus (Math 242 or 245), including Taylor's formula, and linear algebra (Math 315 or equivalent). Math 384 depends heavily on this background.