

# Mathematics 524, Fall 2001

## Nonlinear Optimization

LC 401, Tues-Thurs. 12:30p.m. - 1:45p.m

INSTRUCTOR: Ralph Howard      OFFICE: LC 304      PHONE: 777-2913

OFFICE HOURS: TTh 2:00-3:00p.m. W 2:00-3:00p.m. and by appointment.

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TEXT: *The Mathematics of Nonlinear Programming* by Peressini, Sullivan, and Uhl.

CLASS WEB PAGE: <http://www.math.sc.edu/~howard/Classes/524b/>

COMPUTER ACCOUNTS: Some of the homework will require computer programming and you will receive accounts for the term on the mathematics department machines.

**Tests:** There will be three midterms and a final. The midterms count for 100 points each and the final is 150 points. The dates of the tests are

Test 1	Thursday, September 20
Test 2	Thursday, October 21
Test 3	Thursday, November 25
Final	Thursday, December 10, 2:00p.m.

**Homework and quizzes:** Homework will count for 100 points. Part of the homework grade will be in class quizzes. Usually these quizzes will be on definitions, facts, or theorems that you should know. Generally it will be announced in the previous class what will be on the quiz. *Note that the homework counts as much as a test, so it is important that you do it.*

**Projects:** There will be two longer projects, most likely involving a little computer programming, which will count for 25 points each.

**Grading:** There is a total of 600 points possible for the term broken down as follows:

Three midterms @ 100 points each	300 points
Total for homework and quizzes	100 points
Two projects @ 25 points each	50 points
Final	150 points
Total	600 points

**There will not be make up exams or quizzes:** If you miss a test, then your score on that exam is 75% of the average of your other test scores including the final. Likewise I will not take late homework.