

**Math 269 – Introduction to Linear Programming
Syllabus – Spring 2008**

INSTRUCTOR: Robert Hunt
OFFICE: Hume 318

E-MAIL ADDRESS: rhunt@olemiss.edu
OFFICE HOURS: MWF 11:00-12:00, T 11:00-1:00

TEXT: Bernard W. Taylor, III: *Introduction to Management Science*, 8th Ed. (Second Custom Edition for UM)

- TESTS:**
1. There will be four major tests during the semester. Each test will count 100 points. The test questions will be similar in format to the examples in class and the homework problems.
 2. Homework assignments/quizzes will count as a 100-point test grade. Students must be in class on the day that a homework assignment is due. Homework assignments are due at the beginning of class. Papers must be neat to receive credit.
 3. The final examination is comprehensive and will count 200 points.

VERY IMPORTANT:

1. If a test is missed for ANY reason, a grade of 0 will be given. There will be absolutely NO make up tests given for ANY reason.
2. The lowest of the four major test grades will be dropped at the end of the semester. Please note that the homework grade cannot be dropped.
3. Any person who must miss a scheduled exam because of an official University function must reschedule and take this exam at a time BEFORE the exam is scheduled to be given. NO OTHER rescheduling will be allowed.
4. An "I" grade will not be given without the permission of the Department of Mathematics.
5. Students must show all work for each test question and arrive at a correct answer.
6. Any student having three or more final examinations scheduled for the same day will arrange with the instructor to take the 12 noon examination or the 7:30 p.m. examination on some other mutually satisfactory date. Please note that only the 12:00 noon and the 7:30 p.m. examinations may be rescheduled for this reason.
7. Every student must take the final exam at the time scheduled. The only exceptions are those students affected by # 3 or # 6 above. The final exam for MATH 269-01 is at noon on Thursday, May 8th.

FINAL GRADE: The cumulative point total for the tests, homework, and final examination is 600 points: 300 tests (after dropping one), 100 homework, 200 final. The following point scale will be used to determine your final grade.

Grade	Points Necessary for Grade
A	540 = 90% of 600
B	480 = 80% of 600
C	420 = 70% of 600
D	360 = 60% of 600
F	Below 360

SPECIAL NOTE: Students must take the responsibility of telling the instructor in advance if they must leave early and must discuss with the instructor immediately after class if they entered the classroom after class has begun. It is the student's responsibility to make sure the attendance record is correct.

Calculators: Graphing calculators are welcome in our classroom. Please note, however, that calculators with a Computer Algebra System and/or a QWERTY keyboard are not allowed during tests. This includes, but is not limited to, the TI-89, the TI-92, and the Casio Algebra FX 2.0.
Cell phone calculators are prohibited.

ELECTRONIC DEVICES: All cellular phones, pagers, and other electronic equipment should be turned off during the class period, during movies, in churches, bookstores, restaurants, elevators, grocery stores, and especially while operating a motor vehicle.

Cheating: The following statement is the policy of the Department of Mathematics in Math 269 regarding cheating:

Offenses: Cheating on any exam or quiz, theft or attempted theft of exam questions, possession of exam questions prior to the time for examination, or the use of an illegal calculator on tests or quizzes shall all be offenses subject to appropriate penalties.

Penalties: The penalty for commission of any offense set out above is failure in the course and, subject to the approval of the Chancellor, dismissal or suspension from the University.

WITHDRAWAL DEADLINE FOR SPRING 2008 SEMESTER: Wednesday, February 27th. After the course withdrawal deadline, courses dropped will be recorded on University records and the W grade will be recorded if the student is not failing the course at the time of withdrawal; otherwise the grade recorded will be F. After the course withdrawal deadline, a student may drop a course only in cases of extreme and unavoidable emergency as determined by the academic dean; dropping a course after the deadline will not be permitted because of dissatisfaction over an expected grade or because the student is changing his/her major.

ACADEMIC NEEDS: It is the responsibility of any student with a disability who requests a reasonable accommodation to contact the Office of Student Disability Services (915-7128). Contact will then be made by that office through the student to the instructor of this class. The instructor will then work with the student so that a reasonable accommodation of any disability can be made.

EXPECTED STUDENT LEARNING OUTCOMES: Students who successfully complete Math 269 should be able to devise a standard linear programming model and solve graphically or with the simplex method. Students should also be able to investigate the important information in a linear programming problem available through sensitivity analysis.

SPECIAL DATES:

Spring Break: Monday, March 10 - Friday, March 14

Good Friday: March 21

Classes end: Friday, May 2

Final Exams: Monday, May 5 - Friday, May 9

TENTATIVE TEST DATES FOR MATH 269

TEST 1 (Friday, Feb 8) Chapter 1 - Linear Programming: Model Formulation and Graphical Solution

TEST 2 (Wednesday, Feb 27) from Chapter 2 – The Simplex Solution Method

TEST 3 (Friday, Apr 4) more from Chapter 2 – The Simplex Solution Method continued

TEST 4 (Monday, Apr 28) Chapter 3 - Alternate Problems (Transportation, Assignment, etc.)

FLEXIBILITY CLAUSE: The aforementioned requirements, assignments, policies, procedures, etc. are subject to change.