Math 269 – Introduction to Linear Programming
Syllabus – Spring 2017

INSTRUCTOR: Robert Hunt   **E-MAIL ADDRESS:** rhunt@olemiss.edu
OFFICE HOURS: By appointment in Jackson Avenue Center A04 (inside the Math Lab)

TEXT: No book required, but a good reference is *Introduction to Management Science* by Bernard W. Taylor, III (any edition should be ok)
Print 2 or 3 copies of the question set on Blackboard and bring to each class.

ASSESMENT:
1. There will be two major tests during the semester. Each test will count as 20% of the overall course grade. The test questions will be similar in format to the examples in class and the homework problems.
2. Quizzes and homework assignments will count as 15% of the overall course grade. Students must be in class on the day that a quiz or homework assignment is due. Homework assignments are due at the ***beginning*** of class. Papers must be neat to receive credit.
3. There will be a course project worth 15% of the overall grade.
4. The final examination is comprehensive and will count as 30% of the overall grade.

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 two major test grades will be replaced with the score on the final exam (if the final exam grade is better). Note that the final exam will still count as the final exam no matter what. Further note that the quiz/homework grade and project grades 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. 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.
6. Every student must take the final exam at the time scheduled. The only exceptions are those students affected by #3 or #5 above.

FINAL GRADE: The following scale will be used to determine your final grade.

Grade	Percentage
A	90% & above
A-	88-89.99%
B+	86-87.99%
B	80-85.99%
B-	78-79.99%
C+	76-79.99%
C	70-75.99%
C-	68-69.99%
D	60-69.99%
F	below 60%

ELECTRONIC DEVICES: All cellular phones, pagers, and other electronic equipment should be silenced and stowed during the class period, during movies, in churches, bookstores, restaurants, and especially while operating a motor vehicle. Tablets may be used in class if you use them for notes.

CALCULATORS: Graphing calculators are welcome in our classroom (though not needed). 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, the TI-NSPIRE, and the Casio Algebra FX 2.0. Cell phone calculators are prohibited. A cheap 4-function calculator should be sufficient, though most students prefer at least a scientific calculator.

ACADEMIC DISHONESTY:
The following statement is the policy of the Department of Mathematics regarding cheating:
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. 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: Friday, March 3rd. 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 and with the simplex method. Students should also be able to investigate the important information in a linear programming problem available through sensitivity analysis.

ATTENDANCE POLICY:
It is the philosophy of both the Department of Mathematics and the University that regular class attendance is conducive to learning and mastering the material. We suggest attending each and every class; however, we realize that this is an unrealistic expectation of some students. Attendance in this class will be <u>recorded</u> for information purposes, and it will be <u>reported</u> to the University as per policy. However, there is no punitive attendance policy in this course, and thus your grade will not be explicitly reduced due to your number of absences. Please understand that there is often material that presented in class that is not presented elsewhere, and you are responsible for **ALL** material presented in class. Attendance will be recorded using the automated attendance scanners located in the classroom. Attendance will be taken by scanning your student ID card on one of the scanners in the classroom. Students must make sure that the screen says "Scan Successful" when they scan their ID. Keep in mind that the scanner beeping does not give any indication on whether or not a scan was successful. Students may scan in to class beginning 10 minutes before class and no later than 5 minutes after the start of class. Students can view their absences and scan logs at *attendance.olemiss.edu*. Please note students <u>are not</u> allowed to scan for other students. Also, scanning in and leaving before the end of a lecture will not be tolerated. If you are not going to be able to stay for an entire lecture, then do not scan in. Any attempt at attendance fraud will be reported to the University, and appropriate actions will be taken. **<u>Note: As per the new university policy dictated by federal guidelines, students who do not attend within the first two weeks may be administratively dropped from the course.</u>**

TEST DATES: Your instructor will let you know in class at least a week ahead of time.

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