Finite Mathematics: Math 1630 syllabus

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1 prerequisite
Two years of high school algebra and a Math Enhanced ACT greater than 25 or Math 141.

2 Textbook
Finite Mathematics, 10th Edition by Lial, Greenwell and Ritchey.

3 Purpose
This course is designed to help students develop basic skills and concepts in college mathematics necessary for the managerial, social and life sciences.

4 Objectives
Upon completion of this course, students will have used:

1. Probabilistic methods and models
2. Linear programming methods and models
3. Vector and matrix methods and models
4. Mathematics of finance to solve certain types of problems that arise in business, finance, and related areas where mathematical modelling is used.

5 The things to remember in this course
1. Thou shalt not divide by zero.
2. Though shalt not put other textbooks before thee in this class.

3. Thou shalt show thy work, check thy work and confirm that thy results are reasonable.

4. Remember thy test days and prepare for them wholly.

5. Thou shalt honor the correct order of operations.

6. Thou shalt do thy math homework.

6 TOPICAL OUTLINE

This course consists of selected topics from Chapters 1, 2, 3, 4, 5, 6, 7 and 8 in the required text, including solving systems of linear equations, Leontief models, linear programming, mathematics of finance, set theory and probability theory.

7 Schedule of classes

7.1 June: Week one
Monday Housekeeping 1.1, 1.2, 1.3
Tuesday 1.4, 2.1
Wednesday 2.2, 2.3, 2.4
Thursday Test one, 2.5

7.2 June: Week two
Monday 2.6, 3.1
Tuesday 3.2, 4.1
Wednesday 4.2, 4.3
Thursday Test two, 5.1

7.3 June: Week three
Monday 5.2, 5.3
Tuesday 5.4, 5.5, 6.1
Wednesday 6.2, 6.3
Thursday Test three, 6.4
7.4 June: Week four

Monday 6.4, 6.5,
Tuesday 6.5, 6.6
Wednesday 7.1, 7.2
Thursday Test four 7.3

7.5 July week one

Monday 7.4, 7.5, 8.1
Tuesday 8.2, 8.3, 8.4
Wednesday Review
Thursday Final comprehensive examination

7.6 Office hours:

I will always be available to you during the office hours. I strongly encourage you to come to me first to get help outside of class. Please do not ever get behind because of lack of understanding. I always want to do my best to help you understand this thing called math. If your available time and mine do not match, then there are other alternatives for help outside of class. Also always feel free to leave messages on my phone mail.

7.7 Study Groups:

I strongly encourage you to make a friend or friends in class that you can get together with outside class. One of the best ways to study and to learn is by helping each other.

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From the items above, I hope it is obvious that your success is of utmost importance to all of us here. There is never a need to feel lost because of lack of understanding. There are so many ways for you to obtain math tutoring outside of the regular classroom. There is always some type of math help available. As long as you are being responsible for your learning by attending class, doing the assigned homework and classroom activities, asking questions in class, and seeking help outside of class from me, the Math lab services and your fellow classmates, success will be yours!!!!

8.1 You are responsible for the homework assignments

Do the homework assignment before attending lectures. The lecture periods will be used to clarify and re-emphasize previous material and introduce new
material. If you fail to come to class, you will not only miss the lectures, but will also miss the quizzes. You will consequently receive a poor grade, not because you cannot do math, but because you failed to show up in class. Remember, there is a strong positive correlation between attendance and performance. It has also been determined that for each hour in class, one should spend at least one hour and 15 minutes studying and reviewing outside of class. Be sure to allow time to do your course work, to ensure success.

8.2 Calculators:
Graphing calculators(TI-83+ or TI-84 preferred). But you required to have at least a scientific calculator.

8.3 Attendance is required
Attendance will be included in the quiz grade. Quizzes count 20% of your grade. I will drop 2 quizzes at the end of the semester. If you do not plan to attend lectures regularly, you are advised to withdraw.

8.4 Withdraw
You bear the sole responsibility for withdrawal from this course just as you did when you register for the course.

8.5 Classroom Behavior:
I will not tolerate the class room teaching/learning process to be disrupted. When I am teaching, I expect my students to be actively listening, in order to answer questions I may ask of them. Talking to one another while I am teaching is not permitted. If you have a question while I am lecturing, ask that question of me, not your friend beside you. If you feel the need to come to class and visit with your friends, If your behavior makes another student uncomfortable, you will lose 75% attendance points for that day of class.

8.6 It is extremely important for each student to be in class on time.
Not only is the class disrupted by latecomers, the late student misses out enough time quizzes, misses being counted for attendance, and any instructions given at the beginning of class. I will not tolerate the learning process of any student to be interrupted by lack of respect and consideration from a small few.
9 Grading procedures

9.1 quizzes/attendance
A quiz will be given in each class period. Quizzes will be given at different times during class. (sometimes at the beginning, in the middle, or at the end). The quizzes will also be used for attendance purposes. **Quizzes will count 20% of your final grade. Quizzes may not made up for any reason.** I will drop two quizzes at the end of the semester.

9.2 Tests
There will be four tests that cover the topics of the text. Any test may be taken early or later if you notify me in advance. Any missed test will count as zero. Tests will count 60% of the final grade.

9.3 Final Examination
A comprehensive final exam will be given. The final may be taken early, but cannot, under any circumstances, taken late. The final exam will count 20% of the final grade.

9.4 Final Grade
The final grade is calculated by adding: (5% attendance) + (20% of the quiz average) + (60% of the test average) + (15% of the final exam score). Grades will be based approximately on the following scale:

90-100 A, 80-89 B, 70-79 C, 60-69 D, Below 60 F.

The **Grade I** indicates that the student has not completed all course requirements because of illness or other uncontrollable circumstances especially which may occur toward the close of the term. **Mere failure to make up work or turn in required work on time does not provide a basis for the grade I** .

9.5 Tennessee Education Lottery Scholarship eligibility
To retain Tennessee Education Lottery Scholarship eligibility, you must earn a cumulative TELS GPA of 2.75 after 24 attempted hours and a cumulative TELS GPA of 3.0 thereafter. A grade of C, D, F, or I in this class may negatively impact TELS eligibility. Dropping a class after one and half weeks may also impact eligibility;
10 Please note the following dates and information

Last day to drop the course without a grade—see current academic calendar Last day to drop with a "W"—see current academic calendar If you have a disability that may require assistance or accommodation, or you have questions related to any accommodations for testing, note takers, readers, etc., please speak with your instructor as soon as possible. Students may also contact the Office of Disabled Students Services (898-2783) with questions about such services.