Math 1630 Course Syllabus

Course Title:
College Mathematics for Managerial, Social, and Life Sciences

Course Description:
Three credits. This course satisfies the General Education Mathematics requirement and meets specific requirements for programs as outlined in the MTSU Undergraduate Catalog. Topics include solving systems of linear equations, Leontief models, linear programming, mathematics of finance, set theory, and probability theory.

Course Prerequisites:
Two years of high school algebra and a Math Enhanced ACT score of at least 25 or a passing grade in Math 1710.

Instructor Information:
Instructor:
Office:
E-mail/Phone:
Office Hours:
Webpage:

Attendance Policy:
MTSU Administration requires that instructors complete an attendance report for each course each semester. Regular class attendance is required and will be monitored by: the D2L system report; participation in the discussion board; and timely submission of course assignments. If several class assignments submissions are missing, student attendance will be reported as “no longer attending.”

Required Materials:
Textbook: Finite Mathematics, 12th edition, by Lial, Greenwell, and Ritchey. You must purchase a MyMathLab access code. Your MML code will allow you access to the eText and the online homework. You may purchase the code at the campus bookstore, other area bookstores, or the MML website. Please wait for confirmation from your instructor to purchase the book or MML.

Supplementary Materials:
A TI-83/84 calculator is required for this course.

Objectives:
Upon completion of this course with a passing grade, the student will have:
• Use mathematics to solve problems and determine if the solutions are reasonable.
• Use mathematics to model real world behaviors and apply mathematical concepts to the solution of real-life problems.
• Make meaning connections between mathematics and other disciplines.
• Use technology for mathematical reasoning and problem solving.
• Apply mathematical and/or basic statistical reasoning to analyze data and graphs.
• Have enhanced ability to reason mathematically and enhanced problem solving skills.
• Be able to apply algebraic and matrix methods to the solution of practical problems, including understanding reasonableness of answers and problem assumptions.
• Have enhanced ability to use the graphing calculator to better understand linear systems and linear inequalities.
• Have a better understanding of the mathematical tools to deal with compound interest and annuities.
• Have developed familiarity with vocabulary and concepts of present value, future value, and amortization.
• Be able to solve systems of linear equations by a variety of methods.
• Be able to solve linear programming problems both graphically and using the simplex method.
• Be able to apply counting principles in the computation of simple and compound probabilities.

Topics Covered:
• Functions and Applications
• Finance
• Systems of Linear Equations and Matrices
• Matrix Algebra
• Linear Programming
• Sets and Counting
• Probability Topics

Course Requirements/Participation:
In order to complete this course successfully, the learner is required to:

• Attend class lectures
• Participate in class activities
• Read and study class assignments
• Solve assigned problem sets
• Successfully complete quizzes and tests
• Use technology where appropriate

The following is expected of all students in this course:

• Put your MTSU email on your cellphone or check it multiple times a day.
• Reply to emails from your instructor in 24 hours or less.
• If you do not do the online homework, you will not pass this class.
• If you do not take the final exam, you will not pass this class.
Course Evaluation and Grading:
- Alternative assessments, such as, collaborative investigations, projects, presentations, homework, group work, etc. will account for 15 to 20% of the final grade.
- In-class quizzes and tests will account for 55-60% of the final grade.
- Departmental comprehensive final exam accounts for 25% of the final grade. Note: The final will only be given at the time noted below (under important dates) in the regular class meeting room. If you do not take the final exam you will automatically be assigned the grade of F for the course.

<table>
<thead>
<tr>
<th>Assignment</th>
<th>Points/Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>In Class Tests</td>
<td>45%-50%</td>
</tr>
<tr>
<td>Online Homework</td>
<td>25%-30%</td>
</tr>
<tr>
<td>Comprehensive Final Exam</td>
<td>25%</td>
</tr>
<tr>
<td>Other</td>
<td>0%-5%</td>
</tr>
<tr>
<td>Total</td>
<td>100%</td>
</tr>
</tbody>
</table>

Grading Scale:

<table>
<thead>
<tr>
<th>Percentage</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>90 – 100</td>
<td>A</td>
</tr>
<tr>
<td>80 – 89</td>
<td>B</td>
</tr>
<tr>
<td>70 – 79</td>
<td>C</td>
</tr>
<tr>
<td>60 – 69</td>
<td>D</td>
</tr>
<tr>
<td>Below 60</td>
<td>F</td>
</tr>
</tbody>
</table>

Important Dates:
Last Day to drop without a grade:

Last Day to drop with a W:

Final exam Time and Date:

Drop/Withdrawal Policy and Dates:
Please note the Drop Policy and Withdrawal procedures as they are stated in the Current Registration Guide. A grade of “I” will be given only in accordance with University Policy. No grade of “W” will be assigned after the official drop date except in situations involving extreme extenuating circumstances beyond the student’s control. In particular, a “W” will not be granted merely because the student is failing. Students should be aware that missing the official drop date and thereby receiving an “F” can have ramifications on financial aid.

General Conduct in Class:
The instructor has primary responsibility for control over all classroom behavior and can direct the temporary removal or exclusion from the classroom of any student engaged in disrupted conduct or conduct which otherwise violates the general rules and regulations of MTSU.
Judicial Statement / Academic Misconduct:

Academic misconduct is defined as plagiarism, cheating, fabrication, or facilitating any such act. For purposes of this section, the following definitions apply:

1. Plagiarism. The adoption or reproduction of ideas, words, statements, images or works of another person as one’s own without proper acknowledgement.

2. Cheating. Using or attempting to use unauthorized materials, information or study aids in any academic exercise. The term academic exercise includes all form of work submitted for credit or hours.

3. Fabrication. Unauthorized falsification or invention of any information or citation in an academic exercise.

4. Facilitation. Helping or attempting to help another to violate a provision of the institutional code of academic misconduct.

Academic misconduct will result in actions taken as defined by the MTSU code of Academic Integrity. A complete description of this code can be found at MTSU Student Conduct. In addition to other possibly disciplinary sanctions that may be imposed through regular institutional procedures as a result of academic misconduct, the instructor has the right to assign an F or a zero for the work in question, or to assign an F for the course. If a student believes he or she has been falsely accused of academic misconduct, and if his or her final grade has been lowered as a result, the student may appeal the case through the appropriate institutional procedures.

I am True Blue:
As a member of this diverse community, I am a valuable contributor to its progress and success. I am engaged in the life of this community. I am a recipient and a giver. I am a listener and a speaker. I am honest in word and deed. I am committed to reason, not violence. I am a learner now and forever. I am a BLUE RAIDER. True Blue!

Technical Support:
If you are having computer issues, the University has a help desk located in the KUC room 320 or by phone at 615-898-5345. Help with the online homework module is available from the textbook company. If you are having issues with your computer or the online homework, DO NOT wait. Get help getting it fixed! D2L Resources are available to MTSU students at this link.

Lottery Scholarship Policy:
Do you have a lottery scholarship? To retain the Tennessee Education Lottery Scholarship eligibility, you must earn a cumulative TELS GPA of 2.75 after 24 and 48 attempted hours and a cumulative TELS GPA of 3.0 thereafter. A grade of C, D, F, FA or I in this class may negatively impact TELS eligibility.

If you drop this class, withdraw, or if you stop attending this class, you may lose eligibility for your lottery scholarship, and you will not be able to regain eligibility at a later time. For additional Lottery rules, please refer to your Lottery Statement of Understanding form (here) or contact your MT One Stop Enrollment Counselor (here).
Free Tutoring:
Math tutoring for this course is available as a free service to MTSU students in KOM 252. Tutoring is fundamental to your success as a student. At every level of your academic journey, you will discover that tutoring assists your understanding, recollection, and application of what was presented in the classroom.

Take advantage of our FREE tutoring service and learn how to study, get help with understanding difficult course material, receive better test grades, or simply improve your grade point average. Tutoring is available in study skills and learning strategies that includes sessions on time management, notetaking, when and where to study, and memory principles. Tutoring is also available in over 200 courses including biology, history, computer information systems, physics, math, psychology, chemistry, economics, recording industry and many more. The central location for tutoring is the Tutoring Spot, located in Walker Library, but also conducted at various other campus sites. For available tutoring opportunities, visit Student Success tutoring website. For questions, call the tutoring spot at 615-904-8014.

Reasonable Accommodations for Students with Disabilities:
Reasonable Accommodations for Students with Disabilities: Middle Tennessee State University is committed to campus access in accordance with Title II of the Americans with Disabilities Act and Section 504 of the Vocational Rehabilitation Act of 1973. Any student interested in reasonable accommodations can consult the Disability & Access Center (DAC) website and/or contact the DAC for assistance at 615-898-2783 or dacemail@mtsu.edu.

Grade Appeals:
University Policy 313, Student Grade Appeals, provides an avenue for MTSU students to appeal a final course grade in cases in which the student alleges that unethical or unprofessional actions by the instructor and/or grading inequities improperly impacted the final grade.

Title IX
Students who believe they have been harassed, discriminated against or been the victim of sexual assault, dating violence, domestic violence or stalking should contact a Title IX/Deputy Coordinator at 615-898-2185 or 615-898-2750 for assistance or review MTSU’s Title IX website for resources. MTSU faculty are concerned about the well-being and development of our students and are legally obligated to share reports of sexual assault, dating violence, domestic violence and stalking with the University’s Title IX coordinator to help ensure student’s safety and welfare.

Instructors Discretion
The instructor may opt out of using My Math Lab for the assigned homework in this course. If your section of the class does not use MML for the assigned homework, you will receive a syllabus with updated grading scale and homework policy the first day of class. Most classes will use MML and you will not know until the first day of class if your section is not using MML.