ISYE 3025 Engineering Economy
Fall 2026 Course Syllabus, Section C11

Instructor: Dr. Katundu Imasiku, kimasiku3@gatech.edu, **Office Hours:** By appointment, George Tower, Research Lab Room #: 1608.

Class Meetings: In person

Official Course Description and Objective: Methods of economic analysis in engineering, including time value of money, equivalence, economic measures of worth, selection rules for alternatives, income taxes and equipment depreciation, inflation, and uncertainty.

Textbooks: None
(however, the recommended textbook is by upon Newnan, Donald G., Eschenbach, Ted G. and Lavelle, Jerome P. *Engineering Economic Analysis* (Eleventh Edition). Oxford University Press: Oxford. 2011.)

We will use Canvas to communicate important dates and deadlines. Please make sure you are receiving important class e-mails via the course's distribution list. We will use Canvas exclusively for this class, including announcements, course material, and online quizzes & tests. The link to Canvas: https://gatech.instructure.com/

Additional materials will also be available at: https://www.isye.gatech.edu/engecon The videos and slides are supplementary material; the description on the right side (in which T-Square is mentioned) does not apply to this class.

Grading: Contribution to Course Grade
Online quizzes (12 quizzes with ~51 total questions): **50%**
In class Midterm Exam: **20%**
In class Final Exam: **25%**
Attendance/ Active Class participation: **5%**

There are 13 modules that must be completed in sequence, with a quiz associated with modules 2 – 13 (there is no quiz for module 1). Each quiz is open book, open notes, not timed, and you get two attempts at it (with the highest score kept). You will have roughly 10 days to complete a quiz. For the midterm and final no internet access is allowed (no cell phone or laptop use); are timed, and you only get one attempt (in class). The general idea is that you're getting "paid" to practice the topics in each module (the quiz grades, recalling that the best of the two attempts is kept) and then the midterm and final are where you get to demonstrate your mastery of the material.

Each week, a different topic will be covered in that week's module. The quiz for that topic will become available on Tuesday or Friday evening after the lecture. The next lecture on either Tuesday or Friday will focus on in-class practice problems for that topic. The table shows the plan for each module. My suggestion is that when the module becomes available, you review the PowerPoint slides and maybe make the first attempt at the quiz. If you don't understand something or miss something on the quiz, ask questions in the next lecture, and then have a second attempt (hopefully you get a higher grade).

Module	Quiz opens	In-class practice	Quiz closes
1 and 2	28-Aug	4-Sep	7-Sep
3	4-Sep	7-Sep	14-Sep
4	11-Sep	18-Sep	21-Sep
5	18-Sep	25-Sep	28-Sep
6	25-Sep	2-Oct	5-Oct
Midterm Exam		2-Oct	
7	16-Oct	23-Oct	26-Oct
8	23-Oct	30-Oct	2-Nov
9	30-Oct	6-Nov	9-Nov
10	6-Nov	13-Nov	16-Nov
11	13-Nov	20-Nov	23-Nov
12	20-Nov	27-Nov	30-Nov
13	4-Dec	11-Dec	14-Dec
Final Exam		11-Dec	

Be aware that given the duration during which a quiz is available and that everything is online, I will not accept any late excuses except under truly extraordinary circumstances.

Attendance: Students are authorized to leave if the instructor or his/her assistant is more than 15 minutes late for a lecture. However, every possible effort will be made to inform you for any classes that are canceled due to an unscheduled conflict or emergency. Always check your e-mail and canvas announcements!

As Engineers and scientists, we may have the best response to a problem, but that response must be effectively communicated; therefore, I expect that each assignment be neat, professional, and on time. I reserve the right to penalize unprofessional responses to any assignment up to including awarding a zero (0) for the assignment. Late work will not be accepted.

Grading scale will be [90-100] = A, [80-90) = B, [70-80) = C, [60-70) = D, and <60 = F. If you score in the appropriate range, you are guaranteed at least that grade.

Re-Grading and Make-Up Policies: All graded material will be made available to students as soon as it has been graded. Once a graded item has been returned, each student has 5 days to challenge the grade. Grade challenges must be typed and include the problem in question, the original response, and a description of the grading error, all attached to the graded item. In addition, please give your name and e-mail address. All challenges will be responded to within 72 hours of receipt. Be aware that I reserve the right to re-grade the entire assignment, even if only one question is challenged.

Please do not ask for “extra work” or “extra credit,” as grades will stand as entered once the challenge period has expired. In addition, no final course grades will be changed unless a numerical error is made during grade computation.

Make-up exams will be given only if you have an official or pre-approved reason or medical emergency. If you have a personal medical emergency and miss an exam, in-class exercise, or assignment due date, you must submit valid proof (no later than 7 days after absence). However, be sure to review my comments about late work in the Delivery Details section; since each assessment has approximately 10 days in which it can be completed, missing a few days during that period may not be an accepted excuse. Incomplete grades will be given only if you have a valid medical reason and proof for not completing the requirements of the course (following the Institute’s rules).

Email: You are responsible for all e-mail messages sent by the instructor. Public messages intended for the entire class are sent automatically to campus accounts via list serve or may be published as an announcement on the class’ Canvas page. If the student elects to forward campus mail to an off-campus account, the student remains responsible for these messages regardless of whether or not they are successfully delivered.

Attendance and Active Class Participation (5%)
Attending class and actively participating are important components of your learning experience. **5%** of your final course grade is awarded for regular attendance and meaningful participation in class activities.

For each class, a short **Canvas attendance quiz** will be available. Please complete the quiz during the first 20 min of the class session and self-check-in your attendance. Since this is a self-check-in system, you are responsible for ensuring that your attendance is recorded (This may change to a QR code self-check in later, if necessary)

Cell Phones

All cell phones should be turned off (or put into silent mode) before the beginning of class. Thank you.

Academic Integrity: You are expected to adhere to the Georgia Tech Honor Code. For more information, see:

http://osi.gatech.edu/content/honor-code

In addition, faculty and students have drawn up a list of mutually beneficial expectations; please see

http://www.catalog.gatech.edu/rules/22/

Students may not submit any work that has been turned in for credit for a previous course. Be aware that different software techniques & methods may be utilized to check this (for example, IP addresses and activity are logged in Canvas).

Diversity and Disability Statement: Georgia Tech values diversity and inclusion; we are committed to a climate of mutual respect and full participation. Our goal is to create learning environments that are usable, equitable, inclusive and welcoming. If there are aspects of the instruction or design of this

course that result in barriers to your inclusion or accurate assessment or achievement, please notify the instructor as soon as possible. Students with disabilities should contact the Office of Disability Services to discuss options of removing barriers in this course, including accommodations. ODS can be reached at 404.894.2563, mdsinfo@gatech.edu, or disabilityservices.gatech.edu

Emergencies: Emergency procedures have been posted in all buildings. Students are reminded to review these procedures for their own safety.

Inclement Weather Policy: I will follow the Institute's policy. If you are concerned about making it to class, please do not take any unnecessary risks. I will make every effort to inform you of class cancellations as soon as possible. Always check your e-mail!