

ME3001-001 - Spring 2021 - Exam 1

Review and Policy

- **General Information**

- Date: Wednesday 03/03/2021
- **Start Time:** 3:35PM **Stop Time:** 4:30PM.
- Location: The exam will be taken remotely.
- Materials will be accessible on ilearn 10 minutes before exam begins (3:25PM).
- Submissions will close on ilearn 10 minutes after exam ends (4:40PM).

*******IMPORTANT*******

If you miss the deadline do the following deliberately and immediately.

- * Do not panic. Email the instructor as soon as possible and explain your situation. If you cannot email for any reason, please call the instructor's office at 931-372-3732 as soon as possible. You should be directed to the instructor and a record will be made of your attempt. Leave a voicemail if possible and explain your situation.
- * **Save your work but do not modify any files you intend to submit after 10 min past the stop time. Do not change the file names or any content that you intend to submit.** A record of any changes will be made with a timestamp.
- * **Failure to contact me within 10 minutes of the deadline may affect your grade!**

- **Exam 1 Format**

- Exam will be completed as an ilearn assignment: **Exam 2**
- Access exam as PDF 10 minutes prior start time on ilearn.
- Use a writing device of your choice (i.e. pencil, tablet, MSword).
- Submit your work as a single PDF **before** Stop Time on ilearn.
- Each problem must be on at least one separate page.
- Label all answers. You are **not required** to write the problem statements.
- You are **not required** to print the exam.
- ***** You must submit one .pdf and one .m file for this exam. *****

- **Materials Allowed in Exam**

- Computer of your choice with MATLAB
- Open book, open notes, open internet
- NO OTHER PEOPLE (besides instructor) OR ROBOTS, NO SOLUTION MANUALS
- Personal computer and a writing device of your choice, pencil or tablet, etc.

- Academic Integrity

- Credit will only be awarded for original work. Zero credit will be earned for answers copied from solution manuals such as Chegg or others. This behavior will be treated as plagiarism which is a direct violation of the TNTECH Student Academic Misconduct Policy.
- You are **not allowed** communicate with anyone besides the instructor during test.
- This is a Self Proctored Exam - **You are responsible** for upholding the TNTECH Student Academic Misconduct Policy
- You must **write and sign** the following honesty contract on the **first page of exam**.

***** **IMPORTANT** *****

You have previously agreed to uphold the academic misconduct policy (for details, view the Tennessee Tech's Policy 340). This is just a reminder. You know if you are doing the right thing or not but please ask the instructor if you have any questions.

I _____ agree to follow the policy of this exam
as described in the document *exam1_review_policy_sec001.pdf*.

Signature _____ Date_____

Copy, sign, and date this contract on your exam.

- **Major Topics**

- Basic Use of MATLAB
- Finding Roots of Non-Linear Equations
- The Bisection Method
- The Newton Raphson Method

- **Exam - Probable Problem Breakdown (150 points)**

1. **Technical Problem A (~33%)**

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2. **Technical Problem B (~33%)**

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3. **Technical Problem C (~33%)**

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- **Study Material from TH**

- Quiz Feedback
- Quiz/HW Solution
- Lecture Recordings and Notes