
ENGI 1331 – Final Exam – Part 2

DO NOT OPEN THIS BOOKLET UNTIL YOU ARE INSTRUCTED TO DO SO

I have read the ENGI 1331 Position on Academic Honesty and agree to abide by its provisions while taking this exam.

Signature: _____

Print Name: _____

Date: _____

INSTRUCTIONS:

- (1) **Read** and sign the Academic Honesty statement above. Unsigned exams will not be graded.
- (2) Including this cover page, this exam has 5 pages. Verify this now and raise your hand if you have a problem. **Do NOT look at the questions!**
- (3) This exam is closed book and closed notes. No calculator or communication device may be used. None should be visible on your desk. All necessary equations, conversions, graphing properties, and trendline equations will be given to you.
- (4) You will have **105 minutes** for this exam.
- (5) Continuing to work after time is called will result in a **zero**.

***For this exam you are NOT allowed to use to following:

- implied loops EXCEPT input/output functions (load, dlmwrite, xlswrite, fprintf, plot, etc.)
 - cell2table (must use explicit loop – FOR or WHILE)
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Computer Requirements

This computer exam will be given on Tuesday, December 6, 2016.

- It is suggested to bring your power cord and a mouse.
- Any known computer issues must be documented by UHIT and brought to the instructor's attention no later than the night before the exam. Only last minute computer emergencies will be dealt with the day of the exam at the instructor's discretion

General Rules

- You should **suppress** all output to the Command Window except if specific formatted output is requested.
- Basic headers (e.g. inputs, calculations, plots, output, etc.) are required. All other commenting is highly discouraged so that you have time to focus on the required programming.
- All user prompts requesting input must use the exact wording given in the problem statement and/or example. You must use any variable names specified. **If a variable name is not specified, you may create your own name for the variable.**
- Any constants required, such as gravity of Earth or the density of water should be stored in the program as variables. If you need to use such variables in your program solution, you may choose your own variable names.
- **Do Not Hard Code for a specific case – your code must be flexible based on the instructions provided.**

Exam Timeline

This is the second part of the Final Exam. The exam will be divided into 2 parts, outlined below:

- (1) **Debugging/Tracing in MATLAB (40/165 pts of exam grade)** This section of the exam should take you approximately 40 minutes to complete.
- (2) **Programming in MATLAB 125/165 pts of exam grade)** This section of the exam should take you approximately 90 minutes to complete.

Finishing the exam

You will **have 105 minutes to complete all questions**. After time is called, you will turn your internet back on and upload your .m file using Blackboard.

- During the exam and collection period, there will be **NO TALKING**, or you will be dismissed with a **ZERO**.
- Any use of network capabilities including email, web browsing, or messaging during the exam period is prohibited; any use will result in dismissal and a **ZERO** on the exam.
- Be sure ALL Internet connected applications are shut down before the exam begins.
- You are not allowed to have any other applications or files open other than the exam; any use will result in dismissal and a **ZERO** on the exam.

After the exam is completed and the file collected, any procedure (such as opening the file) which alters the date / time stamp of the file will void any allowances for mis-saved files – in other words, **after the exam is over DO NOT OPEN the file again!**

Saving Exam File

Save your script file in a new folder on your desktop as **LASTNAME_ENGI1331_Final.m**. You will upload a .zip folder named **CouganetUsername_Final.zip** which contains your script file and the .csv data file. There should be no other files in your working directory other than the exam file. If we find another file during the exam you will be dismissed from the room with a **ZERO**.