

Working with MATLAB Grader in ENGR 130

In this course, we frequently will use an online tool available from MathWorks called MATLAB Grader. Most of your homework assignments for the rest of this semester will contain problems to submit using this tool. One of the advantages of this is that you will receive instantaneous feedback when you submit code through the Grader interface, which will inform the way you approach other problems on the assignment. Read the information below thoroughly before you engage with MATLAB Grader.

Background

Any problems that are to be submitted through MATLAB Grader will appear as a separate assignment in your Canvas assignment list. (This is because Grader sends the score directly to the Canvas gradebook.) In the pdf for a homework assignment, any MATLAB Grader problems are clearly indicated.

The first time you access MATLAB Grader, you will need to agree to the terms of use.

Accessing Problems in MATLAB Grader

Go to the assignment on Canvas, which will have a name like “HW# - MATLAB Grader,” and you will be directly linked to the problem to solve. The interface consists of three main parts:

- The problem statement
- A mostly empty MATLAB starter script with comments outlining what you should write in your code.
- An assessment area, where the evaluation of your code will display when you run it.

Recommended Approach

- Read over the problem statement and familiarize yourself with what is in the provided MATLAB starter script.
- Either copy the starter script into your own script file on your laptop to work in, or directly type in the script window in the Grader interface. Please note that ultimately you will submit your work to Grader for grading the functionality of your code, but that you will also include the script in the .m file you submit for the rest of the assignment so that graders can provide you with feedback on formatting, style, or other things that are not easily assessed by computers.
- While working in Grader (or on your own copy of MATLAB, for that matter), you can hit the “Run” button as often as you like to see what the script’s output looks like.
- When you want to get feedback from Grader, in the Assessment area, click the “Submit” button. It will run your code and perform the checks that are listed in the Assessment area, letting you know which of those checks your code successfully passed and giving you a grade. We have set the parameters so that you can submit an unlimited number of times before the deadline with no penalty.
- When you are satisfied with your code, make sure that you
 - have submitted it to Grader and received a total score at the bottom of the Assessment section
 - have included the code in the .m file you submit to Canvas with your solutions to other problems in the assignment

PLEASE NOTE: You cannot use the `clear` command in MATLAB grader, because it interferes with the way its assessment script works.