

## EE460N: Lab Assignment Submission Instructions

1. Are you away from campus? If so, do the following:
  - A. SSH into the machine `mario.ece.utexas.edu` first, then follow the rest of the instructions from the mario machine. SSH into mario with the following command and your ECE LRC user ID and password:

**`ssh mario.ece.utexas.edu`**

If you were able to successfully connect to `mario.ece.utexas.edu`, then continue to instruction 2). If you were not able to connect to `mario.ece.utexas.edu`, proceed to instruction b).

- B. If you cannot SSH into mario, you need to first connect to the UT campus network via VPN (Virtual Private Network). Instructions for doing so are available here:  
<https://wikis.utexas.edu/display/engritgpublic/Connecting+to+the+University+of+Texas+VPN>

2. SSH into `grader2` with the following command and your ECE LRC user ID and password:  
**`ssh grader2.ece.utexas.edu`**  
Note: If you are having problems SSHing into grader and you're getting errors like "connection closed unexpectedly" (Putty) or "Connection reset by peer"(Mac,Linux), then try the steps in instruction 1), as if you're away from campus.

**WARNING: WE MIGRATED THE UNDERGRADUATE SECTION OF THE COURSE TO THE NEW `submit-ee460n` COMMAND. DO NOT USE `submit-ee360n` AND ALWAYS USE `submit-ee460n` INSTEAD. (unless you're in the graduate section of this course which still uses `submit-ee360n` as of Fall 2026)**

3. Make sure the list of files you have submitted matches the list of files that the grader accepts by using the following command:  
**`submit-ee460n -labN -show_acceptable_files`**

where N is the lab assignment number you are submitting files for.

4. After typing your username and password, submit your files with the following command:  
**`submit-ee460n -labN <filename1> <filename2> ...`**

where N is the lab assignment number you are submitting files for.

5. You may check the files submitted with the following command:

**`submit-ee460n -labN -ls`**

6. This step is optional. At this point, if you wish, you may get **one** free test of your program at no cost to you. **You will be able to perform this step to test your program and receive a score only one time.** To do so, type the following command:

**`submit-ee460n -labN -test`**

After you run this command read the prompt carefully to proceed with your test. Do NOT terminate your SSH session. After some time, you will receive a message displaying your score. **The “-test” option runs ALL of our test cases that we use to grade your lab. In other words, this test result score is the exact actual grade you would get from this lab if you ran “-grade” immediately after.** If you are not happy with the test result score, you may update your program and restart at step 4 to submit your changes, and proceed to step 8 to complete submission. If you are happy with the score reported, you can immediately proceed to step 8. You have to be logged in to the machine to see the results. If you are using a different machine but still want to see your test result, please see step 7.

7. You can confirm your test result reported in step 6 with the following command:

**`submit-ee460n -labN -test_results`**

where N is the lab assignment number you are verifying results for.

8. The final step in submitting your program for actual grading. **Only the FIRST grading attempt will determine your final grade on this lab.** Generate your final grade report with the following command:

**`submit-ee460n -labN -grade`**

After you run this command read the prompt carefully to proceed with your grade report. You may terminate your SSH session if you wish. If you do not terminate your SSH session, after some time, you will receive a message displaying your full grade report, final score included.

**After you have graded for the first time, you will be able to execute this command for unlimited times to debug your program and make it perfect. Some future labs rely on previous labs, so please make good use of this function.**

9. Please confirm your grade reported in step 8 with the following command:

***submit-ee460n -labN -results***

where N is the lab assignment number you are verifying results for. You can use this at any point in the semester to recheck your lab results whenever you wish.

Note 1: currently the submit script works only on grader2.

Note 2: You may run:

***submit-ee460n***

(with no parameters, exactly as shown above) to display the various options submit-ee460n supports.