

Laboratory # 10

Feedback

As you know, this is the first semester that EECS 206 has been offered. As such, we are still learning the best way to teach it, especially with regards to the laboratory section. In order to provide a better experience to our future students, we would like to get your feedback regarding the laboratory portion of this class. We have already tried to incorporate your comments and suggestions in the lab design, and we would also like to know how successful we were at this task. Lab 10 is a feedback survey regarding the laboratory portion of this course.

Your comments are important to us; in fact, they are important enough that you will receive a grade for Lab 10 that is equal to the other laboratories. When you submit your completed Lab 10, you automatically get a 100/100.

Please be honest in answering the questions in this lab. Your answers will not affect your grade for the course in any way. To maintain confidentiality, we will be removing this cover sheet from your submitted lab. The cover sheet will be kept separately so that you receive credit for submitting the lab.

Note that there will be the usual in-class evaluation of professors, lectures, exams, homework, etc., so you do not need to comment on those here. However, we welcome any comments you have regarding the topics covered in Lab 10; feel free to elaborate beyond the questions asked.

Finally, please note that *each student* must submit Lab 10 so that we can have feedback from everyone.

Please submit this lab in EECS 4338 on or before Wednesday, December 12.

Name:

Lab Section:

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Lab assignment evaluation

The following table lists the topics covered for each of the nine lab assignments.

Lab #1: Intro to MATLAB
 Lab #2: Complex Numbers
 Lab #3: Fourier Series
 Lab #4: Image Compression
 Lab #5: FIR Filtering
 Lab #6: DTMF (Touch-tone) Decoder
 Lab #7: Vowel Lab I: Filter matching/pole-zero placement
 Lab #8: Vowel Lab II: Features for classification
 Lab #9: Vowel Lab III: Classification

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|---|---|---|---|---|---|---|---|---|---|
| 1. Which lab did you find the most interesting? | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 2. In which lab did you learn the most? | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 3. Which lab took the least time? | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 4. Which lab had the easiest concepts? | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 5. Which lab had the least difficult assignment? | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 6. Which background section was the most useful/well written? | 4 | 5 | 6 | 7 | 8 | 9 | | | |
| | | | | | | | | | |
| 7. Which lab did you find the least interesting? | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 8. In which lab did you learn the least? | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 9. Which lab took the most time? | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 10. Which lab had the most difficult concepts? | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 11. Which lab had the most difficult assignment? | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 12. Which background section was the least useful/well written? | 4 | 5 | 6 | 7 | 8 | 9 | | | |
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| 13. What aspects of the lab assignments did you like the most? | | | | | | | | | |
| | | | | | | | | | |
| 14. What aspects of the lab assignments did you like the least? | | | | | | | | | |

Lab section evaluation

15. Which lab section do you attend? 3 4 5 6 7 8 9 10 11
16. What percent of the lab sessions did you attend? 0-25% 25-50% 50-75% 75-100%
17. How useful were the lab sessions? Not useful Somewhat useful Very useful
18. Before each of the exams, we held review sessions during lab. Did you find these review sessions to be helpful?
 Not useful Somewhat useful Very useful
19. How can we make the lab sections more useful to you?

MATLAB usage

20. Prior to this course, how well do you feel that you knew MATLAB?
 Not at all Only a little Fairly well Very well
21. Now that you have completed the labs for this course, how well do you feel that you know MATLAB?
 Not at all Only a little Fairly well Very well
22. How difficult was the level of MATLAB usage required for this class?
 Not difficult Somewhat difficult Very difficult Impossible
23. If you attended, how useful did you find the MATLAB tutorial at the beginning of the semester?
 Didn't attend Not useful Somewhat useful Very useful
24. If you looked at it, how useful was the written MATLAB tutorial for helping you to learn MATLAB?
 Didn't use Not useful Somewhat useful Very useful
25. How useful was `sample_function.m` for helping you to learn MATLAB?
 Not useful Somewhat useful Very useful
26. Did the use of MATLAB in lab help you to better understand the material being taught in this class?
 Not at all Only a little Somewhat A lot
27. Do you think that MATLAB should remain a part of EECS 206? Yes Maybe No
28. Many of the labs required much different levels of “involvement” in terms of how much code you had to write. In some cases, you simply ran pre-existing code. In others, you were asked to complete existing code or write complete functions from scratch. How much did you learn from each of these types of involvement?
29. Any other comments about MATLAB usage in the labs?

DSP First Supplemental Materials

30. How useful did you find the demonstration movies that were included on the DSP First CD-ROM?
 Didn't use Tried, but didn't work Not useful Somewhat useful Very useful
31. How useful did you find the MATLAB code that was included on the DSP First CD-ROM (the sine drill, PEZ, etc.)?
 Didn't use Tried, but didn't work Not useful Somewhat useful Very useful
32. How useful did you find the extra homework problems were included on the DSP First CD-ROM?
 Didn't use Not useful Somewhat useful Very useful
33. How useful did you find the pre-written laboratories that were included in the DSP First textbook?
 Didn't read Not useful Somewhat useful Very useful
34. Any comments about the DSP First CD-ROM or other supplemental materials?

Partnering questions

35. How large was your lab group for the majority of labs? 1 2 3 4
36. Did having a lab partner cause you to spend more or less time on the labs than if you worked alone?
 Always worked alone Less time About the same More time
37. Relative to working alone, having lab partner(s) helped you understand the material..
 Always worked alone Better About the same Worse
38. Relative to working alone, having lab partner(s) helped to make my lab grade..
 Always worked alone Higher About the same Lower
39. Relative to working alone, having lab partner(s) helped to make my class grade..
 Always worked alone Higher About the same Lower
40. How much work did you do relative to your partner(s)?
 Always worked alone Much more More Same Less Much less
41. How hard was it to find time to work on the labs with your partner(s)?
 Always worked alone Hard Somewhat hard Easy
42. Should lab partners be assigned? Yes Maybe No
43. Should lab partners be fixed through the semester? Yes Maybe No
44. The ideal group size would be... 1 2 3 4 More (specify)
45. Any comments about lab groups?

Other questions

46. What percent of the lectures did you attend? 0-25% 25-50% 50-75% 75-100%
47. Which program are you in? EE CE CS Other
48. Which year are you in? Freshman Sophomore Junior Senior
49. This course has...
- made me want to learn more about signals and systems. Yes Maybe No
 - taught me all that I need to know about signals and systems. Yes Maybe No
 - convinced me that I am not interested in this area. Yes Maybe No
50. Please include any other comments you have about the labs in the space below.