

PC/CP300 Electronics Laboratory II
Lab Evaluation Results
Wilfrid Laurier University

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Fall 2012

This evaluation for the purpose of evaluating my teaching methods and your impressions of this course. It is anonymous and you can omit any question(s) you don't wish to answer.

General

Choose the answer which best expresses your feelings about the course.

1. The lecture quizzes were
 - 7%** at a reasonable level of difficulty
 - 36%** a good test of important concepts
 - 57%** both of the above
 - 0%** neither of the above

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2. The pre-lab requirements were

36% good preparation for the labs

14% a reasonable requirement for the marks assigned

43% both of the above

7% neither of the above

3. Being required to demonstrate things in the lab was

43% useful to summarize important sections of each lab

29% a good way to have part of the lab mark assigned

29% both of the above

0% neither of the above

4. The post-lab questions were

21% well-chosen to test what was learned in the lab

14% reasonable to be able to answer after doing the lab

64% both of the above

0% neither of the above

5. Keeping a lab notebook was

36% a good idea because it kept all important information in one place

14% easy to learn to use productively

50% both of the above

0% neither of the above

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6. Using the lab notebook for quizzes was

36% helpful for the quizzes

7% good for helping to know what to write in the notebook in the labs

57% both of the above

0% neither of the above

0% The notebook wasn't really needed for the quizzes.

7. The lab notebook summaries were

14% a useful exercise

36% helpful for quizzes

43% both of the above

7% neither of the above

8. The lab web page was

29% organized and easy to follow

7% better than having a printed lab manual

64% both of the above

0% neither of the above

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What did you think about the extra resources on the web site (links, videos, etc.)? For each item, use the following scale:

- (a) almost never
- (b) rarely
- (c) fairly often
- (d) almost always

9. (**14%** **43%** **36%** **7%** **0%**) I *clicked on* the optional links.
10. (**14%** **36%** **29%** **21%** **0%**) I *was helped by* the optional links.
11. (**7%** **43%** **29%** **14%** **7%**) I *watched* the videos.
12. (**7%** **21%** **43%** **29%** **0%**) I *was helped by* the videos.

13. The lecture notes posted online were

- 93%** helpful to follow
- 0%** more useful than the actual lecture
- 7%** both of the above
- 0%** useless
- 0%** unnecessary

14. The lectures

- 21%** provided *useful* background for the labs
- 36%** provided *sufficient* background for the labs
- 43%** both of the above
- 0%** neither of the above

15. In some lectures, I showed videos as part of the lecture. What did you think of that?

- 86%** The videos were usually a good addition to the lecture.
- 0%** The videos were usually a waste of time.
- 7%** The videos were usually good, but could have been watched some other time.
- 7%** I don't remember any of the videos.

16. There's no required textbook for this course. How do you feel about that?

- 7%** I would have liked one would have bought one if it covered most of the topics in the course.
- 0%** I might have bought one if it covered some of the topics I didn't understand well.
- 36%** I might have bought one if it seemed to be a good reference book.
- 14%** I wouldn't have bought one this year because the lecture material was sufficient.
- 43%** I never buy textbooks unless they're needed for assignments, etc.

17. What do you think about the split between theory and practice in this course?

- 7%** The course has too much theory.
- 7%** The amount of theory is OK, but it's not clear how this will fit with other courses now or in the future.
- 0%** The course is too much practice and not enough theory.
- 0%** The amount of practical material is OK, but it's not clear how this will fit with other courses now or in the future.
- 86%** The mix of theory and practice seems about right.

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For the following questions, use the following scale to indicate how much you agree with the statement that you feel comfortable with the tasks in question:

- (a) disagree strongly
- (b) disagree
- (c) neither agree nor disagree
- (d) agree
- (e) agree strongly

18. (**7%** **0%** **7%** **79%** **7%**) I feel comfortable figuring out how to use an unfamiliar device from the data sheet.
19. (**0%** **7%** **14%** **50%** **29%**) I feel comfortable building circuitry to produce a desired range of output voltages from a sensor.
20. (**0%** **7%** **21%** **50%** **21%**) I feel comfortable building circuitry to control a DC motor or relay from any type of input.
21. (**0%** **0%** **14%** **50%** **36%**) I feel comfortable using operational amplifiers in various configurations as needed.
22. (**0%** **7%** **21%** **50%** **21%**) I feel comfortable combining sensors, actuators, and other components as needed to produce more complex circuits.
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23. I thought that the lab project was
- 0%** at a reasonable level of difficulty
 - 31%** a good way to bring together important concepts
 - 62%** both of the above
 - 8%** neither of the above

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For the following questions, use the following scale to indicate how much weight you think should be placed on each of the components in the final course grade:

- (a) nothing
- (b) 5 or 10%
- (c) 15 or 20%
- (d) 25 or 30%
- (e) more than 30%

24. (**0%** **54%** **23%** **23%** **0%**) Lecture *quizzes*
25. (**14%** **71%** **7%** **7%** **0%**) *Pre-lab* requirements
26. (**0%** **36%** **57%** **7%** **0%**) Lab *demonstrations*
27. (**0%** **29%** **36%** **36%** **0%**) Lab *notebooks and postlabs*
28. (**0%** **7%** **0%** **36%** **57%**) Lab *project*
29. (**57%** **0%** **14%** **29%** **0%**) A written *final exam* (which doesn't exist now)

30. Many of the labs had parts that were geared to the project, such as using op amps with a 7.2V supply. Was that worthwhile?

64% Yes, I referred to a lot of those things for the project.

29% A bit; one or two of them were useful for the project.

0% Not really; the project was pretty much a new thing.

7% I never noticed that anything from the labs was geared to the project.

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31. The possibility of demonstrating sub-tasks for the project early
- 21% helped me break down the project into modules
 - 21% made it easier to schedule my work.
 - 43% Both of the above
 - 14% Neither of the above
32. Having crossover between different courses (eg. combined PC300/PC319 project; A/D and D/A lab in PC364 and PC300)
- 14% reduced the workload for the term.
 - 43% made the connections between the courses more obvious.
 - 21% Both of the above
 - 21% Neither of the above
33. Did the similarity in format and expectations to the PC/CP200 labs help you in these labs?
- 57% Yes, quite a bit.
 - 21% Yes, but only a little.
 - 7% No, but neither one seemed very hard.
 - 0% No, this was like a completely different endeavour.
 - 14% I didn't take PC/CP200.
34. **In order to improve teaching beyond my own courses, I'd like to be able to share the results of these evaluations with other instructors, students, etc. May I have your permission to do that?**
- 86% Yes, I'd be glad if any improvement could come from this.
 - 14% Yes, this is anonymous enough that I don't mind how the results are used.
 - 0% No, this isn't anonymous enough for me to be comfortable with the results being shared.
 - 0% No, even though this is anonymous I don't want the results to be shared.