

PC/CP200 Electronics Laboratory I
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 the 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
 - 13%** at a reasonable level of difficulty
 - 13%** a good test of important concepts
 - 73%** both of the above
 - 0%** neither of the above

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2. The online quizzes were

0% good preparation for the lecture quizzes

33% a reasonable requirement for the marks assigned

67% both of the above

0% neither of the above

3. The group tasks in the lecture were

33% interesting

0% helpful for clarifying important concepts

53% both of the above

13% neither of the above

4. The lab tests were

7% at a reasonable level of difficulty

0% a good test of important concepts

87% both of the above

7% neither of the above

5. Being required to demonstrate things in the lab was

7% useful to summarize important sections of each lab

7% a good way to have part of the lab mark assigned

80% both of the above

7% neither of the above

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6. Keeping a lab notebook was

33% a good idea because it kept all important information in one place

0% easy to learn to use productively

60% both of the above

7% neither of the above

7. Using the lab notebook for quizzes and tests was

0% helpful for the quizzes and tests

0% good for helping to know what to write in the notebook in the labs

87% both of the above

0% neither of the above

13% The notebook wasn't really needed for the tests or quizzes.

8. The lab notebook summaries were

21% a useful exercise

7% helpful for tests and quizzes

71% both of the above

0% neither of the above

9. The lab web page was

0% organized and easy to follow

21% better than having a printed lab manual

79% both of the above

0% neither of the above

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10. The lecture notes posted online were

- 64% helpful to follow
- 7% more useful than the actual lecture
- 29% both of the above
- 0% useless
- 0% unnecessary

11. The lectures

- 14% provided *useful* background for the labs
- 36% provided *sufficient* background for the labs
- 50% both of the above
- 0% neither of the above

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

- 93% 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.
- 0% I don't remember any of the videos.

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

13. 0% 36% 50% 14% I *clicked on* the optional links.

14. 0% 29% 50% 21% I *was helped by* the optional links.

15. 14% 29% 43% 14% I *watched* the videos.

16. 14% 21% 36% 29% I *was helped by* the videos.

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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

17. **0% 0% 0% 21% 79%** I feel comfortable using a digital meter to measure *voltages*.
18. **0% 0% 0% 7% 93%** I feel comfortable using a digital meter to measure *resistances*.
19. **0% 0% 0% 36% 64%** I feel comfortable using a digital meter to measure *currents*.
20. **0% 7% 14% 36% 43%** I feel comfortable using a digital meter to measure *capacitance*.
21. **0% 7% 21% 36% 36%** I feel comfortable using an oscilloscope to measure *voltages*.
22. **0% 7% 14% 36% 43%** I feel comfortable using an oscilloscope to measure *period and frequency*.
23. **0% 7% 7% 36% 50%** I feel comfortable using a function generator to *produce specific waveforms*.
24. **0% 7% 0% 43% 50%** I feel comfortable *using colour codes* to identify resistors.
25. **0% 0% 0% 29% 71%** I feel comfortable *wiring* a circuit from a schematic diagram.
26. **0% 0% 7% 29% 64%** I feel comfortable *checking* a circuit to see if it matches a schematic diagram.

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27. **7%** **7%** **21%** **36%** **29%** I feel comfortable *comparing* a device's performance with the datasheet to see if it meets the manufacturer's specifications.

28. Part of this course focused on *DC circuits*.

14% I feel comfortable with resistors (including resistive sensors), voltage dividers, etc.

14% I think studying that was worthwhile.

71% Both of the above are true.

0% Neither of the above are true.

29. Part of this course focused on *other components*.

29% I feel comfortable with capacitors and diodes (including LEDs) and understand their effects in circuits.

0% I think studying that was worthwhile.

71% Both of the above are true.

0% Neither of the above are true.

30. Part of this course focused on *logic families*.

7% I feel comfortable with concepts like voltage and current limits, propagation delay, and different types of outputs for gates.

14% I think studying that was worthwhile.

57% Both of the above are true.

21% Neither of the above are true.

31. Many topics in the lab had written explanations on the web page as well as videos or screencasts. Which of these did you find more useful most of the time?

14% I found the written explanations much more useful.

0% I found the videos much more useful.

57% I found them both about equally useful (or it depended on the topic).

29% I hardly ever watched the videos; I usually just read the explanations on the web page.

0% I hardly ever read the explanations on the web page; I just watched the videos.

32. The workload for this course was

86% about right for a quarter credit course.

14% too heavy for a quarter credit course.

0% too light for a quarter credit course.

0% *much* too heavy for a quarter credit course.

0% *much* too light for a quarter credit course.

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

0% The course has too much theory.

14% 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.

14% The amount of practical material is OK, but it's not clear how this will fit with other courses now or in the future.

71% 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 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%

34. **7%** **79%** **7%** **7%** **0%** *Lecture quizzes*
35. **7%** **57%** **29%** **7%** **0%** *Online quizzes*
36. **43%** **43%** **14%** **0%** **0%** *Group exercises in lecture*
37. **7%** **43%** **36%** **7%** **7%** *Lab demonstrations*
38. **0%** **29%** **57%** **7%** **7%** *Lab notebooks and postlabs*
39. **0%** **0%** **7%** **36%** **57%** *Lab tests*
40. **50%** **7%** **14%** **7%** **21%** *A written final exam (which doesn't exist now)*
41. **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?**
- 93%** **Yes, I'd be glad if any improvement could come from this.**
- 7%** **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.**