

Name: \_\_\_\_\_

SSN: \_\_\_\_\_

**Rose-Hulman Institute of Technology**  
**ECE 207 Elements of Electrical Engineering Course Survey**

Please use the following scale to indicate the level of confidence you have in your ability in each of the following areas **BEFORE** taking this course.

| No Confidence<br><b>1</b> | Little Confidence<br><b>2</b> | Confident<br><b>3</b> | Very Confident<br><b>4</b> |
|---------------------------|-------------------------------|-----------------------|----------------------------|
|---------------------------|-------------------------------|-----------------------|----------------------------|

- \_\_\_\_\_ 1. DC circuit analysis
- \_\_\_\_\_ 2. AC circuit analysis
- \_\_\_\_\_ 3. Control and instrumentation
- \_\_\_\_\_ 4. Transducers
- \_\_\_\_\_ 5. Signal conditioning and electromagnetic interference
- \_\_\_\_\_ 6. Electrical machines
- \_\_\_\_\_ 7. Power systems
- \_\_\_\_\_ 8. Using laboratory tools and instruments
- \_\_\_\_\_ 9. Technical writing
- \_\_\_\_\_ 10. Technical presentations

Using the same scale, indicate the level of confidence of your ability in each of the following areas **AFTER** taking this course.

- \_\_\_\_\_ 11. DC circuit analysis
- \_\_\_\_\_ 12. AC circuit analysis
- \_\_\_\_\_ 13. Control and instrumentation
- \_\_\_\_\_ 14. Transducers
- \_\_\_\_\_ 15. Signal conditioning and electromagnetic interference
- \_\_\_\_\_ 16. Electrical machines
- \_\_\_\_\_ 17. Power systems
- \_\_\_\_\_ 18. Using laboratory tools and instruments
- \_\_\_\_\_ 19. Technical writing
- \_\_\_\_\_ 20. Technical presentations

Using the scale below, please select the number that corresponds with your response to the following items.

|                                      |                             |                                 |                          |                                   |
|--------------------------------------|-----------------------------|---------------------------------|--------------------------|-----------------------------------|
| <b>Strongly Disagree</b><br><b>1</b> | <b>Disagree</b><br><b>2</b> | <b>I don't know</b><br><b>3</b> | <b>Agree</b><br><b>4</b> | <b>Strongly Agree</b><br><b>5</b> |
|--------------------------------------|-----------------------------|---------------------------------|--------------------------|-----------------------------------|

- \_\_\_\_\_ 21. This class helped me better **understand** that concepts and techniques from electrical engineering are useful in mechanical engineering.
- \_\_\_\_\_ 22. **As a result of this class**, I am comfortable with exploring new topics in electrical engineering on my own.
- \_\_\_\_\_ 23. **As a result of this class**, I am confident in my ability **to apply** the techniques and concepts from electrical engineering to solving problems in mechanical engineering.
- \_\_\_\_\_ 24. **As a result of this class**, I believe that the knowledge of topics from electrical engineering will help me to be a better mechanical engineer.
- \_\_\_\_\_ 25. Faculty in this class emphasized how concepts in electrical engineering were related to things that I will need to know as a mechanical engineer.
- \_\_\_\_\_ 26. **As a result of this class**, I would feel confident working on a design project that had an electrical engineering component.
- \_\_\_\_\_ 27. This course contributed to my confidence in working on interdisciplinary teams.
- \_\_\_\_\_ 28. In comparison to my other engineering courses, the workload in this course was . . .

**1. Much Heavier      2. Heavier      3. Equal      4. Lighter      5. Much Lighter**