

The objectives of every course in the Department of Electrical and Computer Engineering at the University of Rhode Island may be summarized by one or more of the following abilities: **to understand, to question, to design, to lead, and to communicate**. The objectives of ELE 400 are the following: **To Understand** - an understanding of professional and ethical responsibility, a recognition of the need to engage in life-long learning, a knowledge of contemporary issues, and an understanding of the impact of engineering solutions in a global and societal context; **To Question** - to consider characteristics of professional success including life-long learning. By the end of this course you should achieve the following outcomes:

1. Become familiar with the IEEE Code of Ethics.
2. Understand three models of ethical responsibility: mal-practice, reasonable care, good works.
3. Understand ethical problem solving techniques for dealing with conflict and line-drawing problems.
4. Understand the difference between the moral theories of utilitarianism and duty and rights ethics (respect for persons).
5. Understand professional responsibilities regarding risk, safety, truthfulness, and reliability.
6. Understand the roles of engineers and managers in the workplace.
7. Understand the need for life-long learning.
8. Understand the impact of engineering solutions in a global and societal context.
9. Learn from outside speakers on all of the above topics, as well as other topics such as job search, interview skills, life-long learning, graduate school, characteristics of professional success, and how to advance in your career.

In addition to discussing chapters from the text book, we will have several guest lecturers from industry who will speak from their experience as engineers or as engineering managers. They will speak on topics such as how to conduct a job search, interview skills, life-long learning, career advice, characteristics of professional success, and ethical problems they have encountered.

**Instructor**

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**Grading Policy**

Attendance (10%)  
Resume (5%)  
Homework #1 (20% )  
Homework #2 (20% )  
Course Summary: (45%)

**Office Hours**

M,W, 10:30-11:30  
T,R 2:00-3:00, or by appointment

**Textbook**

**Engineering Ethics** Charles B. Fleddermann, Prentice-Hall, 3rd Edition