

Department	Electrical and Computer Engineering
Course Number	EELE 487
Course Title	Prof, Ethics & Engr Practices
Total Credit Hours and Format	1 Credit. (1 Lec) S
Catalog Description	PREREQUISITE: Junior standing Engineers from industry and others give presentations on professionalism, ethics, and engineering practices. Included are specific well-known, historical engineering ethics cases and professional practices of engineering, intellectual property issues, and new developments.
Faculty Coordinator	Rob Maher
Course Designation	Required
Textbook	Fleddermann, Charles B., "Engineering Ethics," 4th ed., Pearson Prentice-Hall, 2008.
Course Learning Outcomes	At the conclusion of EELE 487, students are expected to be able to: <ul style="list-style-type: none"> • Express in oral and written form an understanding and appreciation of the need for ethical and responsible professional behavior. • Describe and knowledgeably discuss the importance of safety, environmental and other societal issues to the engineering profession.
Program Outcomes	f, g, h, i, j
Topics Covered	<ol style="list-style-type: none"> 1. Ethics and Professionalism 2. Engineering and the Environment 3. The Space Shuttle 4. Ethical Problems and Approaches 5. Ethical Conflicts and Bribes 6. Risk, Safety, and Accidents 7. Public Safety and New Technologies 8. Code of Ethics of Engineering 9. Ethics and Research 10. Ethics and Professionalism in the Workplace 11. Final Presentations and Discussion
Prepared by	Rob Maher (4/25/2015)