EEL2000 Introduction to Electrical Engineering

1. **Catalog Description** Introduction to electrical and computer engineering tools -- hardware and software. Professional ethics, career development. To provide hands-on experience, students assemble and test hardware projects. (2 credits).

2. **Pre-requisites and Co-requisites** None

3. **Course Objectives** To learn about the Electrical and Computer Engineering professions, particularly the differences in sub-fields. Learn about career opportunities and how to prepare for them. Understand professional issues such as ethics and continuing education.

4. **Contribution of course to meeting the professional component** ABET outcomes f, g, h, i, j.

5. **Relationship of course to program outcomes**: an understanding of professional and ethical responsibility; an ability to communicate effectively; the broad education necessary to understand the impact of engineering solutions in global, economic, environmental, and societal context; a recognition of the need for, and an ability to engage in life-long learning; a knowledge of contemporary issues.

6. **Instructor - Dr. Jacob Hammer**
   - Office location NEB 563
   - Telephone 392-4934
   - E-mail address hammer@mst.ufl.edu
   - Web site mst.ufl.edu
   - Office hours MWF 3:50-4:40PM

7. **Teaching Assistant TBA**
   - Office location
   - Telephone
   - E-mail address
   - Office hours

8. **Meeting Times** - M7-8

9. **Class/laboratory schedule**, 2 classes of 50 minutes each per week

10. **Meeting Location** NEB 202

11. **Material and Supply Fees** $38.00

12. **Textbooks and Software Required** None
13. **Recommended Reading** None

14. **Course Outline**
   - Learning the ropes
   - Representatives from ECE and College of Engineering Student Services
   - Representative from ECE Technical Support
   - Overview of ECE curriculum and ECE programs
   - For ECE area in department (guest speakers)
   - Undergraduate curriculum
   - Grad school and research in that area
   - What are the career opportunities?
   - Students’ perspectives
   - Panel - ECE student leaders, Q&A
   - Ethical issues for engineers
   - Student honor code, case examples
   - IEEE code of ethics, case examples
   - Ethical Issues - patents, copyrights
   - Other ECE topic
   - Finding a job, career choices
   - Documentation, patents, copyrights
   - Outsourcing trends, data

15. **Attendance and Expectations** - Attendance is required and forms 60% of the grade

16. **Grading** Attendance 60%; Lab work 20%; written assignments 20%

17. **Grading Scale**

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“A C- will not be a qualifying grade for critical tracking courses. In order to graduate, students must have an overall GPA and an upper-division GPA of 2.0 or better (C or better). Note: a C- average is equivalent to a GPA of 1.67, and therefore, it does not satisfy this graduation requirement. For more information on grades and grading policies, please visit: [https://catalog.ufl.edu/ugrad/current/regulations/info/grades.aspx](https://catalog.ufl.edu/ugrad/current/regulations/info/grades.aspx)

18. **Make-up Exam Policy** - No exams

19. **Honesty Policy** – All students admitted to the University of Florida have signed a statement of academic honesty committing themselves to be honest in all academic work and understanding that failure to comply with this commitment will result in disciplinary action. This statement is a reminder to uphold your obligation as a UF
student and to be honest in all work submitted and exams taken in this course and all others.

20. **Accommodation for Students with Disabilities** – Students Requesting classroom accommodation must first register with the Dean of Students Office. That office will provide the student with documentation that he/she must provide to the course instructor when requesting accommodation.

21. **UF Counseling Services** – Resources are available on-campus for students having personal problems or lacking clear career and academic goals. The resources include:
   - UF Counseling & Wellness Center, 3190 Radio Rd, 392-1575, psychological and psychiatric services.
   - Career Resource Center, Reitz Union, 392-1601, career and job search services.

22. **Software Use** – All faculty, staff and student of the University are required and expected to obey the laws and legal agreements governing software use. Failure to do so can lead to monetary damages and/or criminal penalties for the individual violator. Because such violations are also against University policies and rules, disciplinary action will be taken as appropriate. We, the members of the University of Florida community, pledge to uphold ourselves and our peers to the highest standards of honesty and integrity.