



**CATALOG YEAR 2006-2008**  
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COLLEGE: Arts and Sciences

Current Catalog Page(s) Affected p. 300

**Course: ENGR 2105** Add:  Delete:  Change: Number  Title   
 (check all that apply) SCH  Description  Prerequisite

If new, provide Course Prefix, Number, Title, SCH Value, Description, prerequisite, and lecture/lab hours if applicable. If in current catalog, provide change and attach page with changes in red and provide a brief justification.

**ENGR 2105** *Principles of Electrical Engineering Laboratory*. One semester hour. Laboratory course to accompany ENGR 2305. Laboratory exercises reinforce ENGR 2305 lecture material and place importance on scientific collaboration. Corequisite: ENGR 2305.

**Justification:** Formal addition of laboratory for course ENGR 2305.

**Program:** Add:  Change:  Attach new/changed Program of Study description and 4-year plan. If in current catalog, provide change and attach page with changes in red.

**Minor:** Add:  Delete:  Change:  Attach new/changed minor. If in current catalog, provide change and attach page with changes in red.

**Faculty:** Add:  Delete:  Change:  Attach new/changed faculty entry. If in current catalog, provide change and attach page with changes in red.

**College Introductory Pages:** Add information:  Change information: . Attach new/changed information. If in current catalog, provide change and attach page with changes in red.

Approvals:	Signature	Date
Chair Department Curriculum Committee	_____	_____
Chair Department	_____	_____
Chair College Curriculum Committee	_____	_____
Dean	_____	_____

# **ENGR 2105 Principles of Electrical Engineering Laboratory**

## **Description**

Laboratory course to accompany ENGR 2305. Laboratory exercises reinforce ENGR

2305 lecture material and place importance on scientific collaboration.

Corequisite: ENGR 2305.

## **Class schedule**

TBA.

## **Office hours**

TBA, or by appointment.

## **Students' learning outcomes**

Upon the completion of this laboratory, students will be able to:

- Design and analyze experiments on digital and analog circuits progressively in increasing levels of difficulty
- Be familiar with time and frequency domain measurement techniques and have an understanding of the limitations of lab instruments
- Be familiar with the use of software for circuits analysis
- Develop oral and written technical communication and documentation, and exhibit a systematic approach to problem solving
- Develop an experimental scientific approach to solve engineering problems
- Work in a team/partnership environment.

## **Textbook**

Handouts (Lab manual) will be distributed.

## **Lab preparation**

Students must read the manual carefully be prepared for the experimental procedure with good understanding of the relevant theory.

## **Lab procedural routine**

- Lab reports are due at the beginning of the lab session.
- Start the experiment.

- Ask for help when in trouble with circuits and equipments.

### **Attendance**

Roll is formally taken in class. If there is a good reason that you must miss the class for an extended period of time please talk with me to make arrangements to cover the material.

### **Late Policy**

Homework assignments are due in one week. Homework assignments are due on time, with the singular exception of documented excuses. Late homework will be docked 20% of face value of each day of tardiness.

There will be no makeup exams in general. Makeup exams are given only under certain documented extenuating circumstances.

### **Academic dishonesty/ Plagiarism**

No form of cheating/plagiarism will be tolerated.

### **General philosophy**

Asking questions is strongly encouraged. Come to my office hours if you have problems with the material. Email me if you need to make an appointment.

### **Classroom Behavior**

The College of Arts and Sciences encourages classroom discussion and academic debate as an essential intellectual activity. It is essential that students learn to express and defend their beliefs, but it is also essential that they learn to listen and respond respectfully to others whose beliefs they may not share. The College will always tolerate diverse, unorthodox, and unpopular points of view, but it will not tolerate condescending or insulting remarks. When students verbally abuse or ridicule and intimidate others whose views they do not agree with, they subvert the free exchange of ideas that should characterize a university classroom. If their actions are deemed by the professor to be disruptive, they will be subject to appropriate disciplinary action, which may include being involuntarily withdrawn from the class.

### **Copyright Restrictions**

The Copyright Act of 1976 grants to copyright owners the exclusive right to reproduce their works and distribute copies of their work. Works that receive copyright protection include published works such as a textbook. Copying a textbook without permission from the owner of the copyright may constitute copyright infringement. Civil and criminal penalties may be assessed for copyright infringement. Civil penalties include damages up to \$ 100,000; criminal penalties include a fine up to \$ 250,000 and imprisonment.

Copyright laws do allow students and professors to make photocopies of copyrighted materials under strict conditions. You may not copy most, much less all, of a work, but you may copy a limited portion of a work, such an article from a journal or a chapter from a book. These copies must be for your own personal academic use or, in the case of a professor, for personal, limited classroom use. In general, the extent of your copying should not suggest that the purpose or the effect of your copying is to avoid paying for

the materials. And, of course, you may not sell these copies for a profit. Thus, students who copy textbooks to avoid buying them or professors who provide photocopies of textbooks to enable students to save money are both violating the law.

### **Plagiarism and Cheating**

Plagiarism is the presentation of someone else's work as one's own. Recently, the Internet has complicated the picture. Getting something from the Internet and presenting it as one's own is still plagiarism. Copying another student's paper or a portion of the paper - is usually called "copying". Neither plagiarism nor copying will be tolerated. Should a faculty member discover that a student has committed plagiarism, the students will receive a grade of "F" in that course and the matter may, if necessary, be referred to the Associate Vice President for Student Affairs for possible disciplinary action.

### **Students with Disabilities**

Texas A& M International University seeks to provide reasonable accommodations for all qualified persons with disabilities. This University will adhere to all applicable federal, state, and local laws, regulations and guidelines with respect to providing reasonable accommodations as required to afford equal education opportunity. It is the student's responsibility to register with the Disabilities Services Coordinator and to contact the faculty member in a timely fashion to arrange for suitable accommodations.

### **Incomplete Grade Assignments**

Incompletes are discouraged and are assigned only under extenuating circumstances. To qualify for an Incomplete, the student must be passing the course and have completed 85-90\% of the requirements at the time the Incomplete is approved. In fairness to those students who complete the course as scheduled, only under extremely exceptional conditions will an Incomplete ("I") be changed to an "A".

### **Independent Study Courses**

Independent Study (IS) courses are offered only under exceptional circumstances. The chair of the department is to determine whether the IS will be offered on the basis of the student's and the University's needs, as certified by the University Registrar. No student will take more than one IS course per semester. Moreover, IS courses are limited to seniors and graduate students. Summer IS course must continue through both summer sessions.

### **Student Responsibility for Dropping a Course**

It is the responsibility of the STUDENT to drop the course before the drop date. Faculty are not responsible for dropping students who suspend class attendance".

### **Final Examination**

Final Examinations must be comprehensive and must be given on the day specified.

### **Student E-mail Address**

All students must obtain a TAMIU e-mail address.