

**EET 213  
Power Supplies  
Fall 2006**

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**Prerequisite:** EET 125

**Text:** Electronic Principles by Malvino (6th Ed.)  
Introductory Circuit Analysis by Boylestad (10<sup>th</sup> Ed.)  
Handouts

<u>Week</u>	<u>Topics</u>	<u>Assignments</u>
1	Course introduction, review of rectifiers	Malvino Ch 4
2	Transformers, Filters	Boylestad Ch
21,10,12		
3	Filters	Boylestad Ch 10,12
4	Zener regulators	Malvino Ch 5
5	Shunt regulators	Malvino Ch 24
6	Series regulators	Malvino Ch 24
7	Current limiting <b>Test #1</b>	Malvino Ch 24
8	Three terminal regulators	Malvino Ch 24
9	IC regulators	Malvino Ch 24
10	Batteries	Handout
11	Batteries	Handout
12	DC-DC Converters	Malvino Ch 24
13	DC-AC Converters	Malvino Ch 24
14	Switching Regulators	Malvino Ch 24
15	Switching Regulators <b>Test #2</b>	Malvino Ch 24
16	Alternative power supplies	Handout
17	<b>Final Exam</b>	

**Textbook**

There is no new textbook for this class. We will be using texts from previous classes. This information will be supplemented with handouts and class notes.

**Class Supplies**

In addition to the supplies that you have accumulated in all of the prerequisite courses, you will be issued a new kit for this course. Make certain that all supplies are in good working order and well organized. You should have a means to take notes and record lab data in a chronological, orderly manner. Calculators should be with you at all times.

### **Tests, Quizzes & Attendance**

Tests will cover material presented during lectures/discussions, lab exercises, and from the text. Department policy states that tests & quizzes may NOT be made-up without the prior consent of the instructor. Regular class attendance is REQUIRED in this course! If you miss a class, please notify the instructor as soon as possible so that you can obtain information on missed assignments.

### **Withdrawal/Drop Policy:**

“At any time prior to the deadline dates established, an instructor may withdraw a student from class because of poor attendance, poor academic performance, inappropriate academic behavior such as, but not limited to, cheating or plagiarism, disregard for safety rules, or for improper conduct.” (College Catalog, pg. 16)

At midterm the instructor will review class progress and may recommend that students who are not progressing satisfactorily be sent a letter advising them to meet with their instructor. If a student can no longer attend or for any reason must drop the course, it is his/her responsibility to officially withdraw.

### **Sexual Harassment & Academic Misconduct:**

This class will operate under the guidelines presented in the current college catalog in reference to sexual harassment, academic misconduct and plagiarism.

### **Evaluation:**

2 Major Tests	50%
Quizzes, labs, & HW	30%
Final Exam	20%

### **Scale:**

A = 100% - 90%
B = 89% - 80%
C = 79% - 70%
D = 69% - 60%

### **Assistance:**

If you have a documented disability, need extra assistance to maintain a “C” in this class or have a need for academic support, please contact the StAR Program (ext. 2230 or visit office J-2025). The StAR program is described in detail in the Student Handbook.

### **Class Cancellation:**

When classes are cancelled due to weather conditions, the college will post this information on its website: [www.jjc.edu](http://www.jjc.edu) or will notify area radio and television stations (as listed in the Course Catalog on page 15).

### **Advising:**

Students that are working to complete any EET degree or certificates should meet with their advisor at least once a semester to ensure that they are making the necessary progress and taking the correct classes.