

ECE 418/618
Power System Analysis
Fall / 2009

Instructor: Dr. E. B. Makram
Office: Rm. 303C Riggs Hall, ph 656-3378
Office Hours: 11AM - noon MWF or by appointment
Email: elham.makram@ces.clemson.edu

Location: 226 Riggs Hall, 11:00 – 12:15 TTH

Text: Analysis of Power Systems
John J. Grainger and William D. Stevenson

Attendance: Attendance is voluntary but strongly encouraged.
Test attendance and final exam are mandatory.

<u>Number of Periods</u>	<u>Chapters</u>	<u>Homework</u>
2	One	will be assigned every Thursday
3	Seven	
3	Eight	
4	Nine	
3	Ten	
1	Review Problems	
4	Eleven	
3	Twelve	
3	Thirteen	
4	Sixteen	
1	Review Problems	

Tentative dates for tests:

TEST # 1: September 22, 2009.

TEST # 2: October 20, 2009.

TEST # 3: November 24, 2009.

Power Field Trip: Field trip to Santee Cooper on October 1st, 2009.

Academic Integrity: The Honor Code for the College of Engineering is in effect for all engineering courses. Clemson University also has a published statement in “Academic Integrity”. Lying, cheating, or stealing detracts from the value of a Clemson degree. Please see your student handbook for more details. Collaborating on homework is allowed provided you do your own work; however, copying homework is not permitted and will result in zero on that homework for everyone involved.

Homework: We will have approximately weekly assignments (every Thursday) during the course. Homework is turned in at the beginning of the class period at which it is due only. Solutions will be posted in the BLACKBOARD.

Tests: Each test and the final exam will be closed book with a formula sheet (one sheet is permitted, handwritten equations and formulas only and it will be turned in with the test). Two tests will be considered for undergraduate students only (lowest test grade will be dropped). The three Tests will be averaged for graduate students. Test attendance is mandatory. There will be no make-ups. In the event that a true, documented personal emergency is going to cause an absence from a test, let me know immediately, otherwise a zero will be assigned for the missed test.

Design Project: The project will be assigned by the middle of the semester, one for ECE-418 and a different one for ECE-618. This project will count 15% of the total grade.

Grading: 30% tests average, 25% homework, 30% final exam, and 15% project. The written part of the project's report may be considered as a part of the ETC grade. Extra points will be given during the semester as bonus*.

* Bonus includes: Power Seminars, in class pop quizzes, power field trip and announced bonus homework.

Final Grades:

90% and above	A
80% - 89.9 %	B
65% - 79.9 %	C
50% - 64.9 %	D (for undergraduate students only)
Below 50%	F

Note: Once I enter the class final grades on-line you can immediately learn your grades using a touch-tone phone (864-656-2255). PC connected to the mainframe computer, or Clemson Web <http://www.clemson.edu/clemweb/>.