

Syllabus

Advanced Circuits & Systems Lab
Three Rivers Community College
John Forella, Instructor

EET K120

Fall 2008
E-mail: forella@earthlink.net
Office Hours: by appointment

Course Description

This course provides hands-on laboratory experience in setting up circuits and making measurements of a variety of electrical circuits covered in Advanced Circuits & Systems. Both computer analysis and bench experimentation are employed.

Lab schedule

Week	Date	Lab	Topic
1	9/10	Lab 1	Inductive Reactance
2	9/17	Lab 2	Capacitive Reactance
3	9/24	Lab 3	Series Impedance
4	10/1	Lab 4	Series Impedance
5	10/8	Lab 5	Parallel Admittance Measurements
6	10/15	Lab 6	Series-Parallel Impedance Network
7	10/22	Lab 7	Mesh Analysis
8	10/29	Lab 8	Nodal Analysis
9	11/5	Lab 9	Superposition
10	11/12	Lab 10	Thevenin Equivalent Circuit
11	11/19	Lab 11	Norton Equivalent Circuit
12	12/3	Lab 12	AC Power and the Wattmeter
13	12/10	Lab 13	TBD
14	12/17	Lab 14	TBD

Method of Evaluation

Grading will be based on a combination of work performed in the laboratory and the lab reports with the following percentages:

50%	Lab Performance and Attendance
50%	Lab Reports

Lab Reports

Students may work in pairs or alone. However, each student must submit a lab report. Lab reports must be written in accordance with the **Lab Report Guidelines** provided by the instructor and are due on the week following the lab activity. Reports submitted after that time will be considered late and a reduction in grade will be applied. The grade reduction will increase as the number of late weeks increases.

General Statements

If you are a student with a disability and believe you will need accommodations for this class, it is your responsibility to contact the Disabilities Counseling Services at 383-5240. To avoid any delay in the receipt of accommodations, you should contact the counselor as soon as possible. Please note that I cannot provide accommodations based upon disability until I have received an accommodation letter from the Disabilities Counselor..

Students may withdraw, in writing or verbally at the Registrar's Office for any reason until the end of the 10th week of classes. From the 11th week through the end of the 13th week, a student may withdraw with the instructor's written approval.