



Louisiana Tech University
Department of Electrical Engineering



ELEN 223 – Electrical Engineering and Circuits II

Course Information

Spring 2011

- Description: Transient analysis of electrical circuits and high order systems, complex frequency, and resonance phenomena. Operational amplifiers. Computer solution of circuits, electrical instruments, devices, and design for measurements in electrical networks.
- Instructor: Dr. Rastko R. Selmic, Email: rselmic@latech.edu,
Web: <http://www.latech.edu/~rselmic/Courses/>
Tel: 318-257-4641, Office: Nethken Hall 229.
- Class Hours: MWF, 11:00am – 12:15pm, NH 153
- Office Hours: MTWRF 8:00am – 10:00am or by appointment
- Prerequisites: ENGR 221, and credit or registration in MATH 244, cumulative GPA>2.0 for MATH 240 through MATH 244.
- Textbook: *Engineering Circuit Analysis*, 7th Edition, W. H. Hayt, J. E. Kemmerly, and S. M. Durbin, McGraw-Hill, New York, 2007.
- Recommended Software: OrCAD Capture (PSPICE) or Micro Cap 10 Evaluation software
- Grading: There will be homework, two exams and final exam. If you have a question on grading of an assignment or an exam, please contact instructor about your question within one week of the time the grade is received. Here is weighting of grades:
- Homework and Participation in Class -- 15%
 - Design Problems -- 15%
 - Exam I -- 20% (closed book and notes), Friday, April 8
 - Exam II -- 20% (closed book and notes), Friday, April 29
 - Final Exam -- 30% (1 sheet one side), Monday, May 16
- Scale used: A = 100-90%, B = 89-80%, C = 79-70%, D = 69-60%, F = below 60%.
- Tests: All tests will be closed book and closed notes. You will be allowed to bring one sheet of notes (8.5" x 11") one side for the final exam, and a calculator. Students will be required to clear the memory of the calculator prior to beginning the test. No make up exams unless approval is obtained prior to the scheduled test date.
- Homework: Weekly homework will be assigned. Homework will be graded. No late homework will be accepted. Some homework may require computer

simulation.

Other Policy:

- a. Class attendance is governed by university regulations published each year in the university bulletin (page 26).
- b. In the event of the appeal, student is responsible for keeping all original graded materials (exams, homework, projects).