

*Why
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332:221 Principles of Electrical Engineering I

Come to the course on Circuit Analysis as a stranger and leave the course as a local. It does not take much to be at home with Circuit Analysis. Attend the classes and do Home Work all by yourself, then you will shine. Like in the case of driving an automobile, laws of Circuit Analysis are simple and straight forward. However, it takes practice to be at home with Circuit Analysis. This is where doing Home Work plays a significant role. Why not do HW?

Instructor: Professor P. Sannuti, Office - CoRE 525, Phone: 732-445-3127
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Office hours: Monday and Thursday: 1:00 PM to 3:30 PM or by appointment.

Course and lab Website: www.ece.rutgers.edu/~psannuti
e-companion for the course can be reached via <http://rutgersonline.net>.

Prerequisite: 01:640:152 Calculus for Mathematical and Physical Sciences

Co-requisite: 01:640:251 Multivariable Calculus

Text: Circuits by Fawwaz T. Ulaby and Michel M. Maharbiz, NTS (National Technology and Science Press)

Syllabus: Chapters 1 to 4, in Chapter 5 sections 5.1, 5.2, 5.3 and part of 5.6 dealing with integrator and differentiator circuits, Chapters 7 and 8, and miscellaneous topics as presented in class notes.

Exams: There will be two hourly exams, and a final exam or a third hourly exam.

Grading: Collected and graded Home-work is worth 15% of the course grade, the rest is distributed among two hourly exams, final exam or another hourly exam at the end. The exact grade distribution will be announced before the final exam.

PSPICE & Multisim: As a part of lab, you need to work with PSPICE or Multisim, circuit simulating software. Two files, one containing the basics of PSPICE and the other the basics of Multisim can be found at the Course Website, www.ece.rutgers.edu/~psannuti.

Data about TAs will be announced shortly.

Please come to Office hours if you need help.
You are paying for it in your tuition bill.