

EE 202

Electrical Circuits II

Instructor: Burak Acar
Teaching Assistant: Hüseyin Afşer, Utku Yavuz
Class hours: Tuesday & Thursday 13:00-15:00
Textbook: *Electric Circuits*,
Nilsson & Riedel
Pearson, 9th Edition
Supplementary: *Fundamentals of Electric Circuits*,
Charles K. Alexander, Matthew N.O. Sadiku
McGraw-Hill, 2nd /3rd Edition

Topics:

1. Laplace Transform (CH12)
2. Laplace Transform in Circuit Analysis (CH13)
 - a. Circuits in Laplace Domain
 - b. Transfer Functions
 - c. Bode Diagrams (App. E)
3. Passive filters (CH14)
4. Active filters (CH15)
5. Fourier series (CH16)
6. Fourier transform (CH17)
7. Two-port circuits (CH18)

Grading:

Homeworks: 0% (will not be graded)
Pop quizzes : 5%
Midterms(2): 30% each (MT1: 25.03.2014, MT2: 29.04.2014)
Final: 35% (Students who have collected 20% of the full score, ie. 20/65 points from the quizzes and the midterms, can take the final exam.)

The most important component is your ethical attitude. Full compliance with the Code of Ethics of the EE Department (which basically requires that all graded work must be done individually) is required.