

EEE202-CIRCUIT

CONTENTS OF 1st MIDTERM

- The Sinusoidal Source
- The Sinusoidal Response
- The Phasor
- The Passive Circuit Elements in the Frequency Domain
- Kirchhoff's Laws in the Frequency Domain
- Series and Parallel Simplifications
- Source Transformations and Thevenin-Norton Equivalent Circuits
- Maximum Power Transfer
- The Node-Voltage Method
- The Mesh-Current Method
- Power Calculations: complex power, real power, reactive power, and apparent power
- Power factor correction

Text book:

ELECTRIC CIRCUITS, James W. Nilsson and Susan A. Riedel
Fundamentals of Electric Circuits, Charles K. Alexander and Matthew N. O. Sadiku

Midterm date and time

12 May 2020 Tuesday @ 10:00 o'clock