



Fundamentals of Electrical Engineering II

Course Code: 25093
Credits: 3
Course Type: Theoretical
Prerequisites: Fundamentals of Electrical Engineering I
Corequisite: -
Course Length: 51 hours

Outline:

1. Magnetic materials, systems and Circuits
2. Principle of Electromechanical energy conversion
3. Transformers, auto transformers, single phase and three phase transformers
4. DC motors and generators
5. Fundamental of AC machines
6. Synchronous generators and motors
7. Induction motors

References:

Stephen J. Chapman, *Electric Machinery Fundamentals*, 5th ed., McGraw-Hill, 2012