Electrical Power Engineering

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Course Code: EPE 223

Study Hours: 4 Lect. + 2 Tut







Final Exam: 67%.

Midterm: 20%.

Year Work & Quizzes: 13%.

Textbook:

Hadi Saadat, Power System Analysis

Syllabus

• Introduction.

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- Fundamentals of electrical power engineering.
- A.C and D.C power transmission.
- A.C and D.C power distribution.
- Interconnections of power systems.
- Transmission and distribution system.
- Substations and circuit breakers.

Cont. Overhead lines. 8 • Cable Systems. ğ • Transformers. 10 • Connection of "green-energy" generation to power systems. 11 • Protection of individuals, equipment and power system installations. 12 • Protective devices and insulation co-ordination. 13

• Generation of high voltage systems.

14



For Your Attention

Mohamed Ahmed Ebrahím