Energy Storage & Transmission

By

Prof. Dr. Eng. Mohamed Ahmed Ebrahim Mohamed

E-mail: <u>mohamedahmed_en@yahoo.com</u>

mohamed.mohamed@feng.bu.edu.eg

Web site: http://bu.edu.eg/staff/mohamedmohamed033



FACULTY OF ENGINEERING- SHOUBRA

Lecture (1)

Course Code: ESE506

Prerequisites: ESE403 & ESE501

Study Hours: 3 Cr. hrs.

= [2 Lect. + 2 Tut]

Assessment:

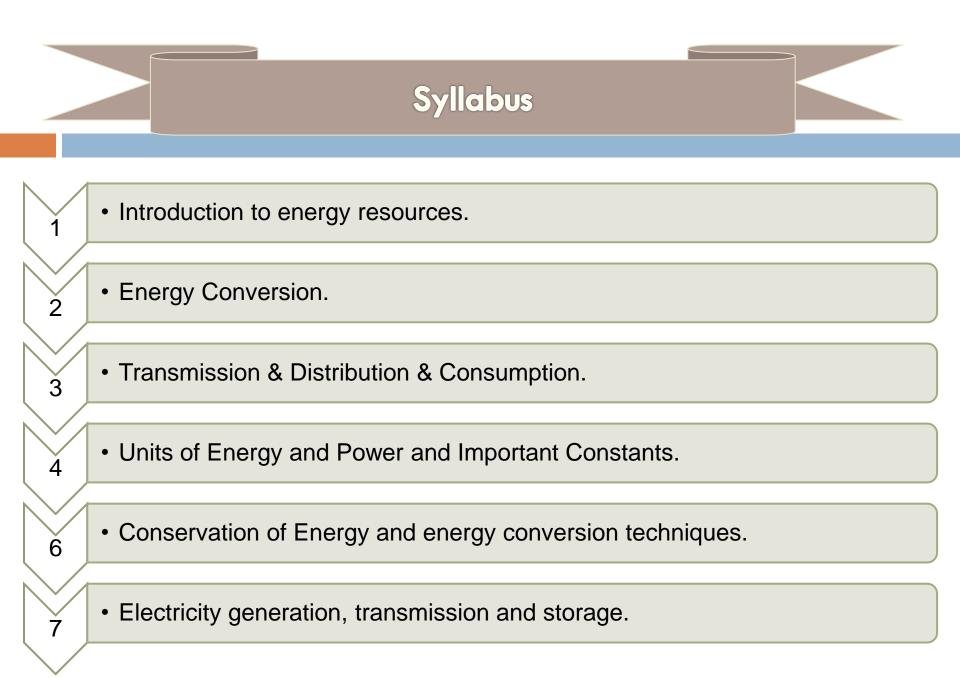
Final Exam: 40%.

Midterm: 30%.

Midterm: 20%.

Year Work & Quizzes: 10%. Textbook:

Energy Storagea Hadi Saadat, Power System Analysis



Cont.

Energy consumption; Domestic and industrial. **ě** Case studies. ğ Introduction to green energy policy and climate change mitigation. 10 Renewable energy systems; wind power, hydro power, solar, biomass, and biofuel, geothermal. 11 Case studies of major installations. 12 Economics and politics of renewable energy systems. • 13 • Structure, design, efficiency of electrical transmission grids. 14



