## Energy Storage & Transmission

#### By

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FACULTY OF ENGINEERING- SHOUBRA

# Lecture (1)

#### Course Code: ESE506

### Prerequisites: ESE403 & ESE501

## Study Hours: 3 Cr. hrs.

#### = [2 Lect. + 2 Tut ]

Assessment:

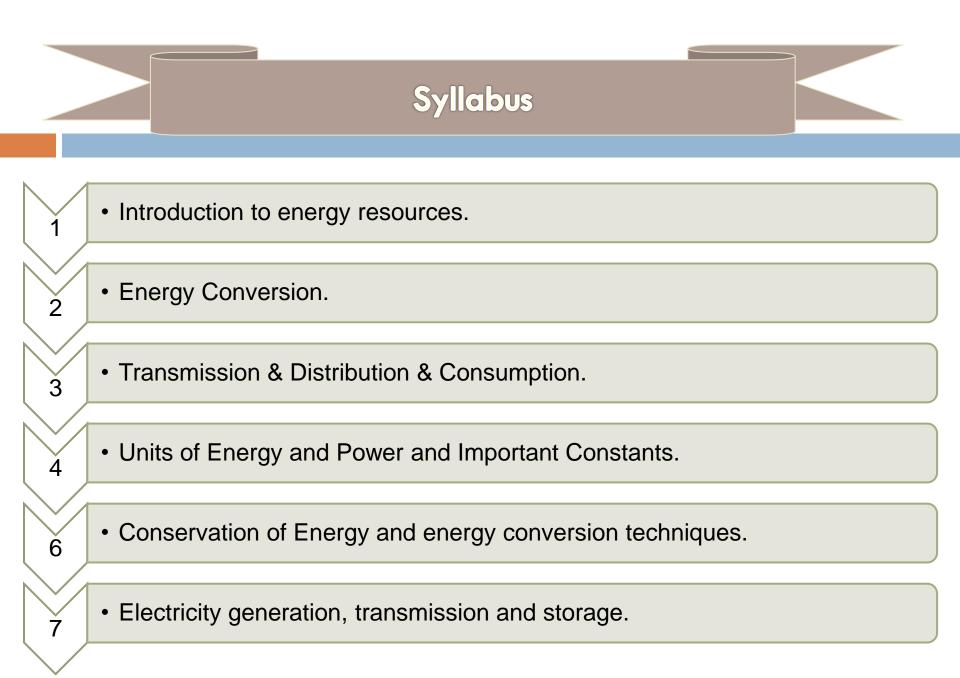
Final Exam: 40%.

**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



