**Course information**

***Course name:*** Principles Of (Electromechanical)Energy Conversion

***Instructor:***Dr. Salih FADIL

***Time:*** Monday: 13.00-13.45, 14.00-14.45, 15.00-15.45

Wednesday:13.00-13.45, 14.00-14.45, 15.00-15.45



Friday: 14.00-14.45, 15.00-15.45, 16.00-16.45

***Text Book:*** Energy Conversion; Electric Motors and Generators

*Raymond Ramshaw, R. G. Van Heeswijk*

Power System Analyses and Design

*J. Duncan Glover, Mulukutla Sarma*

***Exam Schedule:*** Midterm exam weight: 40%,

Final exam weight: 60%

***Attendance:*** Attendance will be taken in each class during the semester. Maximum absentee hours is 0.3x(14x3)=12.6 h 🡪 **13 h. Any student having 14 or more absentee hours is going to take DZ in this class.**

***Content:***

* + - * Introduction
      * Electromechanical Energy Conversion
      * Motors and Generators
      * Some Example Problem Solutions
      * Energy Conversion and Dynamic Circuits
      * Transformers
      * Pu Systems
      * Balanced Three Phase Systems

Each class is recorded as video file. The video files will be put on OneDrive. The material presented during the classes will also put on Canvas (Uzem).

Couse video files can be reached via

<https://ogrencioguedutr-my.sharepoint.com/:f:/g/personal/salih_fadil_ogrenci_ogu_edu_tr/EjEcVYS1qNdOox4lpNgkY_kBuh5_mhRjoIA9k9Wf27vVtQ?e=uYsLYi>

