Instructor: Alireza Khaligh  
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Grading:  
Homework 10%  
Mid-Term Exam 1 30%  
Mid-Term Exam 2 30%  
Final Exam 30%  
Course Grade 100%

Class hours: Mondays and Wednesdays: 3:30 pm - 4:45 pm  
Office hours: Mondays and Wednesdays: 2:00 pm - 3:30 pm  
Prerequisites: ENEE322, ENEE380, and completion of all lower-divisions in the electrical engineering curriculum.

Course Description:

Course Purpose:
There is contest among people that oil and gas are finite sources, which are becoming scarce and expensive. Renewable energy systems are being investigated extensively by researchers and companies to replace the conventional systems. Currently, there is no course in the area of renewable energy sources for students, especially students in electrical engineering. The purpose of this course in renewable energy sources is to give an overview of the major aspects of renewable energy systems with emphasize on solar and wind energy conversion systems. Applications of power electronics as well as grid-connected systems will be explained.

Course Text:
Instructor will use technical papers and notes. The following books can be used as reference.