

# Power Distribution Systems

## EEEN452

Spring 2020

## *Power Distribution Systems*

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### **Course Content**

- Introduction to power distribution systems
- Distribution Networks
- Load Characteristics
- Voltage Drop
- Power Losses
- Radial Networks
- Meshed and Ring Networks
- Underground Cables
- Short Circuit Calculations
- Active Distribution Systems (Microgrids)



### **References**

- *ELECTRIC DISTRIBUTION SYSTEMS*  
Abdelhay A. SALLAM, OM P. MALIK
- *Distribution System Modeling and Analysis*  
William H. KERSTING
- *Principles of Power System*  
V.K. Mehta and Rohit Mehta

### Conduct of Course

- 1 midterm exam
- 2 Assignments
- 2 Quizes
- 1 final exam



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### **Grading**

- Midterm exam (25 pts.)
- Assignments (20 pts.)
- Quizes (15 pts.)
- Final exam (40 pts.)



## Updates:

This syllabus is subject to modification. Any changes will be announced in class and posted on the course webpage.

The instructor reserves the right to make changes to this syllabus as necessary.

