EECE326 Energy Systems LAB – Spring 2022

₭ CRN 13721

- ₭ Goals and Objectives
 - Understand electric power system through experiments (and/or simulations) : <u>Labs 1 - 9</u>
 - ☑ phasor concept; real and reactive power; phase angle
 - Synchronous generators & induction machines
 - Understand and <u>design</u> renewable micro-grid power systems through modeling and simulation: <u>Labs 10 & 11</u>
 - ⊠stand-alone
 - ⊠grid-connected
- Hab manual class website www.mwftr.com/325S22.html
- ***** Check Syllabus for more details

Grading Policy

- ₭ Lab Reports (80%)
 - Pre-Lab submission before lab session
 - Report 2 parts
 - ⊠ Measurements: Filling the spaces/blanks in the Lab manual
 - Questions and Problems
 - ─ Submission
 - ⊠via email or Slack
 - Within 1 week after a Lab session
- ₭ Final Exam (20%)
 - We will have testExam a few weeks before for foretasting the final exam
- Extra (5%) attendance
 - 🗠 On-time arrival
 - Contingency Plan
 - Roll-call & on-time response (via email or Slack)

Course Teaching/Leaning Mode

□ In-Person Teaching/Learning

- **Contingency** Plan:
 - □ Blackboard + Class Webpage (video lecture)
 - □ Modeling and Simulation
 - □ Inverse approach

□ Communication: Email + Slack