EECE325 Fundamentals of Energy Systems – Spring 2022

∺ CRN 13717

Class Days & Hours: MW 11:40 – 1:00 PM & M 1:10 – 2pm

₭ Goals and Objectives

☐Understand electric power systems

Analyze power system with <u>phasor</u> concept

☐Understand electric power generation types:

☑Conventional

⊠Distributed generation: conventional and renewable

Renewable

Study wind resources and wind power systems

Study solar resources and Photo-voltaic power systems

***** Check <u>Syllabus</u> for more details

EECE325 Fundamentals of Energy Systems – Spring

Textbook

Gilbert Masters, <u>Renewable and Efficient Electric Power Systems</u>

△ 1st or 2nd edition
△ Search for pdf

₭ M 1:10 – 2:00pm Class

○ Continuation of regular class

Recitation

More problem solving

△ Lab background topics



Class Website: <u>www.mwftr.com/325S22.html</u>

Course Teaching/Leaning Mode

In-Person Teaching/Learning
Contingency Plan:
Blackboard + Class Webpage (video lecture)

□ Communication: Email + Slack

□ Calculation tool: <u>Smath Studio</u> or <u>Python</u>

Grading Policy

₭ Assignments (30%)

Due set

Extendable <u>upon request</u> followed by approval

Essay ("Carbon emission and capture") (10%)

Exams (60%): Exam 1, Exam 2, and Exam 3 (each 20%)

we may have a textExam before each exam for foretaste of the real exam.

- ₭ Extra (5%) attendance
 - ○On-time arrival

Contingency Plan:

⊠Roll-call & on-time response (via email or Slack)