



STARK STATE COLLEGE

GENERAL SYLLABUS

Course Information

Course Name: NEC and Electrical Systems Design
Course Number: EET128

Required Materials

Textbook(s):

Energy-Efficient Electrical Systems for Buildings

Moncef Krarti, 1st Edition, CRC Press, 2017
 ISBN-978-1482258332

NEC 2017: National Electrical Code 2017/ NFPA 70

National Fire Protection Association
 ISBN-978-1455912797

Required Readings: None

Additional Materials: Class Notes, Handouts, and Lecture Files

Course Outline/Calendar

The date of coverage and order of coverage may be modified based on the faculty member and events beyond the control of faculty members that interfere with class times and teaching.

Week	Chapter/Topic/Lab
1	Chapter 1-Introduction
2	Overview of Electrical Circuits, Quiz #1
3	Chapter 3-Electrical Transformers
4	Chapter 4-Electical Motors
5	Protection Systems, Exam I
6	Branch Circuits and Feeders
7	Chapter 6, Quiz #2
8	Chapter 7-Electrical Systems for Dwellings
9	Exam II
10	Electrical Systems for Commercial Buildings
11	Chapter #8-Economice Analysis of Energy Projects
12	Quiz #3, Energy Efficient Electrical Systems
13	Chapter 10-Powe Quality in Buildings
14	Exam #III, Photovoltaic Systems/Power Generation and Cogeneration Systems
15	Chapter 12- Optimal Integration of Energy Efficiency with Renewable Generations
16	NEC Project Presentations & Review, Final Exam