ELE 1200 : Basic Industrial Electricity

Lecture: 3:30 – 6:10 pm Tuesday and Thursday, Bldg. E, Room 213

Instructor: Steven Malavolti
malavoltiso@yahoo.com
(815) 326-0199 (cell), until 9 pm
Jim Gibson’s Office Phone: (815) 224-2720 ext. 453, 455 (lab)
Home Phone: (815) 326-0199
Office: D - 107A
Office Hours: By appointment as needed.

Text (required)

Electrical Principles and Practices 3rd Edition, Glen A Mazur & Peter A. Zurlis
ISBN 978-0-8269-1804-8  Workbook

Course overview

This course is designed to enhance the student’s knowledge of Basic Industrial Electricity. This course is first in a series of two classes for industrial electricians. It includes a study of electricity from its basic nature through resistive circuits with DC and AC voltage supplied. Practical applications are emphasized and necessary mathematics are integrated for HVAC, industrial Electricity and Maintenance Certification Programs

Attendance

Students are expected to attend all classes regularly and should not miss more than two classes. If absence from a class is unavoidable, it is the student's responsibility to explain the absence and arrange to complete any work missed. If a student stops coming to class without an appropriate explanation, a grade of F will be issued at the end of the term. It is the student’s responsibility to officially withdrawal from this class.

If you are a student with a documented cognitive, physical or psychiatric disability you may be eligible for academic support services such as extended test time, texts on disc, note taking services, etc... If you are interested in learning if you can receive these
academic support services, please contact either Tina Hardy (mailto:tina_hardy@ivcc.edu) or Judy Mika (224-0350), or stop by the Disability Services Office in B-204.

Cell phones, pagers, two-ways, etc., must be turned off or set to vibrate during class time. Do not initiate a conversation during class. If you receive a call, you may leave the classroom. If cell phone usage is observed and deemed disruptive, one homework score will be deducted (set to zero) from your grade.

Homework
Weekly chapter Workbook homework will be assigned. Grades will be based on the number of correct answers.

Quizzes
As needed basis to check code understanding. (Approximately 4)

Exams
Mid Term and Final will be comprehensive (covering all material up to the week of the exam).

Points (approximate)
- Midterm exam = 100 points
- Final exam = 100 points
- 4 Quizzes = 100 points
- Workbook assignments = 100 points
- Completion of Lab and class participation (mandatory) = 100 points

Grading
- 90 – 100% = A
- 80 – 89% = B
- 70 – 79% = C
- 60 – 69% = D

**REQUIRED** Supplies / tools

Breadboard. Voltmeter, Small Needle nose plies, Scientific Calculator, 1 or 2 gig Flash drive.
**Week #Topic**

Week 1  Classes begin, intro, TOOLS, lab, Chapter 1 and 2

Week 2  Chapter 3 and 4  (August 28, last day for refund)

Week 3  Chapter 8 and 9

Week 4  Chapter 10

Week 5  Chapter 5 and 6

Week 6  Test 1,  Chapter 12

Week 7  Chapter 11

Week 8  Review and **MID TERM EXAM**

Week 9  Chapter 13

Week 10  Chapter 14

Week 11  Chapter 17

Week 12  Chapter 15  (Nov 6 last date to withdrawal)

Week 13  Tuesday NO CLASS, Test 3

Week 14  Chapter 18, 24,25

Week 15  Review and Lab Completions

Week 16  **FINAL EXAM**