Course Description:
Principles of electricity including proper use of test equipment, A/C and D/C circuits, and component theory and operations.

Students MUST actively participate by completing an academic assignment required by the instructor by the official census date. Students who do not actively participate in an academically-related activity will be reported as never attended and dropped from the course.

Text, References and Supplies:
ELECTRICAL PRINCIPLES AND PRACTICES-W/CD, ISBN: 9780826918116
- Scientific Calculator

Learning Objectives:
1. Identify basic principles of electricity (A/C and D/C), voltage, current, and circuitry
2. Apply Ohm's law to electrical calculations
3. Use test equipment to measure continuity, voltage, and current values
4. Use electrical safety practices.

Student Contributions and Course Policies:

Attendance: It is the student’s responsibility to read and understand the official Midland College attendance policy as stated in the college catalog. If students have excessive unexcused absences, they may be sent a warning letter, and can be requested to be dropped from the class. Students that are tardy, take excessive break time, or leave before completion of the day's exercise (including proper clean-up), may be counted absent. This will be at the discretion of the instructor.

Late work: Late work will not be accepted. If you cannot make it to class it is your responsibility to email the instructor with your homework for the week.

Cell phones: Cell phones should be placed on silent while in class. If you need to answer your phone please quietly exit the room before answering the call.

Drop Policy: It is the student's responsibility to drop this course if circumstances develop that prevents his/her completion of the course. Instructors no longer have the prerogative of awarding the letter grade of “W”.

Evaluation of Students:
- Participation/Attendance 25%
- Exams 50%
- Homework 25%
- Total 100%
MIDLAND COLLEGE
SYLLABUS
CETT 1302
ELECTRICITY PRINCIPLES
2-2

90 and above   A
80-89          B
70-79          C
60-69          D
59 and below   F

Course Schedule: This class meets for 3 lecture hours.

SCANS Information: SCANS skills are taught and/or reinforced in energy/petroleum courses. The student must locate, read, interpret and understand instruction information and direction materials. The participant must communicate thoughts, ideas and information through verbal and written mediums. Practical arithmetic and mathematics will apply continually throughout energy/petroleum training. Listening, interpreting, and responding to verbal communications and instructions as well as speaking in response to questioning will be a daily involvement. Thinking, reasoning, visualizing and problem solving are required assets to the energy/petroleum field. The student/participant must display responsibility, self-management and honesty.

Administrative Information: Curt Pervier, Division Chair Technical Studies
Lisa Hays, Division Secretary
Technical Studies
Office: Rm 143 TC
Phone: (432) 685-4676
Fax: (432) 685-6472

Students should feel free to contact the instructor at any time. Appointments are encouraged for advising and planning the most appropriate or beneficial course work.

*Syllabus subject to change as deemed necessary by the instructor to ensure learning objectives and course goals are met.

Students with Disabilities:
Midland College provides services for students with disabilities through Student Services. In order to receive accommodations, students must place documentation on file with the Counselor/Disability Specialist. Students with disabilities should notify Midland College prior to the beginning of each semester. Student Services will provide each student with a letter outlining any reasonable accommodations. The student must present the letter to the instructor at the beginning of the semester.
Midland College does not discriminate on the basis of race, color, national origin, sex, disability or age in its programs and activities. The following individuals have been designated to handle inquiries regarding the non-discrimination policies: Tana Baker, Title IX Coordinator/Compliance Officer, 3600 N. Garfield, SSC 242, Midland, TX 79705, (432) 685-4781, tbaker@midland.edu; Natasha Morgan, Director Human Resources/Payroll, 3600 N. Garfield, PAD 104, Midland, TX 79705, (432) 685-4534, nmorgan@midland.edu. For further information on notice of non-discrimination, visit http://wdcrobc01.ed.gov/CFAPPS/OCR/contactus.cfm or call 1 (800) 421-3481.

Spanish

Midland College no discrimina por motivos de raza, color, nacionalidad, sexo, discapacidad, o edad en sus programas o actividades. Las siguientes personas han sido designadas para responder a cualquier pregunta o duda sobre estas políticas no discriminatorias: Tana Baker, Title IX Coordinator/Compliance Officer, 3600 N. Garfield, SSC 242, Midland, TX 79705, (432) 685-4781, tbaker@midland.edu; Natasha Morgan, Director Human Resources/Payroll, 3600 N. Garfield, PAD 104, Midland, TX 79705, (432) 685-4534, nmorgan@midland.edu. Para más información sobre estas políticas no discriminatorias, visite http://wdcrobc01.ed.gov/CFAPPS/OCR/contactus.cfm o llame al 1 (800) 421-3481.