

El Paso Community College
Syllabus
Part II
Official Course Description

SUBJECT AREA	<u>Electrical Technology</u>								
COURSE RUBRIC AND NUMBER	<u>ELPT 1321</u>								
COURSE TITLE	<u>Introduction to Electrical Safety and Tools</u>								
COURSE CREDIT HOURS	<table style="display: inline-table; border: none;"> <tr> <td style="text-align: center; padding: 0 10px;">3</td> <td style="text-align: center; padding: 0 10px;">3</td> <td style="text-align: center; padding: 0 10px;">:</td> <td style="text-align: center; padding: 0 10px;">1</td> </tr> <tr> <td style="text-align: center; padding: 0 10px;">Credits</td> <td style="text-align: center; padding: 0 10px;">Lec</td> <td></td> <td style="text-align: center; padding: 0 10px;">Lab</td> </tr> </table>	3	3	:	1	Credits	Lec		Lab
3	3	:	1						
Credits	Lec		Lab						

I. Catalog Description

Provides a comprehensive overview of safety rules and regulations. Includes the selection, inspection, use, and maintenance of common tools for electricians. Emphasizes OSHA and NEC code compliance.
(3:1). Lab fee.

II. Course Objectives

Upon satisfactory completion of this course, the student will be able to

- A. Identify arc-fault requirements.
- B. Practice eye and hearing safety with safety glasses and hearing protection.
- C. Utilize safe procedures when using step and extension ladders on the job site.
- D. Safely operate the hand and power tools common to electrical work.
- E. Proficiently operate the multi meter and other electrical devices used by the electrician.
- F. Apply the OSHA rules for Electrical Safety.
- G. Use the terminology of the electrical trade and the rules in the NEC code and definitions.
- H. Identify work limitations.
- I. Treat others with respect and display effective customer service.
- J. Follow instructions.
- K. Demonstrate the self-confidence to ask questions.
- L. Practice personal time management.
- M. Document on-the-job training hours and duties.
- N. Introduce CPR and First Aid.
- O. Recognize job hazards.
- P. Identify GFCI (Ground Fault Circuit interrupter) requirements.
- Q. Interpret code terminology.
- R. Distinguish among the different electrical phases.

III. THECB Learning Outcomes (WECM)

- 1. Explain electrical hazards and how to avoid them in the workplace.
- 2. Discuss safety issues concerning lockout/tagout procedures.
- 3. Demonstrate safe work habits using common hand and power tools for electricians.

IV. Evaluation

The knowledge and skills stated in the objective must be demonstrated by the students in the form of tests and assignments in order to complete the course. Letter grades will be arranged as follows:

90-100	A
80-89	B
70-79	C
60-69	D
0-59	F

Students should be able to compute their grade average anytime during the course. Missed assignments and make-up tests will be given at the discretion of the instructor.

V. Disability Statement (Americans with Disabilities Act [ADA])

EPCC offers a variety of services to persons with documented sensory, mental, physical, or temporary disabling conditions to promote success in classes. If you have a disability and believe you may need services, you are encouraged to contact the Center for Students with Disabilities to discuss your needs with a counselor. All discussions and documentation are kept confidential. Offices located: VV Rm C-112 (831-2426); TM Rm 1400 (831-5808); RG Rm B-201 (831-4198); NWC Rm M-54 (831-8815); and MDP Rm A-125 (831-7024).

VI. 6 Drop Rule

Students who began attending Texas public institutions of higher education for the first time during the Fall 2007 semester or later are subject to a 6-Drop limit for all undergraduate classes. Developmental, ESL, Dual Credit and Early College High School classes are exempt from this rule. All students should consult with their instructor before dropping a class. Academic assistance is available. Students are encouraged to see Counseling Services if dropping because exemptions may apply. Refer to the EPCC catalog and website for additional information.