

**El Paso Community College**  
**Syllabus**  
**Part II**  
**Official Course Description**

<b>SUBJECT AREA</b>	<u><b>Diesel Mechanics</b></u>								
<b>COURSE RUBRIC AND NUMBER</b>	<u><b>DEMUR 1405</b></u>								
<b>COURSE TITLE</b>	<u><b>Basic Electrical Systems</b></u>								
<b>COURSE CREDIT HOURS</b>	<table style="margin: auto; border-collapse: collapse;"> <tr> <td style="border-top: 1px solid black; border-bottom: 1px solid black; padding: 0 10px;">4</td> <td style="border-top: 1px solid black; border-bottom: 1px solid black; padding: 0 10px;">3</td> <td style="border-top: 1px solid black; border-bottom: 1px solid black; padding: 0 10px;">:</td> <td style="border-top: 1px solid black; border-bottom: 1px solid black; padding: 0 10px;">2</td> </tr> <tr> <td style="text-align: center; padding: 0 10px;">Credits</td> <td style="text-align: center; padding: 0 10px;">Lec</td> <td style="text-align: center; padding: 0 10px;">Lab</td> <td></td> </tr> </table>	4	3	:	2	Credits	Lec	Lab	
4	3	:	2						
Credits	Lec	Lab							

**I. Catalog Description**

Studies basic principles of electrical systems of diesel powered equipment with emphasis on starters, alternators, and batteries. (3:2). Lab fee.

**II. Course Objectives**

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

- A. Perform circuit analysis.
- B. Identify electrical symbols.
- C. Use special tools to test circuits.

**III. THECB Learning Outcomes (WECM)**

- 1. Perform circuit analysis.
- 2. Identify electrical symbols.
- 3. Use special tools.
- 4. Test circuits.

**IV. Evaluation**

The knowledge and skills stated in the objectives must be demonstrated by the students in the form of test and lab assignments in order to complete the course. Performance tests and lab assignments will be weighed as follows:

Performance Tests	40% of final grade
Lab Assignments	40% of final grade
Classroom Participation	<u>20% of final grade</u>
Total	100%

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

**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 (831-8815); 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 instructors 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.