

IMPERIAL VALLEY COLLEGE

Course Syllabus

EWIR 115

Electrical Wiring and Protection

4 Units

T- 8am-12:20PM

TH-8am-12:20PM

Fall 2015

Instructors: Jose Roman

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Office Phone: (760) 355-6361

Bldg 3100, Room 3113 (Frances)

Prerequisites: EWIR 110- Electrical Principles with a grade of “C” or better, or equivalent.

Required Text: **Modern Residential Wiring** Based on the 2014 NEC (Book & Workbook), Harvey N. Holzman. **Dewalt** -Electrical Professional Reference 2014 Code
Recommended text: National Electric Code Softbound 2014 Edition (NFPA 70)

Course Description:

This Course is designed to introduce students to a comprehensive study of Electrical Wiring and Protection. Topics will include NEC, branch circuits and feeders, electrical service and calculations, wiring methods and materials, equipment for general use, conductors and over current protection.

Course Objectives: (*Learning Goals*)

To discuss, define, understand and identify the principles and methods of electrical wiring installation, conductor installations, cable pulling, cable supports, NEC termination requirements, and protection application.

Classroom and Laboratory Rules:

No food is allowed in the classroom. Bottled water is authorized during lectures and lab. Cell phones must be placed in “manner mode” or turned off.

Grading Policy:

The student's grade will be determined by the total number of points earned from each tests, (this include Chapt. tests, midterm, and final exam) review assignments (11) and (10) lab activities. Below you will find the basis for grading:

Exams	550 points
Assignments	250 points
Lab activities	250 points
Attendance	*150 points
Total Points	1200

1200-1080	=	A
1079-960	=	B
959-840	=	C
839-720	=	D

Examination Policy:

All exams are mandatory! The exams will include multiple choice and (maybe-true/false answers). Each exam will cover material presented in class, and be reviewed prior to each exam. **MISSED EXAMS WILL NOT BE ALLOWED TO BE MADE UP!** Cheating on exam and/or plagiarizing will lead to a "Zero" for the test/assignment, and may lead to dismissal from the class.

Attendance Policy:

Class attendance policy follows the regulations in the IVC catalog. Students who receive **three absences** *will be dropped from the course unless prior arrangement has been made with instructor*. Three tardiness shall constitute one absence. Students who fail to return from break shall be marked absent for that session.

***Participation-** This course will only have two days per week of classroom and lab. Therefore, class participation and lab will be part of your grade for this semester.

Disabled Student Program & Services (DSPS):

IVC catalog policy follows the regulation of Section 504 of the Rehabilitation Act and the (ADA) Americans with Disabilities Act. Services are provided to students with reasonable accommodations to students with mobility, hearing, speech, and orthopedic impairments, learning disabilities, psychological disabilities, and other health impairments. Services are provided on an individual basis and may include reader services, note taking, tutoring, counseling, sign language interpreting, priority registration, learning disabilities assessment, and adapted computer instruction. **Note:** visual and color blind may be an electrical safety hazard for the individual who cannot determine or identifying the color code for wiring as part of the National Electrical Code (NEC) electrical safety requirements, and Occupational Safety and Health Administration (OSHA).
