



COURSE SYLLABUS FOR

COMMERCIAL WIRING

ELPT 1445

INSTRUCTOR: Norman Witcher Office Phone: 335-6832 Cell Phone: Office Hours:

COURSE NUMBER: ELPT 1445

CREDIT HOURS: 4 (3/3)

PREREQUISITE: NONE

CATALOGUE DESCRIPTION: Commercial wiring methods. Includes overcurrent protection, raceway panel board installation, proper grounding techniques, and associated safety procedures. (SCANS 3,5,8,9)

TEXTBOOK: *Basic Electronics by Grob*

LAB MANUAL: *Basic Electronics by Grob*

SUPPLIES:

1. Calculator
2. Digital VOM meter
3. Other

LEARNING OUTCOMES:

- Interpret electrical blueprints/drawings
- compute the circuit sizes and overcurrent protection needed for the installation of branch circuits, feeders, and service entrance conductor
- explain the proper installation of wiring devices according to the National Electrical Code (NEC) and local electrical codes
- demonstrate grounding methods; identify commercial wiring methods including conduit bending; and demonstrate proper safety procedures.

COURSE REQUIREMENTS:

- Complete all scheduled homework
- Complete all scheduled labs
- Complete written\lab tests
- Complete a written\lab final test

METHODS OF EVALUATION:

GRADING SCALE	
POINTS	GRADE
90-100	A
80-89	B
70-79	C
65-69	D
0-64	F

WEIGHT OF COURSE REQUIREMENTS	
AREA	GRADE WEIGHT
LAB ASSIGNMENTS	25%
TESTS	25%
FINAL TEST	25%
PROFESSIONALISM	25%
TOTAL	100%

ATTENDANCE POLICY\PROFESSIONALISM POLICY

Attendance is the greatest predictor of your success. Your attendance at EVERY ONE of the classes and labs is important and expected. A substantial grade penalty will be assessed to late work; including homework, lab assignments, and test. The "Professionalism Grade" will be determined by such factors as attendance, tardiness, class participation, and other classroom factors.

COMMERCIAL WIRING SYLLABUS CHART

Item(Name)	Type	Description	Due
1	Discussion\Quiz	Safety	TBA
2	Discussion\Quiz\Lab	NEC Review	TBA
3	Discussion\Quiz\Lab	Wiring Methods	TBA
4	Discussion\Quiz\Lab	Raceways & Boxes	TBA
5	Discussion\Quiz\Lab	Switches & Panels	TBA
6	T E S T		TBA
7	Discussion\Quiz\Lab	Overcurrent Protection	TBA
8	Discussion\Quiz\Lab	Branch Circuit & Feeders	TBA
9	Discussion\Quiz\Lab	Grounding	TBA
10	T E S T		TBA
11	Discussion\Quiz\Lab	Transformers\Voltage System	TBA
12	Discussion\Quiz\Lab	Services	TBA
13	Discussion\Quiz\Lab	Motors & Generators	TBA
14	Discussion\Quiz\Lab	General Use Equipment	TBA
15	Discussion\Quiz\Lab	Special Locations	TBA
16	Discussion\Quiz\Lab	Calculations	TBA
17	FINAL T E S T		TBA

Special Needs

Odessa College complies with Section 504 of the Vocational Rehabilitation Act of 1973 and the Americans with Disabilities Act of 1990. If you have any special needs or issues pertaining to your access to and participation in this or any other class at Odessa College, please feel free to contact me to discuss your concerns. You may also call the Office of Disability services at 432-335-6861 to request assistance and accommodations.

Learning Resource Center (Library)

The Library, known as the [Learning Resources Center](#), provides research assistance via the [LRC's catalog \(print books, videos, e-books\)](#) and [databases \(journal and magazine articles\)](#). [Research guides](#) covering specific subject areas, [tutorials](#), and the "Ask a Librarian " service provide additional help.

Student E-mail

Please access your [Odessa College Student E-mail](#), by following the link to either set up or update your account: <http://www.odessa.edu/gmail/>. **All assignments or correspondence will be submitted using your Odessa College email.**

Student Portal

Please access your [Odessa College Student E-mail](#), by following the link to either set up or update your account: <http://www.odessa.edu/gmail/>. **All assignments or correspondence will be submitted using your Odessa College email.**

Technical Support

For Blackboard username and password help and for help accessing your online course availability and student email account contact the Student Success Center at 432-335-6878 or online at https://www.odessa.edu/dept/ssc/helpdesk_form.htm.

Important School Policies

For information regarding student support services, academic dishonesty, disciplinary actions, special accommodations, or student's and instructors' right to academic freedom can be found in the [Odessa College Student Handbook](#).