



COURSE SYLLABUS FOR

MOTOR CONTROLS

IEIR 1410

INSTRUCTOR: Roy Galloway Office Phone: 335-6832 Cell Phone: Office Hours:

COURSE NUMBER: IEIR 1410

CREDIT HOURS: 4 (3/3)

PREREQUISITE: NONE

CATALOGUE DESCRIPTION: General principles and fundamentals of electrical controls and control components including starters, troubleshooting techniques, various protective devices, schematics, and diagrams. . (SCANS 3,5,8,9)

TEXTBOOK: *ELECTRIC MOTOR CONTROL*

SUPPLIES:

1. Calculator
2. Digital VOM meter
3. Other

LEARNING OUTCOMES:

- Install motor starters to control electric motors
- interpret schematic and wiring diagrams
- select proper pilot devices
- troubleshoot motor control circuits.

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.

MOTOR CONTROLS

SYLLABUS CHART

Item(Name)	Type	Description	Due
1	Discussion\Quiz	Safety	TBA
2	Discussion\Quiz\Lab	Pushbuttons	TBA
3	Discussion\Quiz\Lab	Relays	TBA
4	Discussion\Quiz\Lab	Contactors	TBA
5	Discussion\Quiz\Lab	Ladder Logic\Symbols	TBA
6	T E S T		TBA
7	Discussion\Quiz\Lab	Time Delays	TBA
8	Discussion\Quiz\Lab	Latching Relays	TBA
9	Discussion\Quiz\Lab	Motors	TBA
10	Discussion\Quiz\Lab	Motor Starters	TBA
11	Discussion\Quiz\Lab	Reversing Starters	TBA
12	T E S T		TBA
13	Discussion\Quiz\Lab	Control Devices	TBA
14	Discussion\Quiz\Lab	Motor Braking	TBA
15	Discussion\Quiz\Lab	Motors-Soft Start	TBA
16	Discussion\Quiz\Lab	Transformers	TBA
17	Discussion\Quiz\Lab	VFD Motor Control	TBA
18	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](#).