



North Central State College

MASTER SYLLABUS

2026-2027

- A. Academic Division: Engineering Technology, Business & Criminal Justice Division
- B. Discipline: Industrial Technology – Industrial Maintenance
- C. Course Number and Title: EMMT1030 OSHA Safety Regulations
- D. Assistant Dean: Brooke Miller, M.B.A.
- E. Credit Hours: 2
- F. Prerequisites: None
- G. Last Course/Curriculum Revision Date: Spring 2026 Origin date: 02/09/2012
- H. Textbook(s) Title:
- 1910 OSHA General Industry
 - Publisher: OSHAPDF
 - Copyright Year: **2024**
 - Edition:
 - ISBN: 9798889214489
- I. Workbook(s) and/or Lab Manual:
- II.
- J. Course Description: Students will be taught the approved Occupational Safety and Health Administration (OSHA) curriculum for the 30-hour Voluntary Protection Program course on general industry standards. Subjects covered will include: hazard communications, lockout/tagout, machine guarding, electrical standards, hazardous and voluntary protection program compliance.
- K. College-Wide Learning Outcomes

College-Wide Learning Outcome	Assessments - - How it is met & When it is met
Communication – Written	
Communication – Speech	
Intercultural Knowledge and Competence	
Critical Thinking	
Information Literacy	
Quantitative Literacy	

L. Course Outcomes and Assessment Methods:

Upon successful completion of this course, the student shall:

Outcomes	Assessments – How it is met & When it is met
1. Recognize the hazards and causes of hazards commonly associated with work on or around scaffolds.	Quizzes, midterm and final exam
2. Discuss the general OSHA requirements for scaffold safety.	Quizzes, midterm and final exam
3. Recognize the hazards involved with power transmission and distribution.	Quizzes, midterm and final exam
4. Discuss methods to abate hazards involved with operations such as: tree trimming, live line work, confined spaces, and substation entry	Quizzes, midterm and final exam
5. Identify common machines and associated hazards found within a broad spectrum of industries.	Quizzes, midterm and final exam
6. Identify hazards that occur around machinery, including, but not limited to, woodworking equipment, metal-working equipment, and mechanical power presses.	Quizzes, midterm and final exam
7. Recognize hazards common to abrasive wheels, power transmissions, mills, and calendars.	Quizzes, midterm and final exam
8. Demonstrate portable tool safeguarding.	Quizzes, midterm and final exam
9. Select appropriate OSHA standards that apply to a hazard.	Quizzes, midterm and final exam
10. Explain the importance of energy control programs, procedures, training, audits and methods of controlling hazardous energy.	Quizzes, midterm and final exam
11. Demonstrate the knowledge and skills required to safely perform servicing and maintenance activities.	Quizzes, midterm and final exam
12. Describe the effects of electrical currents on the human body with respect to voltage, current path, and the duration of exposure.	Quizzes, midterm and final exam
13. Discuss the hazards of arc flash and blast	Quizzes, midterm and final exam
14. Identify the elements of an electrical safety program.	Quizzes, midterm and final exam

M. Recommended Grading Scale:

NUMERIC	GRADE	POINTS	DEFINITION
93–100	A	4.00	Superior
90–92	A-	3.67	Superior
87–89	B+	3.33	Above Average
83–86	B	3.00	Above Average
80–82	B-	2.67	Above Average
77–79	C+	2.33	Average
73–76	C	2.00	Average
70–72	C-	1.67	Average
67–69	D+	1.33	Below Average
63–66	D	1.00	Below Average
60–62	D-	0.67	Below Average
00–59	F	0.00	Failure

N. College Procedures/Policies:

North Central State College believes that every student is a valued and equal member of the community.* Every student brings different experiences to the College, and all are important in enriching academic life and developing greater understanding and appreciation of one another. Therefore, NC State College creates an inclusive culture in which students feel comfortable sharing their experiences.

Discrimination and prejudice have no place on the campus, and the College takes any complaint in this regard seriously. Students encountering aspects of the instruction that result in barriers to their sense of being included and respected should contact the instructor, assistant dean, or dean without fear of reprisal.

* *Inclusive of race, color, religion, gender, gender identity or expression, national origin (ancestry), military status (past, present or future), disability, age (40 years or older), status as a parent during pregnancy and immediately after the birth of a child, status as a parent of a young child, status as a foster parent, genetic information, or sexual orientation*

Important information regarding College Procedures and Policies can be found on the syllabus supplement located at

<https://ncstatecollege.edu/documents/President/PoliciesProcedures/PolicyManual/Final%20PDFs/14-081b.pdf>



North Central State College
SYLLABUS ADDENDUM

Academic Division: Engineering Technology, Business & Criminal Justice Division **Discipline:** Industrial Technology, Industrial Maintenance
Course Coordinator: Andrew Shella
Course Number: EMMT 1030 **Course Title:** OSHA Safety
Semester / Session: Fall 2026 **Start / End Date:** 08/17/2026 thru 12/11/2026

Instructor Information

Name: Dave Wright **Credentials:** _____
Phone Number: 419-755-4555 **E-Mail Address:** Dwright@ncstatecollege.edu
Office Location: Kehoe Center – IST Lab **Office Hours:** Tuesday & Thursday 7am to 7 pm

I. Topical Timeline / Course Calendar (Subject to Change):

Weeks	Topics	Assignment	Due Date
1	Walking-Working Surfaces, Exit routes / Emergency Planning	Quiz	08/28/2026
2	Powered Platforms, Manlifts, and Vehicle mounted Platforms / Occupational Health and Environmental Control	Quiz	09/11/2026
3	Hazardous Materials / Personal Protective Equipment	Quiz	09/25/2026
4	General Environmental Controls / Medical and First Aid	Quiz, Midterm Exam	10/09/2026
5	Fire Protection / Compressed Gas and Compressed Air Equipment	Quiz	10/23/2026
6	Materials Handling and Storage / Machinery and Machine Guarding	Quiz	11/06/2026
7	Hand and Portable Powered Tools and other Hand-Held Equipment / Welding, Cutting, and Brazing	Quiz	11/20/2026
8	Electrical	Quiz, Final Exam	12/11/2026

II. Grading and Testing Guidelines:

Final Grade Calculation

Activity	Qty	Points	Percentage
Module Quiz		100	30
Module Lab		100	30
Midterm		100	20
Final Exam		100	20

Course Number: _____
Semester / Session: _____

Course Title: _____
Start / End Date: _____

The student should familiarize themselves with each Subpart(s) listed for each week and take the quiz associated with that section.

The student shall take a Midterm and Final Exam.

- II. Students are expected to work in a manner that is respectful of others. This includes avoiding loud or abusive language.
- III. Students are responsible for verifying that all work has been turned in prior to the end of the semester.