

Eastern Illinois University
New Course Proposal
AET 4903, OSHA Certification for General Industry

Banner/Catalog Information (Coversheet)

1. ☒ **New Course** or ☐ **Revision of Existing Course**
2. **Course prefix and number:** *AET 4903*
3. **Short title:** *OSHA for General Industry*
4. **Long title:** *OSHA Certification for General Industry*
5. **Hours per week:** 3 Class 0 Lab 3 Credit
6. **Terms:** ☐ Fall ☒ Spring ☐ Summer ☐ On demand
7. **Initial term:** ☐ Fall ☒ Spring ☐ Summer Year: 2017
8. **Catalog course description:** *Department of Labor coursework for OSHA-30 General Industry. The OSHA-30 is a certificate provided through the United States Department of Labor signifying 30 hours of safety training. Additional time will be spent on safety and liability management.*

9. Course attributes:

General education component: _____

☐ Cultural diversity ☐ Honors ☐ Writing centered ☐ Writing intensive ☐ Writing active

10. Instructional delivery

Type of Course:

☒ Lecture ☐ Lab ☐ Lecture/lab combined ☐ Independent study/research
☐ Internship ☐ Performance ☐ Practicum/clinical ☐ Other, specify: _____

Mode(s) of Delivery:

☒ Face to Face ☐ Online ☐ Study Abroad
☐ Hybrid, specify approximate amount of on-line and face-to-face instruction

11. Course(s) to be deleted from the catalog once this course is approved. *N/A*

12. Equivalent course(s): *None*

a. **Are students allowed to take equivalent course(s) for credit?** ☐ Yes ☐ No

13. Prerequisite(s): *None*

a. **Can prerequisite be taken concurrently?** ☐ Yes ☐ No

b. **Minimum grade required for the prerequisite course(s)?** _____

c. **Use Banner coding to enforce prerequisite course(s)?** ☐ Yes ☐ No

d. Who may waive prerequisite(s)?

☐ No one ☐ Chair ☐ Instructor ☐ Advisor ☐ Other (specify)

14. Co-requisite(s): N/A

15. Enrollment restrictions

a. Degrees, colleges, majors, levels, classes which may take the course: *All*

b. Degrees, colleges, majors, levels, classes which may not take the course: N/A

16. Repeat status: ☒ May not be repeated ☐ May be repeated once with credit

17. Enter the limit, if any, on hours which may be applied to a major or minor: N/A

18. Grading methods: ☒ Standard ☐ CR/NC ☐ Audit ☐ ABC/NC

19. Special grading provisions:

☐ Grade for course will not count in a student's grade point average.

☐ Grade for course will not count in hours toward graduation.

☐ Grade for course will be removed from GPA if student already has credit for or is registered in:

☐ Credit hours for course will be removed from student's hours toward graduation if student already has credit for or is registered in: _____

20. Additional costs to students:

Supplemental Materials or Software *None*

Course Fee ☐ No ☒ Yes, Explain if yes Course fee of \$8 to pay for certification admin costs

21. Community college transfer:

☐ A community college course may be judged equivalent.

☒ A community college may not be judged equivalent.

Note: Upper division credit (3000+) will not be granted for a community college course, even if the content is judged to be equivalent.

Rationale, Justifications, and Assurances (Part I)

1. ☐ Course is required for the major(s) of _____
☐ Course is required for the minor(s) of _____
☐ Course is required for the certificate program(s) of _____

☒ Course is used as an elective

2. **Rationale for proposal:** *As federal enforcement and focus on safety increases, certifications for employees, particularly for supervisors and project managers, have become a more desirable quality in applicants. This course will provide students with the opportunity to earn the OSHA-30 General Industry certification that will make them more desirable for prospective employment. Additionally, people who complete this course successfully will have knowledge that enables them to protect themselves, their employees, their co-workers, and employers in order to foster a safer workplace.*

3. **Justifications for (answer N/A if not applicable)**

Similarity to other courses: *Some overlap may be perceived with AET 4773: Safety for the Engineering and Technology Professional (Safety Management in the Workplace). However, this course follows the prescribed Department of Labor curriculum for the OSHA-30 certification for General Industry. The AET 4773 course focuses more on tools for the management of safety and liability in the workplace. Another proposed course has overlap, AET 4913: OSHA Certification for Construction. Although the courses share some of the content between them, the end results are two different certifications: OSHA-30 Construction and OSHA-30 General Industry. These certifications are recognized as separate certifications as they cover different parts of the 29th Code of Federal Regulations.*

Prerequisites: N/A

Co-requisites: N/A

Enrollment restrictions: N/A

Writing active, intensive, centered: N/A

4. **General education assurances (answer N/A if not applicable)**

General education component: N/A

Curriculum: N/A

Instruction: N/A

Assessment: N/A

5. **Online/Hybrid delivery justification & assurances (answer N/A if not applicable)**

N/A

Model Syllabus (Part II)

Please include the following information:

1. Course number and title

AET 4903: OSHA Certification for General Industry

2. Catalog description

Department of Labor coursework for OSHA-30 General Industry. The OSHA-30 is a certificate provided through the United States Department of Labor signifying 30 hours of safety training. Additional time will be spent on safety and liability management in the construction field.

3. Learning objectives.

- a. Explain the role of OSHA in the workplace, worker's rights, and employer responsibilities. (CT-1, CT-2, CT-3, WR-2, WR-3, SL-1, SL-3, RC-1, RC-2, RC-3, RC-4)
- b. Navigate the OSHA website. (CT-1, CT-2, CT-3, WR-4, SL-1)
- c. Perform a workplace safety audit report. (CT-1, CT-2, CT-3, CT-4, CT-5, CT-6, WR-1, WR-2, WR-3, SL-1, SL-2, SL-3, RC-1, RC-2, RC-3, RC-4)
- d. Utilize Safety Data Sheets (SDS) for determining material management protocols. (CT-1, CT-2, CT-3, CT-4, WR-5, QR-1, QR-2, QR-3, QR-6)
- e. Analyze workplace safety with respect to national and regional enforcement emphases. (CT-1, CT-2, CT-3, CT-5, WR-4, WR-5)
- f. Select and critique personal protective equipment for specific job tasks. (CT-1, CT-2, CT-3, WR-1, WR-2, QR-1, QR-2, QR-5, QR-6)
- g. Determine health hazards in industry including noise, hazard communication, chemical, and biological. (CT-1, CT-2, CT-3, WR-1, WR-2, QR-1, QR-2, QR-5, QR-6)
- h. Create job safety analysis worksheets (CT-1, CT-2, CT-3, WR-1, WR-2, QR-1, QR-2, QR-5, QR-6)
- i. Critique other [elective] topics included in the OSHA-30 General Industry certification (CT-1, CT-2, CT-3, WR-1, WR-2, QR-1, QR-2, QR-5, QR-6)

4. Course materials.

- Material will be downloaded from OSHA.gov since they are freely available.

5. Weekly outline of content.

Week	Topics ([3] 50-minute blocks)		
Week 1	Intro to OSHA	Intro to OSHA	Intro to OSHA
Week 2	Intro to OSHA	Managing safety and health	Managing safety and health
Week 3	Walking, working surfaces	Walking, working surfaces	Walking, working surfaces
Week 4	Fall protection	Means of Egress	Fire Protection
Week 5	Fire prevention	Emergency Action Plan	Emergency Action Plan
Week 6	Electrical	Electrical	Personal protective equip
Week 7	Personal protective equip	Materials handling	Materials handling
Week 8	Hazard Communication	Hazard Communication	Exam 1
Week 9	Hazardous material	Hazardous material	Blood borne pathogens

Week 10	Industrial hygiene	Industrial hygiene	Safety and health programs
Week 11	Lock out, tag out	Lock out, tag out	Machine guarding
Week 12	Permit Req Confined Space	PRCS	Respirators
Week 13	Ergonomics	Ergonomics	Ergonomics
Week 14	Powered Ind Vehicles	Powered Ind Vehicles	Welding, Cutting, Brazing
Week 15	Compressed Gases	Flammable liquids	Combustibles
Week 16	Final Exam		

6. Assignments and evaluation, including weights for final course grade.

	Undergraduate	Graduate
Assignments	25%	20%
Quizzes	25%	20%
Applied Projects	25%	20%
Exams	25%	20%
Research Paper	----	20%
TOTAL	100%	100%

7. Grading scale.

A = 90 to 100 %, B = 80 to 89%, C = 70 to 79%, D = 60 to 69%, F < 60%

8. Correlation of learning objectives to assignments and evaluation.

Objective	Assignments Undergraduate: 25% Graduate: 20%	Quizzes Undergraduate: 25% Graduate: 20%	Projects Undergraduate: 25% Graduate: 20%	Exams Undergraduate: 25% Graduate: 20%	Papers Graduate: 20%
A	X	X		X	X
B	X	X	X		
C	X		X		X
D	X	X	X	X	
E	X	X	X	X	X
F	X	X	X	X	X
G	X	X	X	X	X
H	X		X		
I	X	X	X	X	X

Learning Objective	Graduate learning goals	Undergraduate learning goals
A. Explain the role of OSHA in the workplace, worker's rights, and employer responsibilities.	a. Depth of content knowledge b. Effective critical thinking and problem solving c. Effective oral and written communication	a. Critical thinking b. Writing and critical reading c. Speaking and listening d. Responsible citizenship
B. Navigate the OSHA website.	a. Depth of content knowledge b. Critical thinking and problem solving skills	a. Critical thinking b. Writing and critical reading c. Speaking and listening
C. Perform a worksite safety audit report	a. Critical thinking and problem solving skills b. Effective oral and written communication c. Scholarship through research and creative activity	a. Critical thinking b. Writing and critical reading c. Speaking and listening d. Responsible citizenship

D. Utilize Safety Data Sheets (SDS) for determining material management protocols	a. Depth of content knowledge b. Critical thinking and problem solving skills	a. Critical thinking b. Writing and critical reading c. Quantitative reasoning
E. Analyze workplace safety with respect to national and regional enforcement emphases.	a. Depth of content knowledge b. Critical thinking and problem solving skills	a. Critical thinking b. Writing and critical reading
F. Select and critique personal protective equipment for specific job tasks	a. Depth of content knowledge b. Critical thinking and problem solving skills	a. Critical thinking b. Writing and critical reading c. Quantitative reasoning
G. Determine health hazards in industry including noise, hazard communication, chemical, and biological.	a. Depth of content knowledge b. Critical thinking and problem solving skills	a. Critical thinking b. Writing and critical reading c. Quantitative reasoning
H. Create job safety analysis worksheets	a. Depth of content knowledge b. Critical thinking and problem solving skills c. Effective oral and written communication d. Scholarship through research and creative activity	a. Critical thinking b. Writing and critical reading c. Quantitative reasoning
I. Critique other [elective] topics included in the OSHA-30 General Industry certification	a. Depth of content knowledge b. Critical thinking and problem solving skills c. Effective oral and written communication	a. Critical thinking b. Writing and critical reading c. Quantitative reasoning

Date approved by the department or school: January 14, 2016

Date approved by the college curriculum committee: 2/26/2016

Date approved by the Honors Council (*if this is an honors course*):

Date approved by CAA: 3/3/2016 CGS: