IND111 OSHA-30 Hour Construction Industry Certification Syllabus

Course Information
Credits 3
Campus Washburn Institute of Technology
Address 5724 SW Huntoon
City/State/Zip Topeka, Kansas 66604
Office Fax 785-273-7080

Description
This course provides the student with an overview of the OSHA standards relevant to the construction industry. Various topics are presented in a 30-hour format. Among the subjects covered in the course are: an introduction to OSHA, electrical safety, fall protection, excavation and trenching safety.

Textbooks
none

Student Learning Outcomes:
A. Communicate effectively
B. Integrate technology
C. Learn effectively
D. Demonstrate cooperative teamwork skills
E. Apply safety in the workplace
F. Think critically and creatively
G. Demonstrate responsible work ethics

Competencies
1. Explain the role of OSHA in job-site safety.
2. Explain OSHA's General Duty Clause and 1926 CFR Subpart C.
3. Describe the impact of accidents.
4. Identify the four high-hazard areas.
5. Demonstrate hazard recognition and risk assessment techniques.
6. Explain the basics of construction health.
7. Identify the basic fall, electrical, fire, trenching, materials handling, and heavy equipment hazards, and explain the general safety procedures associated with them.
8. Explain and demonstrate the use of appropriate personal protective equipment.
9. Explain and identify the various signs, signals, barricades, markers, and tags used on a job site.
10. Demonstrate proper housekeeping procedures.
11. Demonstrate an understanding of assured equipment grounding conductor programs and the
use of GFCI’s.
12. Demonstrate and explain general hand and power tool safety guidelines.
13. Explain your or site specific fall protection procedures and requirements.
14. Demonstrate and explain the proper use of ladders and scaffolding.
15. Explain the use of work permits and lockout/tagout procedures.
16. Demonstrate and explain the emergency procedures for trenching accidents.
17. Demonstrate proper manual lifting procedures.
18. Identify the hazards of working around or on heavy equipment.
19. Describe proper rigging safety procedures.
20. Demonstrate use of hand signals.

Guidelines for Success

Assessment Plan
Assessment is an integral part of the educational process at Washburn Tech and accurate feedback is an important tool in continuously improving the institution’s technical programs. Students can expect to participate in assessment activities prior to entry into programs, within specific courses and following program completion for specific fields of study.

Grading Rationale
Student progress is evaluated by means that include, but not limited to: exams (60%), written assignments/labs (30%), and attendance/class participation (10%).

- 92-100% A
- 84-91% B
- 76-83% C
- 68-75% D
- 0-67% F

Attendance
Classroom attendance is required. Material missed must be made up with instructor.

Disability
The Special Support Services (SSS) Office is responsible for assisting in arranging accommodations and for identifying resources at Washburn Institute of Technology for persons with disabilities. Qualified students with disabilities MUST register and provide documentation with the office to be eligible for services. New requests for accommodations should be submitted two months or more prior to the date services should begin; however, contact the SSS Office as soon as a need may arise. Depending on the accommodation request, four to eight week lead time may be needed for timely and effective provision of services. SSS coordinates and assist in arranging services it deems appropriate of eligible students on a case-by-case basis.

If you are a student with a disability that may substantially limit your ability to participate in this class and believe you will need accommodations, it is your responsibility to contact:

Special Support Services Coordinator
Phone: 785-228-6356
E-Mail: ssscoordinator@washburn.edu