CHC180 Pipe Laying 1 Syllabus

Course Information

Credits 6
Campus Washburn Institute of Technology
Address 5724 SW Huntoon
City/State/Zip Topeka, Kansas 66604
Office Fax 785-273-7080

Description
Through classroom and/or lab experiences, instruction will include proper use of hand and power tools in the pipe laying trade, receiving and inspecting pipe upon arrival on the job site, cutting and fabricating the pipe, discussion of concrete, PVC, and ductile iron pipe, proper elevations, foundations and stabilization, bedding and de-watering practices will be discussed. Math and reading will be embedded in the curriculum.

Textbooks

Student Learning Outcomes:
A. Communicate effectively
B. Integrate Technology
C. Learn effectively
D. Demonstrate cooperative teamwork skills
E. Think critically and creatively
F. Demonstrate responsible work ethics

Competencies
1. Identify and properly use the following appropriate personal protective equipment: hard hat; safety shoes; eye protection; toe protectors, metatarsal guards, and shin guards; gloves; Hearing protection; respiratory protection; fall protection; trench boxes; atmosphere monitors; rescue and retrieval safety harness; orange reflective vest.
2. Identify routine good housekeeping practices on the job site.
3. Describe safety precautions associated with the safe use of hand and power tools.
4. Identify methods for safely locating existing underground utilities.
5. Describe the purpose and proper placement of barricades.
6. Interpret signs and placards usually found on the job site.
7. Identify the safety hazards associated with construction vehicles on the job site.
8. Identify the types of ladders and their safe use.
9. Describe the methods for safely and effectively controlling traffic around a job site.
10. Identify overhead dangers on a job site.
11. Identify safety precautions for working around explosives.

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 Criteria
90-100% A
80-89% B
70-79% C
Below70% F

Labs: Pass/Fail
30% lecture; 70% lab

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

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