BDT222 Plumbing Syllabus

Course Information

Credits: 4
Campus: Washburn Institute of Technology
Address: 5724 SW Huntoon
City/State/Zip: Topeka, Kansas 66604
Office Fax: 785-273-7080

Description
The course will familiarize the student with the terminology and basic plumbing principles used in the plumbing profession. A variety of topics will be present such as safety, tools, drawings, fittings, fixtures, and faucets. This course will follow the NCCER modules for Plumbing Level One.

Textbooks

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. Demonstrate the proper use of plumbing tools.
2. Interpret plumbing related information from a set of plumbing drawings.
3. Identify proper and improper applications of plastic piping.
4. Determine the kinds of hanger and supports needed for a plastic piping project.
5. Determine fitting and valves needed for a plastic piping project.
6. Construct a plastic piping project.
7. Determine the kinds of hanger and supports needed for a copper piping project.
8. Determine fitting and valves needed for a copper piping project.
9. Construct a copper piping project.
10. Construct a cast iron piping project.
11. Determine the kinds of hanger and supports needed for a stainless steel tubing project.
12. Construct a stainless steel tubing project.
13. Install various plumbing fixtures and faucets.
14. Construct a drain, waste, and vent system.
15. Identify the major components of a water distribution system.
16. Describe the function of the major components of a water distribution system.

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 and Grading Scale

100% - 89% = A
88% - 79% = B
78% - 69% = C
68% - 59% = D
58% & Below = F

40% - Participation = Attendance, Tardies, Work Attire, Textbook, Tools, Behavior, Clean-up
30% - Daily Quizzes & Assignments
20% - Performance Assessments (Individual Evaluations)
10% - NCCER Accrediting Exams

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