CHC120 Site Layout I Syllabus

Course Information
Credits 1
Campus Washburn Institute of Technology
Address 5724 SW Huntoon
City/State/Zip Topeka, Kansas 66604
Office Fax 785-273-7080

Description
This course introduces the student to site layout and how it applies to commercial sites for building pads and site work. Introduction to the equipment used for site layout of these projects, and common math equations encountered will be addressed. Math and reading are 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. State the purpose of site layout and describe the role of a site layout technician in the construction industry.
2. Describe the different kinds of surveys related to a construction project.
3. Explain the relationship between Earth’s latitude and longitude lines and how these lines are used.
4. Define the various survey control points used in the process of site layout.
5. Explain the meaning of terminology used in site layout.
6. Identify the career opportunities available to people in the site layout field.
7. State the rules for the professional and ethical conduct of a site layout person.
8. Set up a builder’s level, shoot an elevation, and properly record the data.
9. Take an inverted rod reading.
10. Chain a distance on even terrain and correctly record the data.
11. Use a plumb bob correctly.
12. Set up a tripod correctly.

**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
- Below 70% 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