TED200 Architectural Design Syllabus

Course Information

Credits	5
Campus	Washburn Institute of Technology
Address	5724 SW Huntoon
City/State/Zip	Topeka, Kansas 66604
Office Fax	785-273-7080

Description

Introduces fundamental aspects of architectural drafting. Covers drafting of residential and light commercial buildings, sections and elevations, schedules, design lay-outs, details, and working drawings. Recommended prerequisite or co-requisite: TED135.

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. Use State and Local codes as basis for design compliance and integrity
2. Draw a site/ plot plan
3. Develop a preliminary residential sketch
4. Design a residence
5. Use correct conventions on a plot plan
6. Use correct conventions on a floor plan
7. Demonstrate the proper use of dimensioning on a set of working drawings
8. Use correct conventions on an elevations sheet
9. Use correct conventions on a foundation plan
10. Use correct conventions on a building section detail
11. Use correct conventions on a details sheet
12. Develop a floor plan

13. Develop elevation views
14. Draw a foundation plan sections and details
15. Draw a wall section
16. Draw cabinet details and elevations
17. Identify scales used on working drawings
18. Describe types of framing systems
19. Identify floor plan and elevation symbols, terms, definitions, and abbreviations
20. Describe steps in projecting elevations
21. Identify terms, abbreviations, and symbols
22. Identify terms, definitions, and symbols
23. Describe steps in drawing a wall section
24. Identify types of stairways and components
25. Identify and use reference materials
26. Identify characteristics which affect building design
27. Identify the characteristices of the three basic areas of a house

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:

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

Attendance

A student can receive 1 hour make-up by completing a two page typed paper, on an approved subject, double spaced, 12 point font, and with at least 2 sources identified.

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