



South Central College

BDET 1210 Studio II

Course Outcome Summary

Course Information

Description	This course covers the materials, methods, and construction principles of a commercial project. Electronic drawing software and hand drawing will be utilized. Independent work, critical thinking, problem solving, and application are emphasized. A set of working drawings will be drawn incorporating construction documents. (Prerequisites: BDET 1110, BDET 1150)
Total Credits	4
Total Hours	96

Types of Instruction

Instruction Type

Credits/Hours

Lecture

On-Campus Lab

Pre/Corequisites

BDET 1110- Studio I

BDET 1150- Basic Autocad

Institutional Core Competencies

Critical and Creative Thinking - Students will be able to demonstrate purposeful thinking with the goal of using a creative process for developing and building upon ideas and/or the goal of using a critical process for the analyzing and evaluating of ideas.

Course Competencies

1. Demonstrate an understanding of commercial construction.

Learning Objectives

Define commercial construction.

Identify floor plan styles used in commercial construction.

Identify necessary components that make up a set of commercial construction drawings.

2. Demonstrate an understanding of materials and methods used in commercial construction.

Learning Objectives

Identify various construction components used in commercial construction.

Utilize region specific design criteria data.
Incorporate design specific criteria into construction drawings.

3. Develop and apply critical thinking and problem solving skills.

Learning Objectives

Make timely and sound decisions.
Take responsibility for his/her decisions.
Incorporate appropriate scales to drawings.

4. Incorporate applicable sustainable materials to construction documents.

Learning Objectives

Incorporate building materials per sustainable criteria.
Develop details per energy related criteria.
Develop LEED compliant specifications.

5. Demonstrate an understanding of space planning applications.

Learning Objectives

Develop bubble diagrams.
Manage space using walls, partitions, ceilings, and room layout.
Produce usable working drawings incorporating CAD.

6. Research, access, and apply appropriate informational resources.

Learning Objectives

Research and utilize the Chapter 14-MN Accessibility Code.
Research and utilize the ADA.
Research and utilize Minnesota Energy Code.

7. Demonstrate organizational skills.

Learning Objectives

Create a project specific job manual.
Develop a coordinated set of construction drawings.
Return assignment specific redlines.

8. Implement of electronic software for commercial construction drawings.

Learning Objectives

Demonstrate an understanding of drawing technique.
Utilize layer management skills.
Produce accurate output for construction drawings.

9. Incorporate time management skills.

Learning Objectives

Learn to prioritize assignments.
Develop alternative study places free from distractions.
Multi-task.

10. Integrate professional communication techniques.

Learning Objectives

Ability to integrate various technologies.
Proficient in computer skills & software.
Understands the relationship of technology in communication.

11. Demonstrate an understanding of office etiquette.

Learning Objectives

Use and maintain office equipment.
Utilize the printers, plotters, etc.
Maintain a professional demeanor.

12. Demonstrate an appropriate office work ethic.

Learning Objectives

Demonstrate acceptable participation and attendance.
Exhibit responsible decision making skills.
Demonstrate professional mannerisms.

SCC Accessibility Statement

South Central College strives to make all learning experiences as accessible as possible. If you have a disability and need accommodations for access to this class, contact the Academic Support Center to request and discuss accommodations. North Mankato: Room B-132, (507) 389-7222; Faribault: Room A-116, (507) 332-7222.

Additional information and forms can be found at: www.southcentral.edu/disability

This material can be made available in alternative formats by contacting the Academic Support Center at 507-389-7222.