South Central College
ARCH 1211  STUDIO II
Common Course Outline

Course Information
Description  This course covers the materials, methods, and construction of a two-family dwelling. CAD will be used for all drafting. Independant work, critical thinking, problem solving, and application are emphasized. A set of working drawings will be drawn incorporating current applicable codes and ordinances. Advanced framing systems, party walls, unit & fire separation, finishes, site work, and space planning will be included.

Total Credits  4.00
Total Hours  96.00

Types of Instruction

Instruction Type  Credits
Lecture
On-Campus Lab

Pre/Corequisites
Prerequisite  ARCH1111- Studio I
Prerequisite  ARCH1121- Print Reading & Estimating I
Prerequisite  ARCH1131- Building Codes I
Prerequisite  ARCH1140- Basic Autocad
Prerequisite  ARCH1221- Print Reading & Estimating II[Concurrent Enrollment]
Prerequisite  ARCH1231- Construction Documents  [Concurrent Enrollment]
Prerequisite  ARCH1241- Construction Methods & Materials  [Concurrent Enrollment]

Course Competencies

1  Demonstrate an understanding of residential construction.
   Learning Objectives
   Define residential construction.
   Identify floor plan styles used in residential construction.
   Identify necessary components that make up a set of residential construction drawings.

2  Understand materials and methods used in residential construction.
   Learning Objectives
   Identify various construction components used in residential 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 residential codes to construction documents.
Learning Objectives
Incorporate building codes for fire and life safety.
Integrate building codes for structural.
Develop an awareness of building codes.

5 Understands 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 IRC.
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 Implementation of CAD for residential 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 Develop appropriate office work ethics.

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

SCC Accessibility Statement
If you have a disability and need accommodations to participate in the course activities, please contact your instructor as soon as possible. This information will be made available in an alternative format, such as Braille, large print, or cassette tape, upon request. If you wish to contact the college ADA Coordinator, call that office at 507-389-7222.

Disabilities page http://southcentral.edu/academic-policies/disability-rights.html