



South Central College

ARCH 1202 Revit 1 Fundamentals

Common Course Outline

Course Information

Description	Introductory Building Information Modeling (BIM) course that explores Revit for Architecture. An in-depth practice of basic Revit tools as they pertain to modeling basics, drafting views, detail creation, construction documentation, and renderings. A strong emphasis on industry standards and best practice for BIM.
Total Credits	2
Total Hours	48

Types of Instruction

Instruction Type	Credits/Hours
Lecture	1/16
Lab	1/32

Pre/Corequisites

ARCH 1101 Studio 1
ARCH 1201 Studio 2

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 Outcomes

1. Demonstrate an understanding of Building Information Modeling

Learning Objectives

Demonstrate an understanding of BIM for architectural design
Develop an awareness of Building Information Modeling
Understand the BIM terminology

2. Demonstrate an understanding of Revit Architecture basics

Learning Objectives

Explore the User Interface
Demonstrate an understanding of revit elements and families

Start a Revit project

3. Construct and modify drawings

Learning Objectives

Create template drawing files
Demonstrate an understanding of modifying levels and grids
Demonstrate the use of editing tools

4. Construct component families

Learning Objectives

Create component families
Demonstrate an understanding of modifying component families
Understand the basic of component families

5. Create Building Model views

Learning Objectives

Demonstrate knowledge of creating callout views
Demonstrate knowledge of detailing views
Demonstrate knowledge of drafting with views

6. Create text, dimensions, leaders, and other construction document entities

Learning Objectives

Create and modify schedules
Use editing tools
Place dimensions and tags

SCC Accessibility Statement

Disability Services provides accommodations and other supports to students with permanent and temporary disabilities that affect their SCC experience. Disabilities may include mental health (anxiety, depression, PTSD), ADHD, learning disabilities, chronic health conditions (migraine, fibromyalgia), sensory disabilities, and temporary disabilities (broken arm, surgery). Common accommodations are extended test time, private room for testing, audiobooks, and sign language interpreter.

Contact us: Faribault A116 (507) 332-5847. North Mankato E112 (507) 389-7222. ds@southcentral.edu
www.southcentral.edu/disability

Grading Scale

Each project, quiz, activity, and assignment will have an assigned possible number of points. Points will be awarded based on correctness of work. The total of all points earned will be divided by the maximum possible to determine a percentage. Late assignments will be accepted anytime until the semesters end **Any work handed in late (regardless of duration) will incur a 10% deduct from the grade for that instance.**

Grades will be based on the following percentage of points earned

A	92-100
A-	90-91.9
B+	87-89.9
B	83-86.9
B-	80-82.9
C+	77-79.9
C	73-76.9
C-	70-72.9

Note: Grades below 70% will not count towards degree completion, course must be repeated

D+	67-69.9
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D	63-66.9
D-	60-62.9
F	Below 60

Attendance Expectation

Class attendance / participation contributes significantly to academic success. Students who attend classes regularly tend to earn higher grades and have higher passing rates in courses. Excessive absences may jeopardize your grades or even your ability to continue in this course. **Class participation will be part of your grade! The following will apply in all ARCH program courses:**

- An absence is excused ONLY if the student contacts the instructor BEFORE class.
- If you are absent from class for any reason, you are responsible for all missed work and for contacting the instructor promptly.
- Unexcused absences for 3 consecutive class sessions will reduce your final grade by 10% after the first occurrence and automatic course failure after the second occurrence. Overall attendance falling below 50% will result in automatic course failure.
- Online attendance is available at the instructor's discretion. It is reserved for extenuating circumstances and is NOT a replacement for attendance.