

Revised Fall 2016

ARC 221

Architectural CAD Applications Software I

COURSE OUTLINE

Prerequisites:

DRF 201 or permission of instructor
Basic Computer Literacy
Understanding of Email (send, receive, attachments)
How to download a file, transfer a file, upload a file
How to zip and unzip files

Course Description:

DRF 202. Teaches the principles and techniques of architectural drawing practices through the use of architecture specific CAD software. Utilizes the commands and features of the software to generate drawings that emphasize architectural design and structural systems. Lecture 2 hours. Laboratory 2 hours. Total 4 hours per week.

Semester Credits: 3 Lecture Hours: 2 Lab/Recitation Hours: 2

VIRGINIA WESTERN COMMUNITY COLLEGE
PO Box 14007
Roanoke, VA 24038
(540)-857-7273



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Course Outcomes

1. Understand the concepts of Revit Architecture.
2. Create building models.
2. Generate different analysis such as area, solar studies.
3. Create walkthroughs, detail views and schedules.

Instructor Objectives To teach students the basic building designing and modeling concepts using Revit Architecture software and use it in creating various real-world building designs. Instructor will emphasize self- learning and strongly encourage students to ask questions and participate in the class discussions.



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Required Materials:

USB Flash Drive

Textbook:

TITLE:Autodesk Revit Architecture 2014 for Architects And Designers

AUTHOR:Tickoo

EDITION:

COPYRIGHT YEAR:

PUBLISHER:CADCIM Technologies

ISBN:9781936646494

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(List information about optional topics, departmental exams, etc)

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