Northwest Arkansas Community College
Business and Computer Information Systems Division

Discipline Code
DRFT

Course Number
2234

Course Title
Building Information Modeling I

Catalog Description
(F, S) This course introduces the concepts of Building Information Modeling (BIM) and its uses in the design and construction of buildings. Students will learn the basic skills of using Revit to model walls, doors, windows, components, stairs, floors, ceilings, roofs, and a building site. Student will annotate views assemble them onto sheets for a set of construction documents. Prerequisites: DRFT 1233, or instructor consent.

Prerequisites
DRFT 1233 or with instructor consent.

Credit Hours
4 Credit Hours

Contact hours
60 Contact Hours

Load hours
4 load hours

Semesters Offered
Fall, Spring

ACTS Equivalent
None

Grade Mode
A-F

Learning Outcomes

Students will:
- Learn the benefits of Building Information Modeling (BIM)
- Learn concepts and techniques to effectively produce projects in Revit
- Model a building structure
- Produce construction and presentation drawings for a residential project

General Education Outcomes Supported

None

Standard Practices

Topics list
- Using the Revit Interface
- Drawing and Modification Tools using walls, doors, windows, and components
- Levels and Views
- Stairs
- Floors, Ceilings, and Roofs
- Topography
- Annotating Drawings
- Construction Document Sets

Learning activities

Assessments
- Assignments
- Quizzes
- Final Project

Grading guidelines
- A = 90-100%
- B = 80-89%
- C = 70-79%
- D = 60-69%
- F = 0-59%