



Syllabus

ARC 106 Architectural Drawing in Digital Media

General Information

Date

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Author

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Department

Science and Technology

Course Prefix

ARC

Course Number

106

Course Title

Architectural Drawing in Digital Media

Course Information

Credit Hours

3

Lecture Contact Hours

2

Lab Contact Hours

4

Other Contact Hours

0

Catalog Description

This course is intended for Architectural Technology majors and students interested in digital drawing and the architectural profession. Students will create two and three dimensional digital drawings using a variety of industry standard graphic software. Lectures, demonstrations, and labs in a variety of applications will enhance the student's CAD ability and professional development. Students will create original works and study existing architectural works through digital design and drafting. This class includes both lecture and laboratory time. Successful completion of this class will prepare students for the ARC 244 Residential Design class.

Key Assessment

This course does not contain a Key Assessment for any programs

Prerequisites

ARC 105

Co-requisites

None

Grading Scheme

Letter

First Year Experience/Capstone Designation

This course DOES NOT satisfy the outcomes applicable for status as a FYE or Capstone.

SUNY General Education

This course is designated as satisfying a requirement in the following SUNY Gen Ed category
None

FLCC Values

Institutional Learning Outcomes Addressed by the Course

Vitality

Inquiry

Perseverance

Interconnectedness

Course Learning Outcomes

Course Learning Outcomes

1. Prepare digital vector drawings to express original designs.
2. Compose architectural drawings typically used in the architectural profession.
3. Use and increase proficiency in variety of industry standard programs for digital two and three dimensional presentations.
4. Analyze existing historically significant structure and represent using digital medium.

Program Affiliation

This course is not required as a core course in a program

Outline of Topics Covered

Introduction to Digital Drawing

Program Overviews

- AutoCAD
- AutoCAD Architecture
- Google SketchUP
- Adobe Photoshop
- Adobe Acrobat

2D Digital Drafting

- AutoCAD Interface
- Geometric Construction
- Editing Techniques
- Blocks and Groups
- Creating Templates and Titles
- Text, Annotations and Dimensioning
- Page Layout and Plotting

3D Modelling

- SketchUP Interface
- Model Construction
- Surfaces and Solids

- Materials and Rendering
- Groups and Components
- Layout
- Modeling in AutoCAD

Architectural Presentation

- Schematic Presentations
- Construction Documents
- Presentations
- 3D Models
- 3D printing