



Syllabus

ARC 244 Residential Design

General Information

Date

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Author

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Department

Science and Technology

Course Prefix

ARC

Course Number

244

Course Title

Residential Design

Course Information

Credit Hours

3

Lecture Contact Hours

2

Lab Contact Hours

4

Other Contact Hours

0

Catalog Description

ARC 244 Residential Design is intended for Architectural Technology majors. Students will be introduced to the fundamental concepts required for the design of residential structures. Students will study historically significant architectural works. Using these works as precedence students will complete several design vignettes for residential structures. Throughout the semester students will explore topics that include various architectural drawings and presentations, architectural history, building codes and sustainability. The semester will culminate with a public oral presentation of an original residence expressed through models, drawings and digital images. The material covered in this class is presented in a lecture format with laboratory studies and field trips. Successful completion of this class will prepare students for the ARC 246 Commercial Design class.

Key Assessment

This course does not contain a Key Assessment for any programs

Prerequisites

ARC 106 and ARC 130

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. Analyze an existing historic residence then diagram and present graphically to express its architecturally significant.
2. Create vignette designs of residences to practice graphic presentation skills through a variety of medium including sketching, modeling, perspectives, etc.
3. Design original residence and present it graphically via two and three dimensional media.
4. Orally present original residential design project.

Program Affiliation

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

Outline of Topics Covered

Introduction, Overview of the Design Process

Architects Process / Precedence

- History
- Schematic Design
- Design Development
- Construction Documents

Form, Space and Order

- Diagram, Diagram, Diagram (Diagram)
- Organizational strategies
- Sustainable Design and Materials
- Principles and Proportion
- Collage / Layout / Portfolio

Residential Design

- Site
- Sustainability
- ADA
- Codes and Ordinances