



Syllabus

ARC 246 Commercial Design

General Information

Date

September 25th, 2018

Author

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Department

Science and Technology

Course Prefix

ARC

Course Number

246

Course Title

Commercial Design

Course Information

Credit Hours

3

Lecture Contact Hours

2

Lab Contact Hours

4

Other Contact Hours

0

Catalog Description

ARC 246 Commercial Design is intended for Architectural Technology majors. Students will be introduced to the fundamental concepts required for the design and drafting of commercial structures. Throughout the semester students will explore topics that include various architectural drawings and presentations, building codes and ordinances, ADA requirements, and sustainability. Students will spend the semester working through an original design and developing that design to incorporate codes and building systems. The semester will culminate with an oral presentation of this developed design of a commercial structure and will be 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.

Key Assessment

This course does not contain a Key Assessment for any programs

Prerequisites

ARC 244

Co-requisites

None

Grading Scheme

Letter

First Year Experience/Capstone Designation

This course is designated as satisfying the outcomes applicable for status as a Capstone Course

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 existing commercial structures diagram spatial relationships and building systems.
2. Design original commercial structure for a graphic presentation via two and three dimensional media.
3. Apply current codes and ordinances and incorporate required building systems to further develop design of commercial structure.
4. Orally present original commercial design project.

Program Affiliation

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

Outline of Topics Covered

Introduction to Commercial Design

- Theory
- Practice

Toward an Architecture

- Volume
- Surface
- Plan
- The Lesson of Rome
- The Illusion of the Plan
- Pure Creation of the Mind

Commercial Design

- Site
- Sustainability
- ADA
- Codes and Ordinances
- Structure
- Mechanical
- Electrical

- Plumbing