

Montclair High School

Course Syllabus

Department: 21st Century Life Skills

Course: Upper Division Architecture 356H 356HH 357 HH 358 HH

Level: Honors and High Honors

Credits: 5

Course Description:

The Upper Division of Architecture continues the exploration of architecture and design introduced in course 350 Introduction to Architecture. The course cycles through the following topics in a three-year rotation: House Form and Culture, the Built Environment, and Structural Systems and Materials. The fundamentals of architectural design; principles of enclosure, massing, articulation of form, proportions, geometry, scale and structures are applied in the development of imagery for building and products throughout the cyclic coursework. Additional attention is given to graphic and critical thinking skills expressed in both a written and verbal format. Collaborative skills that encourage an understanding of divergent roles that maximize individual talents for the well being of the team are supported. The goal of the course is for students to learn how to put their ideas in two and three-dimensional form.

Standards:

- 21st Century Life and Careers Standards
- 9.4 Career and Technical Education
- Strand B. Architecture and Construction Career Cluster

Anchor Text(s): There is no reference text for the course.

Supplementary Materials:

Handouts, videos, and guest lectures augment the course curriculum of problem statements.

Units of Study:

- House Form and Culture
- The Built Environment
- Structural Systems and Materials

Proficiencies:

By the end of this course, students will:

- Initiate and sustain a schematic design process
- Students will be able to explain and document solutions to design problems
- Proficiency 2: Students will develop and refine the ability to deal with the varied criteria of architectural design

Evaluation & Assessment:

- Studio Projects 50%
- Studio Prep and Work 25%
- Tests and Quizzes 25%

Prior to beginning any lab activities, all students must have submitted a Safety Contract which has been duly signed by both the student and their parent/guardian. This contract will be kept on file by the teacher for the duration of the course.