

Course Title

Architectural Drawing 1A

Description of Target Group

This course is for 10th, 11th, and 12th grade students. Students should have an interest in an architectural career or as a potential home consumer. This is a 2 + 2 course with Allan Hancock Community College.

Purpose

The purpose of Architectural Drawing 1A is to give students an opportunity to explore the area of architectural design and practices. This is the first semester of a one year course. It is best for students to have previously taken Survey of Drafting. Note: This is not currently offered at Righetti High School, but is available as part of R.O.P. Advanced Drafting. Lab Fee Required.

Standards of Expected Student Achievement

Upon completion of this course, students will be able to successfully demonstrate the following skills:

1. Provide own pencils and erasers.
2. Develop fundamentals of lettering, dimensions, line work, layout, and use of architecture scale.
3. Complete assigned lab, clean-up, reading, and written work.
4. Understand and use basic architectural terminology.
5. Develop an interest in a possible career in the field of architectural or consumer concerns.
6. Develop freehand/sketching fundamentals.
7. Develop fundamental skills with drafting equipment.
8. Develop fundamental floor plans.
9. Develop fundamental wall section and foundation construction.
10. Develop fundamental elevation.
11. Develop fundamentals of solving design problems.
12. Pay all fees pending.

Instructional Materials

Text and Supplementary Materials

Refer to: Secondary Adopted Texts and Approved Supplementary Books Used in the Santa Maria Joint Union High School District

Architectural Drawing 1A (continued)

Activities

1. Individual work
2. Lectures
3. Class participation
4. Demonstrations
5. Audio-visual materials
6. Field trips
7. Small group activities
8. Outside resource people
9. Project construction

Architectural Drawing 1B

Description of Target Group

This course is for 10th, 11th, and 12th grade students. Students should have an interest in an architectural career or as a potential home consumer. It is recommended that students complete Architectural Drawing 1A prior to enrollment in this class. This is a 2+2 course with Allan Hancock Community College.

Purpose

The purpose of Architectural Drawing 1B is to give students an opportunity to explore the area of architectural design and practices. This is the second semester of a one-year course. Note: This is not currently offered at Righetti High School, but is available as part of R.O.P. Advanced Drafting.

Standards of Expected Student Achievement

Upon completion of this course, students will be able to successfully demonstrate the following skills:

1. Develop fundamental house design steps.
2. Develop house plans including foundation, electrical, and roof.
3. Develop fundamental material schedule.
4. Develop various rendering media.
5. Draw house perspectives and freehand rendering.

Instructional Materials

Text and Supplementary Materials

Refer to: Secondary Adopted Texts and Approved Supplementary Books Used in the Santa Maria Joint Union High School District

Activities

Individual work, lectures, class participation, demonstrations, audiovisual materials, field trips, small group activities, outside resource people, and project construction.