

Course Syllabus

Architecture Technology (11th Grade)

Instructor: **Leonardo Malave**

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Course Description:

This course provides students the opportunity to design and create 3D models of homes as well as smaller spaces such as classrooms and offices. Students learn the commands and operations of Revit Architecture software to generate 3D photorealistic rendered drawings along with all other construction documents. In the later part of the year students will gain an understanding of the elements and principles of interior design and apply it to the design of interior spaces.

Course Objectives:

The students will be able to:

- Design and create homes in 3D.
- Generate all the necessary construction drawings from the 3D model.
- Produce photorealistic renders and animations.
- Renovate existing home designs.
- Apply elements and principles of interior design to interior spaces.
- Acquire working knowledge of Revit Architecture software.

Course Requirements:

Individual projects, group projects, technical writing, research.

Grading:

- Class Participation 10%
- Class/home work: 25%
- Tests/Quizzes: 25%
- Projects: 40%

Grading Scale			
A+	98-100	C+	76-79
A	92-97	C	72-75
A-	90-91	C-	70-71
B+	86-89	D	65-69
B	82-85	F	Below 65
B-	80-81	Minimum Grade: 50	

Textbooks:

- Residential Design using Autodesk Revit 2016 Daniel John Stine, SDC Publications
- Architecture: Residential Drafting and Design 12th Edition Clois E. Kicklighter & W. Scott Thomas, The Goodheart-Willcox Co. Inc.
- Interior Design Stephanie A. Clemons, The Goodheart-Willcox Co. Inc.