

Course Syllabus

Architecture Technology (12th Grade)

Instructor: **Leonardo Malave**

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Course Description:

This course provides students the opportunity to use their acquired knowledge to work on advanced projects such as the design of a sustainable building. Students begin to build their college portfolio, update their resume and get the chance to work on collaborative school projects.

Course Objectives:

The students will be able to:

- Create a portfolio.
- Update their resume.
- Participate in collaborative school projects.
- Internship (optional).
- Work on their online Financial Literacy packet.
- Work on advanced sustainable design projects.
- Prepare for the NOCTI exam.

Course Requirements:

Individual projects, group projects, technical writing, research

Grading:

- Class Participation 20%
- Class/home work: 20%
- Projects: 60%

| 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 | |

Reference Textbooks:

- AutoCAD and its Applications-COMPREHENSIVE 20th Edition Terence M. Shumaker, David A. Madsen, David P. Madsen, and Craig P. Back, The Goodheart-Willcox Co. Inc.
- Parametric Modeling with Autodesk Inventor 2013 Randy H. Shih, SDC Publications
- Residential Design using Autodesk Revit 2013 Daniel John Stine, SDC Publications
- Drafting & Design: Engineering Drawing using Manual and CAD Techniques 7th Edition Clois E. Kicklighter & Walter Brown, The Goodheart-Willcox Co. Inc.
- 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.