Course Syllabus

Architecture Technology (9th Grade)

Instructor: **Leonardo Malave**   *Email:* malavel@mcmsnj.net

Course Description:

This course provides students the opportunity to create various types of technical drawings and rendered 3D objects. Students learn the concepts, commands and operations of AutoCAD software and create professional engineering drawings, 3D models of objects and photorealistic 3D scenes.

Course Objectives:

The students will be able to:

- Read, interpret, and create technical drawings.
- Differentiate between the various types of drawings in technical drafting.
- Acquire working knowledge of AutoCAD software.
- Generate technical drawings using AutoCAD.
- Create 3D objects using AutoCAD.
- Generate a rendered 3D scene which includes lighting and materials.

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:

- 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.
- 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.