

**Advanced Architectural Engineering and Design**  
**CAD Lab room 134 B - Two Term Course.**

**Instructor: Mr. Holliday**

**Phone #: School (402)643-2988 Cell (402)643-4227**

**Course Description:** Advanced Architectural Engineering and Design (AAED) is an advanced level class designed to take what you have learned in (AED) and progress to more advanced skills in Computer Aided Drafting and Design. With our ever-changing society, computers have become necessary in our everyday lives. Designers, Architects, Draftsman and Engineers to name a few are required to have computer aided drafting skills. In this class you will be introduced to Engineering aspects as well as Architectural concepts to prepare you for post high school employment, technical college or a four year degree university. You will learn various commands to draw, construct, multiply, render, edit, and transform. You will be required to make series of drawings, views, elevations, perspectives and projections and print/plot a hard copy of those for a grade. Board Drafting will be integrated and Contest Projects will be required as well. (Homebuilders Show, SCC – AET contest, and SkillsUSA contest scenarios.) Presentations will also be required.

**Tutorials:** Most of your assignments will come from on-line tutorials or hard copy tutorials.

**Text Book:** Architecture – Residential Drafting and Design

**Software:** Architectural Desktop, 3-D Max, Google Sketch Up, 3-D Viz, and Revit.

**Prerequisites:** Architectural Engineering and Design Course or CAD I

**Course Requirements:**

1. Absences: All work and time missed must be made up before or after school. Must make arrangements to come in outside of regular scheduled class time.
2. Passes: Each student will be given a maximum of two passes for the term for RR. Must have pass book signed by me before you can get permission to leave the room.
3. All students must keep up with assignment deadlines. Any assignment that is not completed by the due date must make arrangements to come in to get caught up.
4. All students must print/plot a hard copy of their assignments to be graded. Hand in written work.
5. All students must work effectively and efficiently the entire period. All students must stay at their assigned desk. Excessive talking will not be tolerated and students will be required to come in for detention.
6. Treat all equipment and software programs with the utmost respect. Any damaged or mistreated equipment will be charged to the individual. If not in assigned software programs, students will be removed from the class. (I.e. games, internet, instant messengers, music programs, cell phones, iPod abuse, YouTube, etc.)
7. All students must keep their individual areas clean and neat. Must put everything away and properly shut down the computers. Do not clean-up more than 2 minutes before the bell. Points will be deducted from your grade and detentions can be given if not followed.
8. No food or candy in the classroom. Drinks will only be allowed by the sink, not by the computers.
9. Cheating will not be tolerated. Students must turn in their own work, failure to do this will be loss of all points of the assignment and no make-up points will be available.
10. No bags of any kind (i.e., book bags, back packs, computer bags, purses, gym bags, etc.)
11. No cell phones in the classroom.

**Final Assignment:**

A Presentation, Poster, Video/Animation and Resume are required upon completion of the course; a failure to complete will result in a failing grade. Daily Assignments will be required and work ethic will play an important role in your overall grade.

Please sign your name below indicating that you are aware of all course requirements.

Name: \_\_\_\_\_ Date: \_\_\_\_\_