



# Architectural Engineer Design 2 - (AED 2) Syllabus

## > Contact Information

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Class curriculum weblink - <https://canvas.instructure.com/login/canvas>

Class resource weblink - <http://www.symbaloo.com/mix/aed>

## > Introduction

AED 2 is a course that is offered to the serious student who has successfully completed AED 1. The AED 2 course will continue to update the skills developed in the basic course. Projects will be more complex in detail and more time consuming. Students will be working with a client, creating a set of “Working Drawings” and scaled model for a residential house. Each student will learn the process in planning and designing a home. The course will be taught through lectures, discussions, and demonstrations. Students are encouraged to join in on all discussions and ask questions. Individual help will be offered to those students who desire and/or need additional help or assistance.

## > Course Objectives

The students successfully completing this course will be able to:

- o Perform the stated objectives of architectural drawing 1.
- o Study visual analysis in architecture.
- o Create a set of working drawings.
- o Identify listings of window, door, finishing, & electrical charts.
- o Calculate stress tolerances for joists, rafters, & beams.
- o Stay current with construction codes, techniques, & equipment.
- o Using professional CAD software (AutoCAD & Revit), to create designs.

## > Grading Policy

<u>Category</u>	<u>Weight</u>
Drawings (Projects) - (House Model Term 2)	50%
Classwork (Activities)	20%
Tests & Quizzes	20%
Architectural Code Notebook	10%

**TAC Grade Grades:** Students and parents can view the course grades using TAC/HAC.

Regularly monitor your progress online via our grading website. (<http://apps.fcps.org/pivstatus.cfm>)

**Make-up Work:** Students can make-up any classwork or assignments that have been missed by an excused absence. If a student misses a day, they have a day to make-up the work. If multiple days are missed, the student needs to see the teacher to arrange a time to turn in the missed work. Students should get any missed work from the teacher directly. Most of the assignments are on the class curriculum weblink - <https://canvas.instructure.com/login/canvas>, but always check with the teacher; some assignments might have been tweak to meet the needs of the class.

**Academics Accountability Attitude**



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**Late Work:** All work must be turned in by the assigned due date.

Late classwork is accepted, but will receive a “10%” reduction each school day it is late. Major projects will receive a 20% reduction each school day it is late.

All work should be completed no matter how much credit is lost, as the development of knowledge and skills from these assignments are important to passing the course.

**Academic Dishonesty:** Students may not give or receive unauthorized aid on any assignment. Students will be held to the expectations and actions included in the LHS Honor Code found on the LHS Website. Students found to violate the policy will receive a score of zero on the assignment.

**Testing Expectation:** During assessment all materials, including off/silenced cell phones, should be secured in the front of the room.

### > Tutoring [Extended Learning Opportunities]

I will be available after school on Wednesdays from 2:15pm to 4:00pm in room C106. Please check with me before showing up. If you cannot make Wednesdays, please check with me to work out another day. Also, PREP will be available during the school day.

### > Instructional Materials needed:

- o Students are required to have a 1” 3-ring view binder (*plastic cover sleeve*)
- o All drafting tools and textbook will be given the first day of class.

**Note:** Damaged or lost textbooks/school-owned materials become the obligation of the student/parent. A replacement fee will be charged for damaged or lost items.

### > Classroom Procedures

- o Come to class on time, prepared to design and participate.
- o Food and drinks are NOT allowed anywhere near the computers.
- o Cell phones out of sight, no texting, , , etc..
- o Clean up your area and tools, but not until the last 5 minutes of class.

### > Student Expectations

- o ACADEMICS:  
Complete all assignments on time and with integrity | Assigned work completed | Be open to feedback and capitalize on opportunities to improve
- o ACCOUNTABILITY:  
Bring required materials | Observe classroom safety guidelines | Use appropriate language at appropriate times | Be in your assigned seat when the bell rings
- o ATTITUDE:  
Focused and alert | Give your best effort | Honor commonalities and celebrate differences | Support and encourage classmates

### > Discipline Procedure

- o Warning/conference with student
- o Phone call to parent/guardian
- o Teacher detention
- o Office referral

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*Please sign the attached agreement form and keep this syllabus document for your record.*

**We have read the course syllabus and understand the goals and policies of the classroom.  
We agree to abide by and support them throughout the school year.**

\_\_\_\_\_  
student name                      period                      student signature                      date

\_\_\_\_\_  
parent/guardian name                      parent/guardian signature                      date

**Please return this page and keep the prior pages for your records.**

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