

Cocke County High School

***AED 3**

***2025-2026 Syllabus**

Part 1: Course Information

Instructor Information

Instructor: Stephen Hodges

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Architectural & Engineering Design III is the third course in the Architectural & Engineering Design program of study. In this advanced course, students will apply technical drawing and design skills developed in the previous courses to specific architectural and mechanical design projects and contexts. In the process, students will expand their problem-solving and critical-thinking skills by assessing the requirements of a project alongside the available resources in order to accomplish realistic planning. Upon completion of this course, proficient students will be able to employ methods of data collection and analysis to provide others with appropriate information for projects and to develop their own designs. Students will also be able to engage with industry-specific technology to create visual representations of project outcomes. In addition, students will continue compiling artifacts for inclusion in a portfolio, which they will carry with them throughout the full sequence of courses in this program of study.

Prerequisite

- Students will complete each class in order from AED 1, AED 2, and AED 3 in order to complete their program of study.

General Education/High School Pathway Area

This is the third course in the Architectural & Engineering Design program of study. Flexibility built in to offer this course for either one or two credits, depending on school capacity and teacher background. Whether offered for one credit or two credits, this course can feed into a fourth-level Engineering Practicum course in

which students can apply the skills learned toward the completion of an in-depth, semester- or year-long project.

Textbook & Course Materials**Required Text**

- none

Course Requirements

- Internet connection (DSL, LAN, or cable connection desirable)
- Access to /Web site/Other
- Pencil, Paper, Notebook, Flash drive

Course Structure

The class will be delivered by lecture, discussion, activity, lab-based, test, groups, homework, and classwork.

Part 2: Student Learning Outcomes

*Expected student learning outcome for this course. The student learning outcomes for each course can be found in the Tennessee State Standards, course pacing guide, and other resources pertaining to your

course. These can be found on TN.Gov under Academic Standards.

A bulleted list is a good way to display these objectives as shown below:

- SolidWorks Advanced Parts
- SolidWorks Advanced Assemblies
- Wall/House Construction

You will meet the objectives listed above through a combination of the following activities in this course:

*Most objectives will be met through 1) Classwork, 2) Homework, 3) Test,) 4 Groups. Students will be provided dates to complete assignments. If a student is absent and it is excused the student will be allowed 3 days to make up any missed work.

AED 3**2025-2026 Syllabus****Part 3: AED 3/Topics Covered***Semester 1*

Week	Topic	Readings/ Resources	Activities	Due Date
1	Safety/Test	PowerPoint	Test	
2	SolidWorks Adv Parts	Lecture	Notes	
3	SolidWorks Phone Case Project	Lecture	Notes	
4	SolidWorks Phone Case Project	Lecture	Notes	
5	SolidWorks Phone Case Project	Lecture	Notes	
6	SolidWorks Adv Assemblies	Lecture	Notes	
7	SolidWorks Adv Assemblies	Lecture	Notes	
8	SolidWorks Adv Assemblies	Lecture	Notes	
9	SolidWorks Adv Assemblies	Lecture	Notes	
10	Floor Plans	Lecture	Notes	
11	Wall/House Construction	Lecture	Notes	
12	Building Project	Lecture	Notes	
13	Building Project	Lecture	Notes	
14	Building Project	Lecture	Notes	
15	Building Project	Lecture	Notes	
16	Building Project	Lecture	Notes	
17	Building Project	Lecture	Notes	
18	Sem. Exam	Lecture	Notes/Test	

Semester 2

Week	Topic	Readings/ Resources	Activities	Due Date
1	Safety/Test	PowerPoint	Test	01/14/2022

Week	Topic	Readings/ Resources	Activities	Due Date
2	SolidWorks Adv Parts	Lecture	Notes	
3	SolidWorks Phone Case Project	Lecture	Notes	
4	SolidWorks Phone Case Project	Lecture	Notes	
5	SolidWorks Phone Case Project	Lecture	Notes	
6	SolidWorks Adv Assemblies	Lecture	Notes	
7	SolidWorks Adv Assemblies	Lecture	Notes	
8	SolidWorks Adv Assemblies	Lecture	Notes	
9	SolidWorks Adv Assemblies	Lecture	Notes	
10	Floor Plans	Lecture	Notes	
11	Wall/House Construction	Lecture	Notes	
12	Building Project	Lecture	Notes	
13	Building Project	Lecture	Notes	
14	Building Project	Lecture	Notes	
15	Building Project	Lecture	Notes	
16	Building Project	Lecture	Notes	
17	Building Project	Lecture	Notes	
18	Sem. Exam	Lecture	Notes	

***Calendar/Schedule: The class schedule maybe subject to change if school is cancelled due to snow or any unforeseen circumstances such as school scheduling which may arise during the school year. If you have any questions pertaining to the schedule you may reach the instructor with the above email for further questions.**

This class has a semester exam.

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Part 4: Grading Policy

Graded Course Activities

Assignments for details about each assignment listed below.

1st 9 Weeks	
Points	Description
* # 100%	*Homework, Classwork, Test, Groups, Absenteeism, Projects will determine students grade.
2nd 9 Weeks	
Points	Description
* # 100%	*Homework, Classwork, Test, Groups, Absenteeism, Projects will determine students grade.
3rd 9 Weeks	
Points	Description
*100%	*Homework, Classwork, Test, Groups, Absenteeism, Projects will determine students grade.
4th 9 Weeks	
Points	Description
*100%	*Homework, Classwork, Test, Groups, Absenteeism, Projects will determine students grade.

Late Work Policy

* Be sure to pay close attention to deadlines—there will be no makeup assignments or test, or late work accepted without a serious and compelling reason and instructor approval.

Viewing Grades in ASPEN (optional)

Points you receive for graded activities will be posted to the ASPEN Grade Book. Click on the My Grades link on the left navigation to view your points.

* Your instructor will update the online grades each time a grading session has been complete—typically 2 days following the completion of an activity. You will see a visual indication of new grades posted on your ASPEN home page under the link to this course.

Letter Grade Assignment

* Final grades assigned for this course will be based on the percentage of total points earned and are assigned as follows:

Classwork-100%

Grading Scale:

A = 90 -100

B = 80 - 89

C = 70 – 79

D = 60 – 69

F = 0 – 59

I = Incomplete

X = No Credit

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Part 5: Course Policies

Attend Class

Students are expected to attend all class sessions as listed on the course calendar.

- If a student has chronic absenteeism it may affect their grades. If a student has an excused absence he/she will be allowed to make up their work.

Participate

- Students score for participation will be monitored by the work they turn in; grades will be posted to the ASPEN account for all assignments graded.

Build Rapport

If you find that you have any trouble keeping up with assignments or other aspects of the course, make sure you let your instructor know as early as possible. As you will find, building rapport and effective relationships are key to becoming an effective professional. Make sure that you are proactive in informing your instructor when difficulties arise during the semester so that they can help you find a solution.

Complete Assignments

Assignments must be submitted by the given deadline or special permission must be requested from instructor *before the due date*. Extensions will not be given beyond the next assignment except under extreme circumstances. Late or missing discussion assignments will affect the student's grade.

Incomplete Policy

Under emergency/special circumstances, students may petition for an incomplete grade. An incomplete will only be assigned upon approval by the principal and timeframe will be determined.

Academic Dishonesty Policy

1. Academic dishonesty includes such things as cheating, inventing false information or citations, plagiarism and helping someone else commit an act of academic dishonesty.
2. Course instructors have the initial responsibility for detecting and dealing with academic dishonesty. Instructors who believe that an act of academic dishonesty has occurred are obligated to discuss the matter with the student(s) involved. Instructors should possess reasonable evidence of academic dishonesty. However, if circumstances prevent consultation with student(s), instructors may take whatever action (subject to student appeal) they deem appropriate.
3. If an instructor finds the student to be guilty of academic dishonesty the student will be given a 0-F for the grade of the assignment.

Student Testing Code of Ethics and Security

It is important for you as a student to know that the following guidelines are to be strictly followed. This year the TN Ready EOC test will count at least 15% of your final semester grade. Your work on this test is very important and it deserves your best effort.

I understand that during testing on the days of the assessment, I am responsible for:

- Not having any electronic devices on me or in my purse/backpack/pockets
 - Including but not limited to cell phones, smart phones, smart watches, etc. **during testing or during breaks.**
 - Best practice is for students to leave devices at home or in their lockers on the day of testing.
 - If I am caught with a device during testing or during breaks, my test may be nullified, resulting in a zero as at least 15% of my semester grade, and any school level disciplinary action as deemed appropriate by the administration.
- Trying my best on the test
 - If I do not attempt to test (I give **no answers or randomly answer** questions) my test score may be nullified, resulting in a zero as at least 15% of my semester grade, and any school level disciplinary action as deemed appropriate by the administration.
 - The testing administrators and proctors in the testing environment will determine if no answers or random answering is taking place.
 - I will focus and put forth effort on the test.
- Being honest and not cheating
 - If I am caught cheating (taking pictures of the test, writing down and passing answers, talking to other students, looking on other computers, using software outside the testing platform), my test may be nullified, resulting in a zero as at least 15% of my semester grade, and any school level disciplinary action as deemed appropriate by the administration.