

DRAFTING 2 ARCHITECTURE

SPRING 2025

erhinehart@haywood.k12.nc.us

ETHAN RHINEHART

ROOM: E6

COURSE DESCRIPTION: This course focuses on the principles and concepts of architectural design, and the use of Building Information Modeling (BIM), used in the field of architecture. An emphasis is placed on the use of 3D CAD tools in the design and execution of floor plans, foundation plans, wall sections and elevation drawings. An understanding of 3D CAD concepts and terms, and the use of 3D CAD software such as REVIT are essential to this course. This is a hands-on course where the majority of class time will be spent working on projects/drawings; supplemented with lecture & discussion. Residential Building code will be followed when designing and producing architectural drawings.

COURSE OBJECTIVES: Architectural Styles
Terms, Features and Elements of Design
Floor Plans
Symbols, space planning, Residential Building Code
Foundation Plans
Types of Foundations and Construction Methods
Basic Roof & Floor Systems
Different Roof & Floor Styles and Understanding Plans for each
View Types
Plan Views, Section Views, Elevation Views, 3D Views & Detail Views
Building Materials
Residential Construction Documents Set
Applying schedules & labels
Creating Sheets, Title Block editing & Printing
Autodesk Certification - REVIT

GRADING: Daily Work, Quizzes, Tests & Projects

Final Course Grade: N1 = 37.5% + N2 = 37.5% + Final Exam = 25%

PROOF OF LEARNING: Autodesk Certified User: REVIT Exam
To be taken approx. 2 weeks before final exam week. Accommodations not available.

ATTENDANCE: 5 absences = Letter & phone call to parent
7, 8 & 9 absences = make up that time at attendance make-up session
10+ absences = Submit appeal to office / potentially no course credit

SUPPLIES: You will need:

- * A Pencil (0.5 or 0.7) & Eraser
- * Notebook / Folder

ASSIGNMENTS:

Turn in all assignments on time. Keep your notebook **organized** and in your drawer / cabinet at all times. Notebooks will be checked periodically (announced or un-announced).

MAKE-UP WORK POLICY:

Students shall have two (2) school days per absence to complete missed assignments. A maximum of ten (10) days will be allowed for students to complete all missed work.

CLASSROOM RULES:

Posted at the front of the room.

You are in high school...you should know how to act and what's expected!

TECHNOLOGY USE:

Use of the computer, HCS network and Internet is required for this course. The HCS policy 3226/4205 *Internet Safety* and HCS policy 3225/4312/7320 *Technology Responsible Use* will be reviewed in class. All students are expected to know, understand and apply these policies. Violators will lose computer privileges which could result in failure of this course. You do not have privacy while using HCS computer systems. The computer systems are monitored and anything that you send or receive may be viewed by employees of HCS. Students will be asked to sign that they have read and understand these policies. School-issued email accounts should only be used for school related activities. These accounts are also monitored and violations can result in a loss of computer privileges.

1	6
2	7
3	8
4	9
5	10