



Advanced Architecture

Course Syllabus 2025-2026

Expand your experience of Architecture 1 with further work into aspects of design, Green Architecture and more Advanced Architecture Projects!

Class Section Advanced Architecture Google Classroom Code: Period 3	Preston Michaels pmichaels@bisd303.org Office Telephone: 206.855.0567 Office Hours: 7:30-8:15am Planning Period is 6th Zoom office hours: By appointment Only
---	--

Course Information:

Description

The intent of this Architecture course is to practice architectural design processes to produce complete sets of working architectural drawings. . Emphasis will be on principals, materials, and systems used in drawings; ICC Building codes and introduction to LEED Green Building Design. BIM software (Revit©) will be the primary software tool used. The course will conclude with a culminating drawing set and model of a problem based design project.

Format

Continuous Learning. This course is designed for students to be able to access all content and activities using PC's and school.

Learning Objectives

- Upon the successful completion of this course, students will be able to:
- Identify a wide spectrum of materials used for building design and construction.
 - Apply engineering practices to building design
 - Understand, define and apply green building practices to design.

- Define and consider and integrate building systems into design of structures.
- Various presentation mediums covered for project presentations.

Learning Resources - ALL POSTED IN GOOGLE CLASSROOM

- Drafting and Design for Architecture and Construction -9th Edition-2013 (Hepler/Wallach)
- Revit© (Autodesk)
- Digital Media/Handouts

Course Overview

Weeks 1-5 (tentatively)

Review of :

General Architectural and Engineering Terms

Drafting Practices (Review)

Building Codes

Materials

Engineering Buildings

Stair Design

Weeks 6-9

House Design:

Conventional vs Green what is the difference?

Sustainable Architecture

LEED Design Considerations

Electrical, Mechanical and Plumbing System design.

Kitchen and Bath Design

Weeks 10-20

Revit © BIM Software Presentation Model

Physical Model(s)

Final Project Presentations

Student Expectations

Attendance and Engagement

Unless they are ill, all students are expected to participate in all learning activities, whether these are held on campus or online. If a student is unable to participate in these activities, they must make alternative arrangements with the teacher.

Academic Honesty

Honesty is a compelling principle by which we operate all aspects of student and school life. Academic honesty is highly valued at BHS. Students should not cheat or plagiarize, nor should they tolerate such among fellow students. Students do not receive credit for work that is not their own. Cheating is defined as an attempt to earn credit or receive a grade for coursework in a manner other than defined as acceptable by the teacher. Plagiarism is the taking of language, ideas or thoughts from another person or resource without acknowledging the source. Students who use plagiarized papers or projects or are involved in any other form of cheating will be subject to reduction in grades and/or disciplinary action for a first offense. Because of the serious nature of academic honesty, violations of this code may result in loss of credit for the assignment with a recorded failing grade. It may also entail loss of credit for the course with a recorded failing grade, removal from the course with a failing grade, and/ or additional appropriate disciplinary action. (BISD Student Handbook)

Communications and Self-Advocacy

Especially in a distance learning environment, students need to be comfortable advocating for themselves. If you have questions or concerns, please email your teacher and/or counselor. We cannot help you unless we know what you need.

Policies & Procedures

Attendance:

See district policy

<https://www.bisd303.org/site/default.aspx?PageType=3&ModuleInstanceID=114&ViewID=7b97f7ed-8e5e-4120>

Grading

Weighted Grades are used in this course. The following applies:

Classwork, Homework	40%
Project(s)	30%
Midterm and Final	10%/10%
Professionalism	10%

Bainbridge High School reports grades at the end of each semester; progress reports are available for at the end of Term 1 and 3. Letter grades are calculated using the following grading scale:

Grade

Mark	Description	High	Low
A	A	100.00%	93.00%
A-	A-	92.99%	90.00%
B+	B+	89.99%	87.00%
B	B	86.99%	83.00%
B-	B-	82.99%	80.00%
C+	C+	79.99%	77.00%
C	C	76.99%	73.00%
C-	C-	72.99%	70.00%
D+	D+	69.99%	67.00%
D	D	66.99%	60.00%

F

F

59.99%

0.00%

Submitting Assignments

- **Turning in work: ALL WORK WILL BE REQUIRED TO BE SUBMITTED IN GOOGLE CLASSROOM**
- **Late Work: ANY WORK SUBMITTED LATE WILL BE GRADED AS FOLLOWS:**
 - 1 WEEK LATE- 10% LESS than grade received
 - 2 WEEKS LATE- 20% LESS than grade received
 - 3 WEEKS LATE - 30% LESS than grade received

Exception notice - Communication with teacher about any upcoming late work needs to be done 48 hours prior to due time. Please communicate with TEACHER!

ABSOLUTELY NO WORK ACCEPTED AFTER MIDTERM- no matter communication or week status of due date!

Technology

Use of PC/Window based programs is required. Google classroom.

For tech support, please go to www.bisd303.org/techsupport and report your issue.