

COURSE DESCRIPTION:

Structural Systems II is an advanced-level course that builds on the introductory skills learned in the Fundamentals of Construction and Structural Systems I courses. This course will explore advanced framing, the physics of structural loads, and the coverings and finishes of structural systems. Upon completion of this course, proficient students will be able to install interior and exterior finishing, including roofing, siding, thermal and moisture protection components, drywall, doors, and trim. Throughout the course, students will interpret construction drawings to complete projects, implementing material estimating procedures and safe working practices. Standards in this course also expand on principles of the construction industry and delve deeper into business and project management strategies. Students will continue compiling artifacts for inclusion in their portfolios, which they will carry with them throughout the full sequence of courses in this program of study

Click below to view the state standards I'll be covering:

[Standards](#)

Class Topics we will be covering this year consist of:

Safety, Tools and Equipment, Structural System Loads, Cold-Formed Steel Framing, Exterior Finishing, Thermal & Moisture Protection, Roofing Applications, Windows, Doors, and Door Hardware, . Drywall Installation & Finishing, Drywall Finishing, Window, Door, Floor, and Ceiling Trim, Cabinet Installation, Green Building, Construction Drawings & Specifications, Business & Project Management, Portfolio

Resources Needed:

I will provide text books, safety equipment, and all tools for the students. The text books will be for in class use only. The students will need to provide a pen or pencil and paper.

Safety Procedures:

Students are required to pass a safety test with a score of 100 before using **ANY** tools in the shop. We will have a safety meeting before each shop class begins to discuss what PPE we will be using and safety procedures we will be following that day.

Assignments and Assessment:

Expectations:

I expect you to arrive on time ready to learn. A desire and willingness to learn about construction will help you excel in this class.

We will discuss the class rules on the first day and these will be posted where we can refer to them as needed. You are expected to follow them to create a fun and safe learning environment for everyone.

Grading Policy is as follows:

Daily Assignments- 10%

Professionalism- 20%

Test-20%

Participation on Projects-40%

Quiz- 10%

Explanation of Assignments & Projects – expectations/timeline/due dates, etc.

Make-Up Work Policy/Late Work Policy:

This class moves quickly so multiple absences will put the student behind several days, if not weeks. If a student is absent they will be given an opportunity to make up the work in a timely manner that will be discussed with the student depending on the assignment. Larger assignments will have more time given versus smaller assignments. If a student isn't able to complete an in class project due to absences an alternative assignment may be given. If you are going to be out for an extended period of time I will assign you a Google Classroom assignment.

Contact info:

If you need to meet with me I'm available during my 1st block planning period, 7:55-9:15.

You can also email me: jpritchard@claibornecsd.org

I'm looking forward to having you in class this year!