



Course Syllabus

**Structural Drafting
ARCE 1352**

Course Description: A study of structural systems including concrete foundations and frames, wood framing and trusses, and structural steel framing systems. Includes detailing of concrete, wood, and steel to meet industry standards including the American Institute of Steel Construction and The American Concrete Institute.

Semester Hours Credit: 3

Lecture/Lab Hours: This course consists of (3) lecture hours per week.

Prerequisite: None

Textbook(s): Structural Steel Drafting & Design, Maclaughlin 2nd ed., American Institute of Steel Construction, Delmar 2007.

Student Learning Outcomes:

- Identify components of structural systems;
- Use reference materials
- Produce drawing for concrete, wood, and steel framing systems
- Draw design details and connections for framing components
- Draw column and beam details for manufacture and assembly using various fastening methods.

Evaluation Methods:

Drawings & Assignments	50%
Tests	15%
Attendance and Participation	10%
Final Exam	<u>25%</u>
SEMESTER GRADE	100%



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See at: [GL \(Legal\)](#)

Special Needs Services: Students with special needs, including physical and learning disabilities, who wish to request accommodations in this course should contact the Student Development Office as soon as possible to make arrangements; this should occur no later than the second week of class or as soon as the student has the documentation on the disability and requested accommodation per a certified medical or psychological professional. In accordance with federal law, a student requesting accommodations must provide documentation of disability to the Student Development Advisor.

For more information, contact: in Alice at sdalice@coastalbend.edu; Beeville at sdbeeville@coastalbend.edu; Kingsville at sdkingsville@coastalbend.edu; and Pleasanton at sdpleasanton@coastalbend.edu.

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See at: [FLB \(Local\)](#) and [FM \(Local\)](#).

See the [Student Handbook](#) for further explanation of Scholastic Dishonesty.

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Coastal Bend College



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NOTE: The College website (www.coastalbend.edu) serves as the main source with the most current version of the Coastal Bend College Board Policies and the Coastal Bend College Catalog.