

Course Syllabus

Introduction To Layout and Fabrication

WLDG 1417

Course Description: A fundamental course in layout and fabrication related to the welding industry. Major emphasis on structural shapes and use in construction.

Semester Hours Credit: 4

Lecture/Lab Hours: 2/4 (2 lecture hours, 4 lab hours)

Prerequisite: None

Textbook(s): *Template Development For The Pipe Trades*. Delmar Publishing – R.P. Jones ISBN: 0827300778

Course Outcomes:

Upon successful completion of this course the student will:

1. Identify welding symbols
2. Identify and select measuring instruments and tools for fabricating projects
3. Recognize correct layout and fabrication terminology
4. Identify structural shapes and materials

Evaluation Methods:

1. Pop Quizzes
2. Assignments
3. Test
4. Final

Student Learning Outcomes:

- **Critical Thinking:** Students will utilize critical thinking skills to solve Angle Two Piece Turn. Assessment for this SLO will be conducted with students working on Assignment for Unit 7 – 32 degree Two-Piece Angle Turn. The target for this SLO, 90% of the class will sketch and layout a two piece angle turn with a 70% or better.

ADA Statement: No qualified individual with a disability shall, by reason of such disability, be excluded from participation in or be denied the benefits of the services, programs, or activities of the College District, or be subjected to discrimination by the College District. Nor shall the College District exclude or otherwise deny equal services, programs, or activities to an individual because of the known disability of an individual with whom the individual is known to have a relationship or association. 42 U.S.C. 12132; 28 CFR 35.130(g).

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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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.