Course Syllabus

Intermediate Shielded Metal Arc Welding (SMAW)
WDLG 1457

Course Description: A study of the production of various fillets and groove welds. Preparation of specimens for testing in various positions.

Semester Hours Credit: 4

Lecture/Lab Hours: This class meets for (2) lecture and (6) lab hours per week

Prerequisite: Intermediate Level

Textbook(s): Modern Welding by Goodheart-Wilcox Co., Inc. (Library of Congress, Catalog Card No. 6502044)

Student Learning Outcomes: Identify principles of arc welding; describe arc welding operations of fillet and groove joints; explain heat treatments of low alloy steels; and explain weld size and profiles; prepare test plates; perform fillet welds in the overhead position; perform air carbon arc weld removal; perform bevel groove welds with backing plates in various positions; and demonstrate use of tools and equipment.

Evaluation Methods:

1. Written examinations
2. Attendance
3. Lab test and lab performance
4. Destructive method using a guided bend tester
**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](mailto:sdalice@coastalbend.edu); Beeville at [sdbeeville@coastalbend.edu](mailto:sdbeeville@coastalbend.edu); Kingsville at [sdkingsville@coastalbend.edu](mailto:sdkingsville@coastalbend.edu); and Pleasanton at [sdpleasanton@coastalbend.edu](mailto:sdpleasanton@coastalbend.edu).

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See at: [FLB (Local)](mailto:FLB@coastalbend.edu) and [FM (Local)](mailto:FM@coastalbend.edu).

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.