



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



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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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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.