

Course Syllabus

**Flow and Measurement Calibration  
INTC 1358**

\*\*\*\*\* Note to Student \*\*\*\*\*

Student Success is our number one priority at Coastal Bend College and we realize that prompt, effective communication plays a significant role in achieving that goal. It is vitally important that you have the proper contact information for your instructor. This should include their phone number, email address, and if applicable, their office number, and office hours. If you ever have any problems contacting your instructor, or do not receive a prompt response to your inquiries, please contact the Director of Technical Programs, or the Dean of Workforce, as soon as possible. Their contact information is provided below:

Coordinator of Industrial Workforce: Rolando Chavarria; 361-664-2981 EX 3027 [rolandje@coastalbend.edu](mailto:rolandje@coastalbend.edu)  
 Director of Technical Program, Noemi Aguilar: 361-354-2306; [aguilar@coastalbend.edu](mailto:aguilar@coastalbend.edu)  
 Dean of Workforce Programs, Julia Garcia: (830) 569-4222 X1202; [jgarcia@coastalbend.edu](mailto:jgarcia@coastalbend.edu)

**Course Description:** Practical methods of flow measurements and flow integration. Emphasizes primary flow element selection and calculations in accordance with American Gas Association (AGA) and American Petroleum Institute (API) standards.

**Semester Hours Credit:** 3

**Lecture/Lab Hours:** This course meets for two (2) lecture and (4) lab hours per week.

**Prerequisite:** Intermediate

**Textbook(s):** Primer of Oil & Gas Measurement, 1st ed. PETEX. The University of Texas @Austin, 1993. ISBN: 0-88698-160-3; Catalog #8.20010  
 Treating Oil Field Emulsions, 4th ed. PETEX. The University of Texas @Austin, 1990. ISBN: 0-88698-137-9; Catalog #3.50040

**End of course outcomes:** Upon successful completion of this course the student will:

1. Perform flow calculations
2. Select the proper primary flow element under specific conditions.

**Evaluation Methods:** Will be based on the following criteria:



Tests & Assignments 75%  
Final Exam 25%

**A-100-90 Points, B 89-80, C 79-70, D 69-60, F 59 & Below**

**Student Contribution:** Each student is expected to spend (3) hours per week preparing for class. Attendance is crucial for the success of this course. Student will be dropped after (3) consecutive unexcused absences.

**Student Learning Outcome:** Students will calculate gas measurements from a standard meter run and gauge tanks and flow measurements used by an operator on typical equipment used on an oilfield lease

**Assessment:** The assessment for this SLO will be conducted by written examination at mid-term exam.

**Target:** The target for this SLO is 90% of the class will perform the simulation with a 70% or better result.

**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)

**Special Needs Services:** Students with special needs, including physical and learning disabilities, who wish to request accommodations in this class should contact the Counseling Office as soon as possible to make arrangements. In accordance with federal law, a student requesting accommodations must provide documentation of disability to the Special Needs Counselor.

For more information, contact: in Alice at [salice@coastalbend.edu](mailto:salice@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)

**Academic Dishonesty:** Each student is charged with notice and knowledge of the contents and provisions of Coastal Bend College's rules and regulations concerning student conduct. All students shall obey the law, show respect for properly constituted authority, and observe correct standards of conduct. Scholastic dishonesty shall constitute a violation of these rules and regulations and is punishable as prescribed by Coastal Bend College policies FLB(Local) and FM (Local). Scholastic dishonesty shall include, but not be limited to, cheating on a test, plagiarism, and collusion.

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

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

**Copyright Law and Intellectual Property Rights Policy:** Copyright is the right of an author, artist, composer or other creator of a work of authorship to control the use of his or her work by others. Protection extends to literary works, musical works, dramatic works, pantomimes and choreographic works, pictorial and graphic works, sculpture, motion pictures and other audiovisual works, sound recordings and architectural works. Generally speaking, a copyrighted work may not be reproduced



by others without the copyright owner's permission. The public display or performance of copyrighted works is similarly restricted. Generally, the unauthorized reproduction, performance or distribution of a copyrighted work is copyright infringement and may subject the infringer to civil and criminal penalties. The Fair Use Doctrine outlines exceptions to this Law and is outlined in Coastal Bend College Policy, CT (Legal).

Coastal Bend College, its faculty, students and employees must comply with Copyright Law. Detailed information on Copyright Law and Intellectual Property Rights is available in Coastal Bend College Policy [CT \(Legal\)](#) and [CT \(Local\)](#).

Questions regarding this information should be directed to the Director of Library Services at: [library@coastalbend.edu](mailto:library@coastalbend.edu) or the Office of Marketing and Public Relations at: [socialmedia@coastalbend.edu](mailto:socialmedia@coastalbend.edu).

**Intellectual Property: Student /Third Party Works:** Rights to copyrightable or patentable works created by a student or a third party, that is, not a College District employee, shall reside with the author/ creator. Detailed information on Copyright Law and Intellectual Property Rights is available in Coastal Bend College Policy [CT \(Legal\)](#) and [CT \(Local\)](#).

NOTE: The College website ([www.coastalbend.edu](http://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.

**CIP Code Description: 15.0404 (Instrumentation Technology/Technician)**

**Revised  
Fall 2016**