Course Syllabus

Petroleum Instrumentation
PTRT 1324

Course Description: Study of instruments, instrument systems, terminology, process variables, and control loops as used in a petroleum environment.

Semester Hours Credit: 3

Lecture/Lab Hours: Class meets for (2) lecture hours and (2) lab hours per week.

Prerequisite: Introductory

Textbook(s): Introduction to Process Control Series 771: Schoolcraft Publishing.
Introduction to Instrumentation Series SPC 118: Schoolcraft Publishing.

End of course outcomes: Upon successful completion of this course the student will:
1. Describe the oil field instrumentation;
2. Identify the basic instruments used with temperature, pressure, level, flow, and analytical field applications
3. Describe the basic components of a control loop

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: Student will utilize personal and responsibility skills to identify basic instruments used with temperature, pressure, level, flow, and analytical field applications.
Target: The target for this SLO is 90% of the class will pass the assessment with a 70% or better.
Assessment: The assessment for this SLO will be conducted by oral and written examination at mid-term exam.
**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 sdalice@coastalbend.edu; Beeville at sdbeeville@coastalbend.edu; Kingsville at sdkingsville@coastalbend.edu; and Pleasanton at 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 or the Office of Marketing and Public Relations at: 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) 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: 15.0903 (Petroleum Technology/Technician)**

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Learning Innovation Excellence Leadership Diversity Respect Service Integrity Collaboration Communication

At all times, in all ways, the student is at the heart of all we do.