



**Course Syllabus**

**Instrumentation Drafting**

**DFTG 2408**

**Course Description:** Principles of instrumentation applicable to industrial applications, fundamentals of measurement and control devices; currently used ISA (Instrumentation Society of America) symbology, basic flow sheet layout and drafting practices.

**Semester Hours Credit:** 4

**Lecture/Lab Hours:** This course consists of (3) lecture hours and (3) lab hours

**Textbook(s):** Instrumentation 4<sup>th</sup> ed. Kirk,  
Instrumentation Workbook 4<sup>th</sup> ed. Weedon

**Student Learning Outcomes:** Upon completion of this course the student will be able to:

1. Identify ISA symbols
2. Interpret basic flow sheet layout principles
3. Interpret instrumentation/flow diagram relationships and flow/sheet/plot plan/piping/interrelationship
4. Prepare flow sheet (process and mechanical) diagrams

<b>Evaluation Methods:</b>	Drawings & Assignments	50%
	Tests	15%
	Attendance and Participation	10%
	<u>Final Exam</u>	<u>25%</u>
	<b>SEMESTER GRADES</b>	<b>100%</b>

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



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**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 to make arrangements 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 Special Needs Advisor. For more information, please go by or contact the Student Development (sd) Office: [sdbeeville@coastalbend.edu](mailto:sdbeeville@coastalbend.edu) in Beeville; [sdalice@coastalbend.edu](mailto:sdalice@coastalbend.edu) in Alice; [sdkingsville@coastalbend.edu](mailto:sdkingsville@coastalbend.edu) in Kingsville; and [sdpleasanton@coastalbend.edu](mailto:sdpleasanton@coastalbend.edu) in Pleasanton.

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