



**Course Syllabus**

**Machine Drafting  
DFTG 2402**

**Course Description:** Production of detail and assembly drawings of machines, threads, gears, utilizing tolerances, limit dimensioning and surface finishes

**Semester Hours Credit:** 4

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

**Prerequisite:** None

**Textbook(s):** Technical Drawing, Giesecke, Mitchell, Spencer, Hill, etc.,  
Prentice-Hall, 1997, 10<sup>th</sup> Ed.

**Workbook:** Technical Drawing Problems, Series 1, Macmillan Pub. Co.,  
1991, 9<sup>th</sup> Ed

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

1. Learn to interpret terms used in tolerancing.
2. Identify dimensions of two mating parts.
3. Draw spur and/or bevel gears
4. Draw details and assemblies
5. Identify interference and clearance fits
6. Identify types of threads forms
7. Interpret thread notes

<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>



**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 \(Local\)](#) and [FM \(Local\)](#).

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

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Coastal Bend College



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**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.