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### MAT 110T.01: Industrial Math

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# MAT 110T Industrial Math Syllabus

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**Text:** *Elementary Technical Mathematics* Ewen/Nelson, Brooks/Cole, Publisher

MAT 110T is designed to provide the mathematical background necessary for success in industrial areas. Topics covered include percent, ratio, proportion, formula evaluation, basic algebra, basic geometry concepts, trigonometry, and measurement.

## Fall 2006 Course Outline

8/28 M  Syllabus and Class techniques	8/30 W  §1.1, 1.2, 1.3	9/1 F  §1.4, 1.5 1.6 9/4 Labor Day	9/6 W  §1.7, 1.8	9/8 F  §1.10, 1.11, 1.12
9/11 M  §1.9, 1.13, 1.14	9/13 W  §formulas, 1.9, calculators, area and volume	9/15 F  §2.1, 2.2, 2.3	9/18 M  §2.4, 2.5, 2.6	9/20 W  §2.5, 2.6, 7.1, 7.2
9/22 F  <b>Test 1</b>	9/25 M  §3.1, 3.2, 3.3	9/27 W  §3.4, 3.5, 3.6, 3.7	9/29 F  Rev. Metric, areas, temps. and Volumes	10/2 M  §4.1, 4.2, 4.3, 4.7
10/4 W  §4.4, 4.5, 4.6, 4.8	10/6 F  <b>Test 2</b>	10/9 M  §5.1, 5.2, 5.3	10/11 W  §5.4, 5.5, 5.6	10/13 F  §6.1, 6.2
10/16 M  §6.3, 6.4	10/18 W  §6.5, 6.6, 6.7 10/20 F MEA Days	10/23 M  §6.8 6.9	10/25 W  Geometric formulas, algebra catch-up	10/27 F  <b>Test 3</b>
10/30 M  §7.1, 7.2	11/1 W  §7.3, 7.4	11/3 F  §8.1, 8.2	11/6 M  §8.3, 8.4	11/8 W parallel & perpendicular 11/10 F Veterans Day
11/13 M  §9.1, 10.1, 10.2	11/15 W  §10.3, 10.4	11/17 F  §11.1, 11.2	11/20 M  <b>Test 4</b> 11/22 W Travel Day	11/27 M  §12.1, 12.2, 12.3
11/29 W  §12.4, 12.5, 12.6	12/1 F  §12.7, 12.8	12/4 M  § 13.1, 13.2	12/6 W  <b>Graphing Review</b>	12/8 F  <b>Cumulative Review</b>

12/11 - 12/15

**Cumulative Final  
?????? TT 11**

This syllabus is, of course, approximate and subject to change as the needs of the class demand it (or as the whims of the instructor dictates). Be flexible and try to do your best and I promise that I will do likewise.

## **Grades**

Final grades will be based on the chapter tests, in-class quizzes, problem/practice sets, the cumulative final and class attendance. Chapter tests are worth about 70 points each and the cumulative final is worth 120 points for a total. The following grading scale will be used.

90-100%	A
80-89%	B
68-79%	C
60-67%	D
Below 60%	F

## **Makeup Tests and Late Problem Sets**

If you have special circumstances, which prevent you from taking a test on time, please make every effort to notify me ahead of time. Only under the direst circumstances will a makeup test be given without prior approval. Problem sets **will not** be accepted later than the day the test is taken.

## **Test Return Policy**

I will attempt to have corrected tests returned no later than one week after the test date. There is no way I will be able to return corrected tests any sooner. If you have questions regarding corrected tests, please wait till after class to discuss them with me.

## **Attendance**

Attendance has been found to be entirely necessary and thus is considered extremely important. Extra time to make up any missed work, including tests, will be at the discretion of the instructor and will not take up additional class time.

## **Cheating**

No form of cheating will be tolerated. The penalty for cheating on a test is loss of **all** points for that test. Cheating is not worth the effort and is unfair to those who are honest.