

MED 383W  
Spring 2014

Learning and Teaching Problem Solving  
Instructor: Dr. Tom M. Giambrone

Office Hours: Monday 10:00 – 11:00 Other times by appointment.

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Course Requirements.

Book

**Thinking Mathematically (2nd Edition) [Paperback]**

[J. Mason](#) (Author), [L. Burton](#) (Author), [K. Stacey](#) (Author)

See Bookstore

Attendance: You are expected to attend class regularly. *Missing more than two classes* can lower your grade for the course. Much of the material in the course will be presented in class which makes attendance essential. Your final grade will be multiplied by  $\frac{A}{T-1}$  where A is the number of classes you attended and T is the total number of classes held.

Assignments: Assignments will be given every class and will be collected or monitored with a short quiz. Problems from other material are to be placed in a separate notebook. This notebook may be used on the tests. Other problems should be in a separate notebook and notes for the class in a third. Group assignments will also be given. This is an important aspect of the course. The one thing that industry stresses that students lack is an ability to work cooperatively. The only place that problems are approached individually is in school.

Tests: There will be a midterm and a final for the course.

Grading: Your grade will be calculated as follows:

2 exams@ 25%      50%

Assignments 50%

A 100 - 95 %      B- 82 - 80 %      D 69 - 60 %

A- 94 - 90 %      C+ 79 - 77 % E- below 60

B+ 89 - 87 %      C 76 - 73 %

B 86 - 83 %      C- 72 - 70 %

Prerequisites. MAT 270 and two semesters of calculus. The level of problems will not require too much calculus , however you will be expect to do some induction proofs and combinatorics.