



Class: MED 307 Teaching Mathematics with Technology

Instructor: Dr. Tom M. Giambrone

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Office Hours: Tues/Thursday 1:15 -2:15

Other times by appointment

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Website: <http://math.buffalostate.edu/~giambrtm/>

Purpose of the course.

The role of this course is to provide an understanding of the technology in education so you can teach mathematics as a *thinking* curriculum.

Materials

All Materials will be distributed electronically at my Website

You will need:

TI 84 Plus or Silver Edition (TI 83 no longer in use.)

Recommended

Sketchpad Student Edition available at:

<https://www.mheducation.com/prek-12/program/MKTSP-HGA01M0.related.html?page=2&sortby=relevance&order=desc&bu=seg>

All other Materials will be distributed through my Web Site.

Scope of the Course

The course will cover all of the contemporary technological tools used in middle and secondary education today. Supplemental materials may be given at appropriate times. You will also be expected to work on computer assignment in the mathematics computer lab in Room SAMC 263 in the Math and Science Complex. I.

You will be expected to learn new mathematics and old mathematics in a new way.

Observations are a required part of this course.

Evaluation

Tests

These will be both traditional and non-traditional. assessments.

Assignments

Assignments will be given weekly and due the following week. Larger assignments such as unit plans will be due as published on the web site. Grade for an assignment will be demoted 20% of a grade for every day that it is late.

<http://math.buffalostate.edu/~giambtrm/med307>

Observation

As a part of the course and state requirement you must do 15 hours of observation.

Grades

Your grade for the course will be determined as follows:

The assignments - 35%
Projects/LessonPlans 30%
Tests 25%
Observations 10%

The grading scale will be as follows:

95-100	A
91-95	A-
87 - 91	B+
83 - 87	B
80 - 83	B-
77 - 80	C+
73 - 77	C
70 - 73	C-
60- 70	D
Below 60	E

Attendance.

Attendance is mandatory. Your final grade will be multiplied by $(N-A)/(N-1)$ where A is the number of classes you do not attend and N is the number of class meetings.

Notification for absence from tests.

You must notify me at least two hours in advance if you are unable to take a test. Illness must be documented by evidence of seeing a physician. (receipt with your name on it.) If there is a death in the family, please bring in the obituary from your local paper. This may sound cruel however, I have had a grandmother or two die several times in a semester. This way I can verify to other students, if challenged, that you did not receive preferential treatment.