

Catalog Description: *Mathematics Methods and Materials*. 3 hrs. Content and content-specific pedagogy for secondary mathematics education majors. (CR/PR: CI 470/Admin. 5)

Course Goals:

- To prepare prospective secondary mathematics teachers for entering the classroom
- To acquaint prospective secondary math teachers with successful teaching techniques
- To acquaint prospective secondary math teachers with useful teaching aids such as manipulatives and software
- To prepare prospective secondary math teachers to assess student knowledge
- To prepare prospective secondary math teachers to network effectively with parents and colleagues

Required Materials: Huetinck, Linda and Munshin, Sara N. *Teaching Mathematics for the 21st Century; Methods and Activities for Grades 6-12*. Third Edition. Pearson/Merrill/Prentice Hall. 2008.

Instructor: Dr. J. Silver

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Office Hours: 2:00-3:00 MF, 1:00-2:00 W, 10:00-11:00 TR

Homework Policy: Homework is due on the second class day (generally one week) after assignment. No excuses are accepted for late homework, but the lowest two homework grades will be dropped.

Attendance Policy: Attendance will be taken by the assigning of points for class participation. The lowest two participation grades will be dropped.

0 = not there 6 = minimal participation 8 = good 10 = excellent

Grading Policy: Grades will be assigned on a percentage basis. Homework, class participation, and the term project (Clinical II Teaching Unit) will be weighted equally. There will be no exams.

90-100% = A, 80-89% = B, 70-79% = C, 60-69% = D, 0-59% = F