

MATH 399
Service Learning Experience in Mathematics
Winter 2010 – Monday 1:20-2:10 in JB 138

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Office Hours: MWF 10:00-11:30 and by appointment

Text: *Becoming a Reflective Mathematics Teacher, A Guide for Observations and Self-Assessment*, Second Edition, by Alice F. Artzt and Eleanor Armour-Thomas. This book is available at the bookstore.

Other Materials: In addition to the textbook, you will also be doing readings from selected articles, journals, and Mathematics Framework Guidelines. Copies of articles will be made available and you should access the following Frameworks online:

- *Mathematics Framework for California Public Schools* (2005) adopted by the California State Board of Education. This document contains the *Mathematics Content Standards for California Public Schools*. The full document can be downloaded as a pdf file from www.cde.ca.gov/ci/ma/cf.
- *Principles and Standards for School Mathematics* (2000) by the National Council of Teachers of Mathematics (NCTM). You can obtain 120-day free access to the full document at <http://standards.nctm.org/> by creating a login and password. If you want unlimited access to the document, you may join the NCTM online at www.nctm.org/.

Catalog Description: Supervised learning experience in the secondary mathematics classroom. Observation and participation that provides future teachers with first-hand experience and the opportunity to link their undergraduate mathematics course work with classroom experience. Includes weekly meetings on campus (one hour per week) and observation in a secondary classroom (20 hours).

Prerequisite: Math 329

Course Overview: This course is designed for future secondary mathematics teachers in connection with the requirements of the California Commission on Teacher Credentialing (CCTC) *Standards of Quality and Effectiveness for Programs in Mathematics*. It allows students to learn through first hand experiences while observing and participating in classroom settings. The relevant CCTC standards include:

- *Introductory experiences shall include one or more of the following activities: planned observations, instruction or tutoring experiences, and other school based observations or activities that are appropriate for undergraduate students in a subject matter preparation program.* (CCTC Standard 6.1)
- *Prospective teachers' early field experiences are substantively linked to the content of coursework in the program.* (CCTC Standard 6.2)

- *Fieldwork experiences for all prospective teachers include significant interactions with K-12 students from diverse populations represented in California public schools and cooperation with at least one carefully selected teacher certificated in the discipline of study. (CCTC Standard 6.3)*
- *Prospective teachers will have opportunities to reflect on and analyze their early field experiences in relation to course content. These opportunities may include field experience journals, portfolios, and discussions in the subject matter courses, among others. (CCTC Standard 6.4)*
- *Each prospective teacher is primarily responsible for documenting early field experiences. Documentation is reviewed as part of the program requirements. (CCTC Standard 6.5)*

Course Requirements:

1. **Observations** – You must complete at least 20 hours of field observations in a middle or high school with approximately 2 to 3 hours done per week. Each observation will focus on a specific instructional practice for which you will be taking notes to complete an observation report (see below for more details). For every field visit, you must log your hours on the *Field Experience Time Log* sheet and have this initialed by the cooperating classroom teacher.
2. **Observation Reports** – After completing your weekly observation you will be completing an observation report. There will be 5 weekly reports, each one focusing on a different aspect of instructional practice. Prior to each week’s observation you will be given an “observation form” with the procedure for the observation and corresponding questions. We will discuss these in class on the Monday before the visit. These reports will be due the Monday following your observation. The final observation report will be a culminating activity that will be due finals week. To receive full credit, each report must address all questions/areas on the observation form. Each report must also be typed on single sided paper and have a cover page stating your name, date, observation number and title. Your score will be based on completeness, thoughtfulness of reflections, grammar, and neatness. You should make copies of your graded reports to submit to your BATT Senior Portfolio in Math 599.
3. **Other Assignments** – During the first week, you will be completing a “*Math Autobiography*”. Please answer all questions as thoroughly as you can. This assignment must be typed on single-sided paper and will be due on Monday, January 17. You will be given periodic readings from the text, the *Mathematics Frameworks*, or other journals. Corresponding activities will be assigned.
4. **Attendance and Participation** – Students are expected to attend all scheduled classes and participate in discussions pertinent to their classroom experiences, assignments, and other education issues. Three unexcused absences will result in an automatic no credit for the course. Please arrive on time for class.

Grade Breakdown:

Attendance/Participation:	10%
Observation Reports:	60%
Other Assignments:	10%
Final Report:	20%

Grading Scale:

A	90-100
B	80-89
C	70-79
NC	0-69

Note: +/- grades may be given in the upper and lower ends of each grade range with the exception of A+ and C-.

Course Policies and Information:

- To receive a passing grade you must have at least 20 hours of observation verified on the *Field Experience Time Log Sheet*. The time log sheet may be checked periodically and is due no later than Friday, March 26. You should also make a copy of the completed sheet to submit to your Senior Portfolio in Math 599.
- Please note that although your grade is based on an overall percentage, the final report must be completed as well as at least 4 of the 5 weekly observation reports. Failure to do so will result in a no credit for the course. In other words, you cannot decide to forego assignments just because you have accumulated enough points on other assignments to earn a C.
- An automatic no credit will result from cheating, submitting work prepared by another person, or falsifying hours in the classroom. Students are referred to the "Academic Regulations" in the CSUSB Bulletin of Courses for the university's policies on course withdrawal and cheating.
- Please turn off all cell phones during class. Thank you!
- If you are in need of an accommodation for a disability in order to participate in this class, please let me know ASAP and contact Services to Students with Disabilities at UH-183, (909)537-5238.

- State Mandated Reduction in Direct Instruction
Faculty are contractually forbidden to provide instruction on six workdays this term. The daily schedule below reflects days when classes will not meet and also additional days when the instructor is not permitted to engage in such activities as meeting with students, advising, grading tests, responding to student work, writing letters of recommendation, and answering course-related e-mail (see “My State Budget Furlough Days” below). Faculty have also been asked to assign students additional course work to make up for omitted class meetings and otherwise to assure that students fully earn any credit hours they receive for this course.
- H1N1 (Swine Flu) and Attendance: To avoid a pandemic outbreak of H1N1, the campus is encouraging students, faculty, and staff to stay at home if they have any flu-like symptoms instead of coming to campus. So if you think you may have the flu, please stay home. You will NOT need to bring a doctor's note to excuse your absence. Please call my office and leave a message to let me know that you will be absent.

Important Dates:

January 15 - Last day to add via My Coyote Self Service
 January 18 - Martin Luther King Holiday, campus closed
 January 19 - My State Budget Furlough Day
 February 1 - Census date, Last day to drop via My Coyote without record
 February 12 - State Budget Closure Day
 February 25 - My State Budget Furlough Day
 March 2 - State Budget Closure Day
 March 11 - My State Budget Furlough Day
 March 22 - Last day of class
 March 26 - FINAL REPORT and Time Log Sheet due by 2:00 p.m.
 April 5 – Grades available via My Coyote