EDSC 542M: ADVANCED TEACHING METHODS FOR FOUNDATIONAL-LEVEL MATH

SPECIAL SECTION FOR CREDENTIALED TEACHERS*

Are you a Multiple Subject or Education Specialist credentialed teacher looking to earn authorization in Foundational-Level Mathematics?
Are you a Masters student with an interest in advancing your knowledge of mathematics curricula and pedagogy?

If so, this advanced methods course is especially for you!

COURSE OBJECTIVES
• Understand theories of learning mathematics and how these guide instructional practices.
• Build an awareness of and ability to enact instructional strategies that support mathematics learning for all students.
• Write mathematics units and daily lesson plans that clearly identify objectives and include a means of assessing whether these were achieved.
• Create instructional plans that exhibit a variety of teaching strategies including an emphasis on engaging students in mathematical discourse.
• Develop the ability to diagnose mathematical misunderstandings held by students and create learning opportunities to resolve those misunderstandings.

*Pre-Requisite: YOU MUST HAVE PASSED AT LEAST ONE SUBTEST OF THE CSET MATH EXAM or 1 SEMESTER OF CALCULUS TO ENROLL.

Financial support for CSET preparation and course fees may be available. Contact Dr. Hallie Yopp Slowik at hyopp@fullerton.edu for more information.

REQUIRED TEXTBOOKS

COURSE SCHEDULE
Start Date: 06-01-2009
End Date: 07-02-2009
Meets Tues, Wed, Thurs 4:00 to 6:45 PM [Sec 1] 7:00—9:45 PM [Sec 2—if needed]

For more information:
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