EDSC 542M for Summer 2017
Advanced Methods for Teaching Foundational-Level Mathematics

- Are you a Single Subject, Multiple Subject, or Education Specialist credentialed teacher looking to earn authorization in Foundational-Level Mathematics?
- Are you a Master's 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 and how these guide instructional practices aligned with California Mathematics Standards.
- 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 are well-aligned with Common Core math standards and varied modes of assessment including open response items and the use of writing.
- Create instructional plans that include an emphasis on engaging eliciting student thinking.
- Develop the ability to diagnose mathematical misunderstandings held by students and create learning opportunities to resolve these.

**Pre-Requisites to Enroll** *(to be verified by instructor):*
1. **YOU MUST HAVE AN EXISTING CREDENTIAL or HAVE COMPLETED A PRELIMINARY MATH METHODS COURSE** *(e.g., part of Multiple Subject credential program coursework); AND*
2. **YOU MUST HAVE PASSED AT LEAST ONE SUBTEST OF THE CSET MATH EXAM or EARNED CREDIT FOR 1 SEMESTER OF PRE-CALCULUS or STATISTICS.**

**COURSE SCHEDULE**
- Face-to-Face Orientation June 6, 4:00-8:00 PM in EC-031 at CSU Fullerton
- Synchronous Online Discussion every other Wednesday
  (June 14, 28, July 12, 26), 7:00-9:00 PM
- The rest of the course is conducted online from June 6 – August 4

For enrollment information:
http://www.summer.fullerton.edu

For course information:
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