

# EDSC 542M for Summer 2019

## 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 May 21, 4:00-8:00 PM in CP-120 at CSU Fullerton

Synchronous Online Discussion every other Tuesday 7:30-9:30 PM

The rest of the course is conducted online from May 28 – July 9

#### **For enrollment information:**

CSUF students use summer registration portal;

Non-CSUF students visit <http://ou.fullerton.edu/>

#### **For course information contact:**

Patrice Waller, Ph.D. [pwaller@fullerton.edu](mailto:pwaller@fullerton.edu)