
**UC Berkeley's
Transforming STEM Teaching
Faculty Learning Community Program (FLC) at CSUSM
Fall 2021- Spring 2022**

“Are you connecting with your students in your STEM courses? Join an institutional cohort of STEM faculty from CSUSM to enrich your courses, promote student engagement, and improve learning gains.”

What is the *Transforming STEM Faculty Learning Community (FLC) Program*?

Recently, the Departments of Biological Sciences and Physics were awarded a Howard Hughes Medical Institute Inclusive Excellence grant. One of the goals of the grant is to offer a STEM Faculty Learning Community (FLC) focused on providing professional learning for current faculty across the science curriculum in research-based instructional strategies (RBIS) and cultural competency to increase student interest and engagement. We will be using curriculum that was developed at UC Berkeley's Center for Teaching and Learning and the Lawrence Hall of Science through funding from the National Science Foundation (DUE #1347691 and #1626624) to support instructors of STEM courses to enhance teaching practices and improve student learning gains.

The program focuses on three goals:

- (1) support faculty to continue learning about effective STEM teaching practices within higher education
- (2) aid faculty to use this knowledge to redesign their courses
- (3) provide a community of fellow instructors to help support this progress

When will this FLC Program meet?

This program integrates both in-person and online (synchronous & asynchronous) sessions.

- ✓ Two-day kick-off retreat at CSUSM **Tuesday August 24th & Wednesday 25th, 2021** (9am - 5pm)
- ✓ Part 1: August 2021–December 2021 with synchronous online or in person sessions
- ✓ Part 2: January 2022-May 2022 with synchronous online or in person sessions

What happens in this FLC Program?

- ✓ The **kick-off retreat** allows faculty to share their personal teaching experiences and to become acquainted. We will introduce research on how people learn with relevant strategies and technologies for STEM lecture courses.
- ✓ The **synchronous portion of the program** will invite faculty to engage in a series of modules hosted online that expand upon topics in STEM learning in higher education. These sessions provide faculty with opportunities to test out active learning activities within their classes.
- ✓ Throughout **Part 1** (Fall 2021), faculty will work towards redesigning a course in anticipation of **Part 2** (Spring 2022) of the program, where implementation of the redesign actually occurs. Faculty will have opportunities to analyze videos of classroom instruction and reflect on the new active learning strategies within the community of faculty in this program.

Who will facilitate this FLC Program?

Suzanne Hizer, PhD, CSUSM Biology Faculty Member

Stephen Tsui, PhD, CSUSM Physics Faculty Member

How many spaces are available & who can apply?

There are a total of 12 spaces for faculty teaching STEM courses at CSUSM.

Is there funding associated with participating?

Yes! A **\$2000 stipend/honorarium** is available for faculty who fully engage and complete the program. The time commitment is approximately 50 hours spread out over 2 semesters.

What is expected in exchange for the stipend/honorarium?

Each of the following will result in a full stipend/honorarium:

- Attendance at the August 2-day kick-off retreat
- Completion of all online modules
- Completion of all program evaluation assessments (pre-survey; post-survey)
- Not required, but encouraged: presentation/poster at a CSUSM Faculty Center event

If I have follow-up questions; who can I ask?

Feel free to contact Suzanne Hizer (shizer@csusm.edu) or Stephen Tsui (stsui@csusm.edu)

How do I apply?

Please use the link below to apply.

<https://www.csusm.edu/fc/news-events/news/calls/stemflc-21-22.html>

Applications are due August 1, 2021