

Summer 7-31-2017

Min-Lin Lo CD Summer 2017

Min-Lin Lo
CSUSB, mlo@csusb.edu

Follow this and additional works at: <https://scholarworks.lib.csusb.edu/trc-cd>



Part of the [Higher Education and Teaching Commons](#)

Recommended Citation

Lo, Min-Lin, "Min-Lin Lo CD Summer 2017" (2017). *Innovative Course Redesign Grant Reports*. 3.
<https://scholarworks.lib.csusb.edu/trc-cd/3>

This Other is brought to you for free and open access by the Teaching Resource Center at CSUSB ScholarWorks. It has been accepted for inclusion in Innovative Course Redesign Grant Reports by an authorized administrator of CSUSB ScholarWorks. For more information, please contact scholarworks@csusb.edu.

Summer 2017 COURSE DEVELOPMENT GRANT progress report

NAME: Min-Lin Lo
DEPARTMENT: Mathematics
EMAIL ADDRESS: mlo@csusb.edu
DATE SUBMITTED: July 31, 2017

Title of Grant Award: Research Experience for Undergraduate (REU) in an Introduction to Proof Class

Project Goal: Design course structure that provides REU to enhance students' study.

Scheduled to Implement on: Spring 2018

Brief Description of the Project:

The main goal of this project is to design a class format and materials to be used in this course so that students can gain research experience as undergraduates. They will be learning the concepts and prove theorems like mathematicians do: through reading papers/books to understand definitions and learn other people's approaches for solving problems, try examples, form conjectures for general cases, and try to prove or disprove their conjectures. They will also be learning the communication skills needed as a researcher through in class presentations, writing research papers, doing poster presentations as well as oral presentation in a research conference if applicable.

PROGRESS REPORT:

According to the timeline included in my proposal, I've read resources on pedagogics related to REU and decided the format to use. I created course materials that provide REU for students; planed in-class activities and design assessment structure that would work effectively for our student body (See attached sample work sheets and the tentative syllabus).