

Seminar Program
The Science of Teaching: Evidence-Based
Approaches in Biology Education

UC San Diego
Biological Sciences

From learning objectives to exam questions: Examining how changes in framing can influence students' attitudes and learning



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Thursday, January 18th, 2023

10:00 – 11:00 AM; Q and A until 11:30

Natural Sciences Building Auditorium, Room 1205

Zoom link: 956 9214 7668

A roundtable discussion with Dr. Hsu will take place immediately after the seminar.

Abstract:

Learning objectives, quizzes, and exams are common across STEM courses. However, there has been little work done examining how students think about learning objectives and how the wording of such learning objectives may influence students' attitudes, motivation, and learning in class. Similarly, quizzes and exams are ubiquitous in STEM courses, but there has also been a paucity of past work investigating how the framing of such questions may impact students' reading and processing of the question as well as their attitudes. In this talk, we will explore how students conceptualize learning objectives and discuss ways instructors can use learning objectives to support student learning. We will then explore how different wordings of the same learning objectives and exam questions can play major roles in influencing students' attitudes and motivations and examine how instructors can apply these findings to their classes.

Hosted by: Claire Meaders (cmeaders@ucsd.edu)