

# CRICPE & BRNCOS FIRST SEMINAR SERIES

Thursday, March 3  
2 p.m. - 3:30 p.m.  
3310 Sangren Hall

**W** CRICPE  
Center for Research on Instructional  
Change in Postsecondary Education  
WESTERN MICHIGAN UNIVERSITY



## Implementation of a culturally-responsive pre-college engineering course and design activity

Culturally responsive (CR) teaching is a way of teaching that relates course content to the cultural background of our students. In this presentation, I will discuss an introductory engineering course that I developed and taught in Tibetan Children's Village School of Selakui, a school for Tibetan refugee high school students in Uttarakhand, India. I will show how I implemented this way of teaching in some of the topics of the course, and how I integrated the values of the school in a design activity with emphasis on sustainability. In addition, I will share my reflections about both the challenges and positive aspects of this way of teaching.

### PRESENTER

Marisol Mercado Santiago earned a Ph.D. in Engineering Education from Purdue University. Her doctoral dissertation was supported by the National Science Foundation Graduate Research Fellowship. Currently, she is a postdoctoral researcher at Western Michigan University in Dr. Megan Kowalske's research study "Understanding Underrepresented Minority Graduate Students' Experiences in STEM and SBE Disciplines."

### UPCOMING PRESENTATION:

Date: Thursday, March 17, 2016 2-3:30pm

Topic: History of the MLK Academy and the Adaption of the Model Across Campus

Presenter: Diana Hernandez, Jayne Fralys-Burgett, and Adriana Cardoso-Reyes, WMU

Location: 3310 Sangren Hall