

CENTRAL MICHIGAN UNIVERSITY

Department of Mathematics

GRADUATE STUDENT SEMINAR

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THE DEVELOPMENT OF QUANTITATIVE LITERACY
(QL) IN COLLEGE STUDENTS

Tuesday, April 14, 4:00 pm - 5:00 pm
Pearce Hall, Room 227

In this presentation, I will discuss my pilot study and some results from ongoing analysis with respect to college students quantitative literacy. Quantitative Literacy, according to Gillman (2004) is the ability to adequately use elementary mathematical tools to interpret and manipulate quantitative data and ideas that arise in an individuals private, civic, and work life (p. 5). My participants were 36 college students enrolled in a QL course at a large, public university in the U. S. I. administered a pre- and post-survey on students mathematical beliefs and identities as well as some pre- and post-tasks on basic quantitative reasoning concepts at the beginning of the course and after four weeks of instruction respectively. I also conducted in-depth qualitative interviews with two of the participants. I will share some of my findings with regards to change in students mathematical beliefs, identities, and QL skills.