

1116-R5-1029      **Vesna Kilibarda\*** (vkilibar@iun.edu), 3400 Broadway, Gary, IN 46408. *Assessment of Mathematical Reasoning Outcomes in a Mathematics Course for Liberal Arts Students*. Preliminary report.

Several years ago our college adopted common General Education Student Learning Outcomes for all undergraduate degrees that we offer at our university. We have recently finished the first cycle of assessing these outcomes and have begun the second cycle. As part of the second assessment cycle, our department planned and conducted an assessment of Mathematical Reasoning Outcomes (MRO) in a Mathematics Course for Liberal Arts Students.

Two questions that we wanted to answer are: i)How does the performance of our students this semester compare to their performance in the same course the previous assessment? ii)How students' success in this course relates to their success in the next quantitative course, usually introductory statistics.

The same selection of questions addressing MRO from common Midterm and Final Exams was analyzed in two random samples of our students to address the first question. A survey of faculty further revealed the strengths and weaknesses of our students in meeting MRO and we proposed an intervention to help improve their success. We analyzed data available in our student records to determine factors that predict the success of our students in their next quantitative course. The details and results of the study will be presented in this paper. (Received September 16, 2015)