

Learning Outcomes Assessment

Assessment ID: 166

Assessment Type: General Learning Outcome

Year/Term: 2009 / 2

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Program: Mathematics

Prefix / Course Number: MATH / 212

High Impact Practice (HIP):

- | | |
|--|---|
| <input type="checkbox"/> First Year Experience | <input type="checkbox"/> Learning Community |
| <input type="checkbox"/> Leadership Training | <input type="checkbox"/> Co-Curriculum |
| <input type="checkbox"/> University Writing Requirement | <input type="checkbox"/> Collaborative Assignments and Projects |
| <input type="checkbox"/> Undergraduate Research | <input type="checkbox"/> Diversity / Global Learning |
| <input type="checkbox"/> Service Learning / Community-Based Learning | <input type="checkbox"/> Internship / Practicum / Field Work |
| <input type="checkbox"/> Performance | <input type="checkbox"/> Portfolio |
| <input type="checkbox"/> Capstone Project | |

Learning Outcome: Communication

Assessment Method/Tool: Rubric

Measurement Scale: 1 - 3

Sample Size: 8

	Developing (# of students)		Adequate (# of students)		Proficient (# of students)	
	#	%	#	%	#	%
1. Clearly focuses and logically organizes communication	2	25.0%	3	37.5%	3	37.5%
2. Presents convincing evidence	2	25.0%	3	37.5%	3	37.5%
3. Edits carefully and accurately	1	12.5%	4	50.0%	3	37.5%
4. Employs graphics, media, and source materials appropriately and ethically	4	50.0%	1	12.5%	3	37.5%
Averages: (based on 8 student sample size)	2.3	28.1%	2.8	34.4%	3	37.5%

Benchmark: 85% Institutional benchmark goal for percent of students to meet "Adequate" or "Proficient" levels
 (This institutional benchmark does not take into account the level of the course and the preparedness of the students in the sample. Results will help the institution understand the learning needs of participating students.)

Percent Achieving Benchmark 71.9% Actual percent of students meeting "Adequate" or "Proficient" levels

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Question / Prompt / Assignment: (used for the assessment) End of term research project studying an aspect of the EOU campus community. Students collected and analyzed data and then reported their findings both orally and in a written report

Commentary / Explanation: (provide context within the course/activity for the question/prompt/assignment) In Math 212, the student studied the basics of study design and data analysis. This project was designed to help them apply what they had learned from lecture and the textbook. Their communication of the results of their project was evidence of their learning and ability to apply their learning to real world issues and settings.

Data Analysis: What do these results mean? (what do the results indicate regarding student proficiency in the outcome assessed) The results indicate that these students are just beginning to understand how statistical studies can be used to ask questions about our community and how to effectively communicate their findings.

Closing the Loop: For most of these students, this was their first exposure to statistics applied to real world studies. It was also their first attempt at communicating what numerical data say about an aspect of their community. For most of them it was a positive and illuminating experience. An experience that will inform the way the use math to communicate about their world and community.

How will you use the results to improve student learning?

How do these results relate to University, Program, and General Education Learning Outcomes?

Student Samples (optional): (web links to posted, online files)

NOTE: Student names cannot be used on the samples.

Developing Example (web address)

Adequate Example (web address)

Proficient Example (web address)