

COURSE SLO ASSESSMENT REPORT, SCC

Department: Mathematics Course: 105

Year: 2011 Semester: Spring

1) Outcome to be assessed	2) Means of assessment and criteria of success	3) Summary of data collected	4) Analysis of data	5) Plan of action/what to do next
<p>2. Students will locate and utilize mathematical resources and technology while demonstrating numerical reasoning and literacy.</p>	<p>Each student completed a survey that asked for specific information about the subject and resources used to complete one of their assigned projects.</p> <p>Students who mentioned using at least one resource to complete their project were considered "successful" in terms of locating and utilizing mathematical resources and technology.</p> <p>Surveys from 127 students were assessed.</p>	<p>The following were the main resources used by students for their projects: 78% used their math text, 73% used a calculator, 69% used the internet, 28% used a computer program, 24% obtained information from interviews, 24% used the college library or public library, 22% used Excel or a similar computer program for their project, and 6% used the tutors in MaSH.</p> <p>Seventy-four percent of the students surveyed said they were required to write some type of narrative for their project.</p>	<p>Students used a wide variety of mathematical resources to complete their projects, although most used the obvious – their text and a calculator. Since students were surveyed about just one of their projects, it is not known how resources and technology may have been used for any other projects they may have completed.</p> <p>Although 74% of students said they wrote some type of narrative, it is difficult to determine the level of numerical reasoning and literacy demonstrated in such narratives without looking at individual projects.</p>	<p>Restructure the student surveys to obtain more specific information about all student projects assigned.</p> <p>Collect a sample of student projects from Math 105 instructors and attempt to assess the second part of the SLO using samples of 5 or 6 students from each section of the course, if possible. This would require instructors to collect and save at least one student project to be given to the course coordinator for assessment. This may not be practical due to the nature of some of the projects. It may also be difficult to create a rubric for assessment of numerical reasoning and literacy, in which case it might be necessary to change that part of the SLO outcome.</p>

A copy of the project survey is attached.

Math 105 Project Survey

This semester you completed at least one project in Math 105. Please answer the questions below based on one specific project that you completed.

1. Please check the course text chapter subject matter upon which your project was based, if any apply.

Ch. 2 Sets _____

Ch. 9 Measurement _____

Ch. 3 Logic _____

Ch. 10 Geometry _____

Ch. 4 Numeration Systems _____

Ch.11 Probability _____

Ch. 8 Consumer Mathematics _____

Ch. 12 Statistics _____

If your project was not based on any of the subject matter in the chapters listed above, please give a brief description of the subject of your project.

2. Did your project require use of a calculator? (circle answer) YES NO

3. Did your project require generating a spreadsheet using a computer program such as EXCEL or a program similar to EXCEL? (circle answer) YES NO

4. Did your project require you to write a narrative (paragraphs)? (circle answer) YES NO

5. Did your project require a classroom presentation? (circle answer) YES NO

6. Did you work on your project by yourself, with one other student, or was it a group project?
(circle answer) SELF ONE OTHER STUDENT GROUP

7. Please check all of the following sources used to complete your project.

Internet _____

Radio _____

College library _____

Student interviews _____

Public library _____

Interviews with non-students _____

Computer Program _____

Tutors in MaSH _____

Your math book _____

Other (specify) _____

Newspaper _____

Television _____