

COURSE SLO ASSESSMENT REPORT, SCC

Department: Mathematics Course: Math 219 Statistics and Probability

Year: 2011 Semester: Spring 2011

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>A To read and critically analyze the validity of a statistical statement by considering how the data was obtained and the appropriateness of the statistical methods used.</p>	<p>16 Multiple choice test questions</p>	<p>69.7 % correct responses for SLO A</p>	<p>This is .1% drop from previous year. Three questions had low scores but improved a minimum of 10% over previous semester. The reworded question improved 26%. Are overall scores dropped because several other problems dropped in value. I attribute this to variability of data.</p>	<p>Instructors will be asked to continue to stress the concepts of the two questions missed as before. Methods of testing need to be taught better.</p>
<p>B Know how to collect data from a population and represent it in an organized visual manner.</p>	<p>8 Multiple choice One free response question</p>	<p>72.8 % correct responses for SLO B 85% drew a comparison graph correctly. 78% scored 3 or higher on a 4 point rubric.</p>	<p>This is 6.2% increase over the previous semester. Only one question had a low success rate but an improvement of 21% over the previous semester. It appears the wording change helped. This is a 7% increase over the previous semester for SLO B and an 10% improvement in rubric score.</p>	<p>The methods of collecting data and proper method for representing quantitative data need to be presented better.</p>
<p>C To read and interpret data represented in a chart or graph.</p>	<p>16 Multiple choice test questions</p>	<p>73.2 % correct responses for SLO C</p>	<p>This is an improvement of 6.7% increase over the previous semester. One questions had a high failure rate.</p>	<p>Concept of at least in probability needs to be covered better. Instructors will be made aware of the low success questions</p>