

**PROGRAM SLO ASSESSMENT REPORT, SCC**

Department: Mathematics Course: Math 219 Statistics and Probability

Year: 2009 Semester: Fall

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>B Know how to collect data from a population and represent it in an organized visual manner.</p> <p>C To read and interpret data represented in a chart or graph.</p>	<p>16 Multiple choice test questions</p> <p>8 Multiple choice</p> <p>One free response question</p> <p>16 Multiple choice test questions</p>	<p>62.6 % correct responses for SLO A</p> <p>59.7 % correct responses for SLO B</p> <p>80% drew a comparison graph correctly. 53% scored 3 or higher on a 4 point rubric.</p> <p>69 % correct responses for SLO C</p>	<p>This is the same result we had the previous semester. 3 questions had a very high failure.</p> <p>This is an improvement of 7% over the previous semester. 2 questions had a high failure.</p> <p>This is an 8% improvement over the previous semester.</p> <p>This is an improvement of 6% over the previous semester. 2 questions had a high failure rate.</p>	<p>Two of these questions will be reworded. The third determining probability for a mean using z-scores will be discussed with the instructors on presenting this question more clearly.</p> <p>The methods of collecting data and proper method for representing quantitative data need to be presented better.</p> <p>The relation to percentile ranking and standard deviation need to be presented better as well as how skewness affects the location of the mean in graph.</p>