

## SLO Assessment Plan – Intermediate Algebra

**02/07**

**Department:**

**Course:**

Expected SLO	Approach, Major Assignment, Assessment Method & Criteria	Term
<p>1. Through analyzing data either obtained numerically, graphically, or from a real world application, students will understand how to create, manipulate, and interpret mathematical models of relationships between quantities. The types of patterns that they will be able to work with and distinguish between are linear, exponential, logarithmic, quadratic, rational and radical.</p>	<p><u>Approach:</u> Representative samples of student work during and at the completion of the semester will be scored using rubric developed by department.</p> <p>1.1 Major Assignment: Quiz Item (formative direct)                      Assessment Method: Rubric Scoring                      Criteria: 60% will achieve <math>\geq 75\%</math></p> <p>1.2 Major Assignment: Exam Item (formative direct)                      Assessment Method: Rubric Scoring                      Criteria: 60% will achieve <math>\geq 75\%</math></p> <p>1.3 Major Assignment: Final Exam Item (summative direct)                      Assessment Method: Rubric Scoring                      Criteria: 60% will achieve <math>\geq 75\%</math></p> <p>1.4 Something indirect goes here</p>	

<p>2. Students will continue to develop their understanding of functions at an intermediate level. They will be able to translate between rule of 4 (graphic, symbolic, numerical/data, verbal/applied) function representations, and solve problems using their understanding of functions. They will be able to analyze and interpret inverse relationships at an introductory level.</p>	<p><u>Approach:</u> Representative samples of student work during and at the completion of the semester will be scored using rubric developed by department.</p> <p>2.1 Major Assignment: Quiz Item (formative direct) Assessment Method: Rubric Scoring Criteria: 60% will achieve <math>\geq 75\%</math></p> <p>2.2 Major Assignment: Exam Item (formative direct) Assessment Method: Rubric Scoring Criteria: 60% will achieve <math>\geq 75\%</math></p> <p>2.3 Major Assignment: Final Exam Item (summative direct) Assessment Method: Rubric Scoring Criteria: 60% will achieve <math>\geq 75\%</math></p> <p>2.4 Something indirect goes here</p>	
<p>3. Through successful problem solving, students will develop an appreciation of the usefulness and beauty of mathematics.</p>	<p><u>Approach:</u> Representative samples of student self perception obtained before, during, and at the completion of the semester.</p> <p>3.1 Major Assignment: pre and post 5-point survey given (indirect) Assessment Method: Compile Scoring Criteria: 60% will achieve <math>\geq 3</math> out of 5</p> <p>3.2 Major Assignment: Faculty department discussion (indirect) Assessment Method: Anecdotal evidence compiled Criteria: 60% will achieve <math>\geq 75\%</math></p> <p>3.3 Something direct goes here</p>	

