Intermediate Algebra Student Learning Outcomes

1. **SLO:** Through analyzing data either obtained numerically, graphically, or from a real world application, students will be able 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.

2. **SLO:** Students 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.

3. **SLO:** Through successful problem solving, students will demonstrate an appreciation of the usefulness and beauty of mathematics.