

Course Goals and Student Learning Outcomes for Math 215 (Current Feb 2017):

Course Goal 1: Understand data analysis from the viewpoint of elementary school curriculum, such as making and interpreting dot plots, pictographs, and bar graphs.

SLO 1: By the end of the course, students will be able to display, analyze, and interpret data.

Course Goal 2: Know how to use appropriate vocabulary, notation, and reasoning in valid mathematical explanations.

SLO 2: By the end of the course, students will be able to construct valid mathematical explanations.

Course Goal 3: Understand problem solving in the context of mathematical applications.

SLO 3: By the end of the course, students will be able to model and solve a variety of mathematical applications using various approaches relevant to the K-8 curriculum

Course Goal 4: Understand the interconnectedness of elementary mathematical concepts and relate these concepts to application problems.

SLO 4: By the end of the course, students will be able to communicate how various mathematical concepts are interconnected and describe the application of mathematics in a diverse range of fields.

Course Goal 5: Understand algebraic concepts from the viewpoint of elementary school curriculum.

SLO 5: By the end of the course, students will be able to demonstrate understanding of algebraic concepts of the K-8 curriculum.