

Math 215

1. **Communication:** Students will communicate mathematical ideas orally as well as in written form. They will demonstrate proper notation and terminology. They will collect, organize and present information relevant to the teaching of mathematics.
(Addresses UNM/ HED Area II: Mathematics Other College-Level Competency 1)
2. **Understand Ratios and Proportion:** Students will identify relationships which are proportional, representing ratios in a variety of ways using pictures, diagrams, equations and graphs. The students will demonstrate how percents connect to the concept of ratios and apply these concepts in real world applications.
(Addresses UNM /HED Area II: Mathematics Other College-Level Competencies 2 & 3)
3. **Understand Algebraic Concepts of the K-8 Curriculum:** Students will show that they can represent problems which lend themselves to algebraic representation, illustrating what slope for a linear relationship means and making connections between various ways to represent linear functions.
(Addresses UNM /HED Area II: Mathematics Other College-Level Competencies 2 & 3)
4. **Represent and Interpret Data:** Students will be able to represent data in different ways, such as tables and a variety of graphs. They will find statistically relevant information such as the mean, median and range. The student will apply this information to relevant real world scenarios, illustrating the connection that this information has to a particular application.
(Addresses UNM /HED Area II: Mathematics Other College-Level Competencies 1, 2, 3 & 5)
5. **Understand the Basic Concepts of probability:** Students will be able to distinguish between theoretical and experimental probability. They will make connections between the concept of ratio and the concepts from probability.
(Addresses UNM /HED Area II: Mathematics Other College-Level Competencies 1, 2 & 5)