MATH 119

Description: The main focus of this course is to develop awareness of occurrences, structures and uses of mathematics. Problem-solving techniques will be emphasized both in small group and in large group settings. Implications for the classroom teacher will be discussed. Techniques and uses of writing in the mathematics classroom will be studied. Particular attention should be paid to clarify some topics for the Common Core Standards that the students will have to start using in real teaching assignments.


Specific Objectives: By the end of this course, the students will
1. Develop a repertoire of problem-solving techniques.
2. Solve problems presented within the context of the following content areas:
   Sets, Functions, and Reasoning
   Elementary Number Theory (e.g., Factors; Primes; GCF; LCM).
   Integers and Fractions
   Elementary Statistics and Probability
   Elementary Geometry, Measurements
3. Have an understanding of how to connect and be able to access Common Core Standards information.

Principal focus for the material is covered on the chapters 1, 2, 4, 5, 7, 8, 10.
The book has an emphasis on theory and examples and with that in mind in the first page of our customized edition you will find the outline of theorems or topics to be studied and discussed in class.

Student Evaluation based on: Examinations (mid-term and final)
Projects
Journals
Class participation