Math 211-003  3 hrs. Credit
2:20-3:40 TTH
TCCW 303

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Office - TCCW 332       Home - 782-6018
Office Hours – 12:30-2:20 TTH       E-mail John.Spraker@wku.edu
10:05-12:00, 1:00-2:30 MW       webpage: www.wku.edu/~John.Spraker
(others by appointment or capture)

General Information
Welcome to Math 211. This is the first of a two course sequence for students pursuing (K-4) or (5-8)
certification. It does not carry general education credit. In fact, satisfaction of the general education math
requirement with a grade of C or above is a prerequisite for this course. A grade of C or better in 211 is
required in order to be allowed to enroll in 212, so study hard!

We will examine relations, systems of numeration, number theory, arithmetic, logic, and sets. The
emphasis is not just on how things are done, but why they are done the way they are done. Your students
will want to know this, and I want you to know it. Attendance is vital! Keep up. Make use of my office
hours. I am on your side. If you will work hard you can learn this material.

Class Procedures and Assignments
Every day homework will be assigned. It will be taken up occasionally and without warning, so do it
all. Every assignment is important. There may be in-class group activities assigned also. Be ready. I will
always spend a few minutes of class time working homework problems which you had difficulties with,
but don’t depend on this since I may take the homework up before doing so. In addition to this a writing
exercise and an internet activity will be assigned.

Math 211 Syllabus

TEXT: Mathematics For Elementary Teachers: A Contemporary Approach by Musser, Burger and

Chapter 1  Introduction To Problem Solving  2hrs
Chapter 2  Sets, Whole Numbers, and Numeration  5hrs
Chapter 3  Whole Numbers: Operations and Properties  3hrs
Chapter 4  Whole Number Computation-Mental, Electronic and Written  3hrs
Chapter 5  Number Theory  3hrs
Chapter 6  Fractions  6hrs
Chapter 7  Decimals, Ratio, Proportion, and Percent  4hrs
Chapter 8  Integers  2hrs
Chapter 9  Rational Numbers, and Real Numbers and Algebra  3hrs

TOTAL 31 Hours
3 to 4 hour exams
Tests and Attendance

There will be 3 major tests, and a comprehensive final. The dates are listed below. Any exam other than the final may be taken early, but almost never late. If you are going to be absent for any reason and would like to make arrangements for doing your work, you must call me ahead of time.

Exam I - Thursday, September 21
Exam II - Thursday, October 12
Exam III - Thursday, November 16
Final - Friday, December 15 1:00-3:00

Grading Policy

Exams (3) - 60%
Homework and writing - 15%
Final - 25%

A 92-100
B 84-91
C 76-83
D 68-75
F 67 or below

Student Disability Services

In compliance with university policy, students with disabilities who require accommodations (academic adjustments and/or auxiliary aids or services) for this course must contact the Office for Student Disability Services in DUC A-200 of the Student Success Center in Downing University Center.

Please DO NOT request accommodations directly from the professor or instructor without a letter of accommodation from the Office for Student Disability Services.

Good Luck!