

# Math 122 Number Concepts for Elem. School Teachers

Section F01  
MW 1:00 - 2:15 PM  
Piñon 206

## Contact Information

### Jeff Downs

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### Office Hours:

MW: 9:00 – 11:00 AM

F: 10:00 – 11:00 AM

or by appointment

**Prerequisites:** MATH 120 or equivalent or consent of the instructor.

**Course Description:** Introduces elementary problem solving with emphasis on the nature of numbers and the structure of the real number system. Designed for students seeking a teaching certificate in elementary education.

**Linkage to College Mission:** Provide instruction that contributes to a student's ability to think critically and solve problems; to reason mathematically and apply computational skills.

**Text:** A Problem Solving Approach to Mathematics for Elementary School Teachers  
9<sup>th</sup> ed, by Billstein, Libeskind, and Lott .

**Supplies:** Text, a TI Graphing Calculator is an optional but encouraged tool (the instructor will be using a TI 89).

<b>Grading Scale:</b>	<b>A</b>	90 – 100%
	<b>B</b>	80 – 89%
	<b>C</b>	70 – 79%
	<b>D</b>	60 – 69%
	<b>W</b>	below 60%

### Grade Breakdown:

Exams:	3 Exams @ 150 points each =	450 points
Quizzes:	10 quizzes @ 10 points each =	100 points
Homework:	30 assignments @ 3 pts each =	90 points
Math Lesson	1 @ 60 points =	60 points
Final:	1 Final @ 300 points =	300 points
<b>Total</b>		<b>1000 points</b>

**Exams:** There will be three exams, currently scheduled for **February 13, March 26, and April 28**, though day modification may be necessary. There will be **NO MAKEUP for missed exams**, therefore you will need to guarantee your presence at an exam or make arrangements to take the exam at an earlier date if you will not be present in class for the exam.

**Quizzes:** There will be 11 quizzes. The top 10 quizzes will be counted for the grade. Each quiz is worth 10 points toward the grade. If a quiz is missed, it will receive a score of 0.

**Homework:** I expect that *before* coming to class you have *read the section(s)* that we will discuss that day. Homework is due each day at the beginning of class. Each homework assignment is worth 3 points. There will be 30 assignments. **I will not accept any late homework.**

**Math Lesson:** You will create and present a 5 – 15 minute lesson on a topic in Mathematics. This lesson may include handouts, use power point, or be traditional. The choice is yours.

**Final Exam:** A comprehensive final exam will be given on **Monday, May 12**, during the regular class time. If your final exam score is better than your single lowest exam score, the final exam score will be used to replace the exam score.

**Attendance:** If a class is missed, it is the responsibility of the student to check what was missed. The college allows an instructor to drop a student after missing 2 classes. Attendance will be checked and absences in excess of 4 may result in withdrawal from the class at my discretion. However, no drops will be made after **April 21, 2008**. After that date the student will receive the appropriate grade. Any departure from the attendance policy must be pre-approved by **January 28, 2008**.

**Ethics Statement:** No cheating of any kind will be tolerated. Any student caught cheating, attempting to cheat or assisting in the cheating of another student will be expelled from the class with a failing grade.

**Note:** Please be polite and deactivate audio devices prior to entering class. Pagers and Cellular phones are distracting. Please do not receive calls during class time.

**Grade Appeals** can be made to Brigitte Dillet at: [bdillet@wnc.edu](mailto:bdillet@wnc.edu)

**Disability Statement:** I encourage any student needing to request accommodations for a specific disability to please meet with me or the DSS coordinator (445-3275) at your earliest convenience to ensure timely and appropriate accommodations.

**Important Dates:**

<b>Tuesday, January 22</b>	SPRING SEMESTER BEGINS 90% REFUND PERIOD BEGINS FOR FULL-TERM CLASSES EVEN EXCHANGE FOR CREDITS FOR DROP/ADD BEGINS
<b>Monday, January 28</b>	90% REFUND FOR FULL-TERM CLASSES ENDS
<b>Friday, February 1</b>	LAST DAY TO PAY FOR CLASSES WITH A LATE FEE
<b>Monday, February 4</b>	EVEN EXCHANGE OF CREDITS FOR ADD/DROPS ENDS
<b>Monday, February 18</b>	PRESIDENTS DAY HOLIDAY - CAMPUS CLOSED
<b>Monday, March 3</b>	LAST DAY TO APPLY FOR SPRING 2008 GRADUATION
<b>Friday, March 14</b>	LAST DAY TO CHANGE CREDIT TO AUDIT/AUDIT TO CREDIT
<b>Monday, March 17-21</b>	SPRING BREAK - NO CLASSES - COLLEGE IS OPEN
<b>Friday, May 9</b>	LAST DAY OF INSTRUCTION
<b>Monday, May 12</b>	FINALS WEEK

## Tentative Schedule

Week of	Monday	Tuesday	Wednesday	Thursday	Friday
Jan 21	Martin Luther King Jr. No Class		Intro 1.1/1.2		
Jan 28	1.3/1.4		2.1/2.2		
Feb 4	2.2/2.3		2.4/2.5		
Feb 11	Review for Exam I		Exam I		
Feb 18	Presidents Day		3.1		
Feb 25	3.2/3.3		3.3/3.4		
March 3	4.1/4.2		4.2/4.3		
March 10	4.4/4.5		4.5/4.6		
March 17	<b>Spring Break- Great Time to Study Math!</b>				
March 24	Review for Exam II		Exam II		
March 31	5.1		5.2/5.3		
April 7	5.3/5.4		6.1/6.2		
April 14	6.2/6.3		6.4/6.5		
April 21	6.5/6.6		Review for Exam III		
April 28	Exam III		Math Lessons		
May 5	Math Lessons		Review for Final		
May 12	Final Exam	<b>The Remainder of Finals Week</b>			