

SYLLABUS

MATH/MED 369 -- SPRING 2019

Teaching Middle School Mathematics II

There is little we do in America that is more important than teaching.
National Research Council, *Everybody Counts*

INSTRUCTOR

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TIMES

Class: M, T, W, R at 11:00 to 11:50 in Sci A213
Office Hours: Stop by anytime that I am not in class. Other times by appointment - just ask.

INTRODUCTION

We will look at mathematics for the middle school from a general, overall perspective. We will consider those concepts of mathematics that bind the various strands of mathematics, especially general mathematical structures.

GOALS OF THE COURSE

1. Become excited about teaching grade 6-8 mathematics.
2. Become familiar with the middle school curriculum along with state and national teaching and learning standards for mathematics.
3. Become familiar with the "structure" of mathematics.

COURSE REQUIREMENTS

A separate grade is given for the mathematics and mathematics education components of this course. Your grade for the course will be based on the following distribution of points: Assignments are always due one week after completion (see the Outline handout).

1. Assignment category: 60% of the grade.
 - Middle school math and beyond (10%)
 - Arithmetic on mars (20%)
 - Real numbers (20%)
 - Teaching why (10%)
2. Project category: 20% of the grade. (e.g., curriculum, manipulatives, geometry, algebra, etc.). See the *Outline* handout for due dates. Note: No more than 4 projects can be submitted for the first-time in any given week.
3. Attendance: 10% of the grade. Students are expected to attend all class periods. Much of the learning in this class will occur either during class, or as a result of attending class. You are allowed four absences during the semester (one week); plan your schedule accordingly (e.g., days before break, etc.). **Athletics and school events are not excused absences – be sure to see me in advance.** Of course there are exceptions for military service obligations. Absences that are beyond your control will be handled on an individual basis.

The attendance portion of your grade will be computed according to the following schedule:

Absences:	0-4	5	6	7 or more
Percentage Points:	10%	8%	5%	0%

It is YOUR responsibility to ensure that your name is on the attendance sheet each day that you are in class. **Note: At the discretion of the instructor, up to 10 additional percentage points may be deducted for excessive absences (more than 7).**

4. Subjectivity category: 10% of the grade. Given at the discretion of the instructor and based on the completion of above-and-beyond work and/or personal growth, but along with such things as attendance, class participation, level of preparation for class periods, work completed in a timely manner, overall performance in the course, etc. **To get a value of 10% means that you performed extraordinary in this course.**

GRADING POLICY

Final letter grades will be assigned as follows:

A, A-, or B+ refer to subjectivity category above

B [90% - 80%]; C (79% - 70%]; D (69% - 60%] F (60% - 0%]

Appropriate + and - scores will be added at the discretion of the instructor. An incomplete will not be given for this course, unless you provide evidence of a situation beyond your control that prevents you from doing your work for a substantial time. A heavy course load is not sufficient reason for an incomplete. Note: Since records for this course are stored on a computer, please keep all materials until final grades have been posted

Necessary conditions for an A & A-	Necessary conditions for a B+
<ul style="list-style-type: none">• Submit a written proposal justifying such a grade• Subjectivity must be at least 80%• Project category: at least 100%• A or A-: Full credit on the Arithmetic on Mars unit• A: At least 75% on the Real Number unit• No more than 4 absences• No late submissions	<ul style="list-style-type: none">• Submit a written proposal justifying such a grade• Subjectivity must be $\geq 70\%$• Project category: at least 75%• No more than 6 absences

WORK LOAD

University guidelines suggest that to do well in a course, students may need to spend 2-3 hours outside of class for each hour in class. Since this class meets four hours a week, you should expect to spend 8-12 hours a week in preparation for this course.

STUDENT RIGHTS AND RESPONSILITIES

You should be fully aware of your rights and responsibilities as a UWSP student. These are detailed in the *UWSP Community Bill of Rights and Responsibilities*:

<http://www.uwsp.edu/dos/Documents/Community%20Rights%20and%20Responsibilities%20book.pdf>

ACADEMIC MISCONDUCT POLICY

You are encouraged to work with others in the class (also with friends or tutors), but all of the work that you submit must be substantially your own. It is perfectly fine to get help, but you must personally understand whatever you submit for credit.

For a full discussion of the academic misconduct rules on the UWSP campus see Chapter 14 of the Rules of the Board of Regents, Wisconsin Administrative Code:

<http://www.google.com/url?sa=t&rct=j&q=&esrc=s&frm=1&source=web&cd=1&ved=0CB0QFjAA&url=http%3A%2F%2Fwww.uwsp.edu%2Fdos%2FDocuments%2FUWS%252014.docx&ei=v2zzU4XdH9jgoAS0pYKQBw&usq=AFQjCNE3yU8CJfs0O4CXRNkUIT-aZkSPrA>

FINAL NOTE

I invite and appreciate your comments and suggestions for the course as it unfolds. Please share with me in person or in writing your reactions and perceptions. Your contributions will serve to enhance the course for you, your classmates, and future students.