

Syllabus for Mathematics 394 Spring 2007

Professor: Dr. Klay Kruczek

Phone: 503-838-8829

Office: AA 208

Email: kruczekk@wou.edu

Web Page: www.wou.edu/~kruczekk/

CLASS MEETS
TF 2-3:50 AA104

Dr. Kruczek's OFFICE HOURS & SCHEDULE

Time	Monday	Tuesday	Wednesday	Thursday	Friday
9-10		<i>Office Hour</i>	<i>Office Hour</i>	USUALLY NOT ON CAMPUS	
10-11	Math 111	Math 111	Math 111		<i>Math 111</i>
11-12	<i>Office Hour</i>				<i>Office Hour</i>
12-1	Math 396		Math 396		Math 396
1-2		<i>Office Hour</i>			
2-3	<i>Office Hour</i>	Math 394	<i>Office Hour</i>		Math 394
3-4		Math 394			Math 394

Office hours are for you, so please introduce yourself in more detail to me and feel free to drop by for help. At times other than my listed office hours you are welcome and encouraged to call or email me with questions about the course

REQUIRED TEXTBOOK:

"College Geometry, A Problem-Solving Approach with Applications" Musser and Trimpe

COURSE PURPOSE & PREREQUISITE

This class is designed for students planning to be elementary school teachers. You must have completed Math 211, 212 and 213, each with a grade of C or better to enroll in Math 394.

Student enrolled in Math 394 should have the skill of understanding and knowing all of the basic vocabulary of geometric shapes, covered in Math 213.

LEARNING OUTCOMES FOR MATH 394

Students will demonstrate facility of working with and communicating clearly about:

- polygons, circles, polyhedra and their properties
- measurement
- perimeter, circumference, area, angles, surface area and volume
- the Pythagorean Theorem
- triangle congruence & similarity
- basic geometric constructions

COURSE STRUCTURE

Class will be a mix of an interactive lecture, hands on activities and problem solving sessions. Your attendance and participation in class is crucial and required in this course. We will work with concepts and hands-on activities from the text and other resources. Details will be posted on the Math 394 homework and schedule page.

- Please bring your text and your geometry tools to class every day.

CLASS WEB PAGE

There will be a link for the Math 394 webpage (where many course items will be posted) on my home page: <http://www.wou.edu/~kruczekk>. In particular, the class webpage: "Assignments & Activities" will be linked to your Math 394 webpage and will include the class schedule, homework assignments and due dates.

COURSE ASSIGNMENTS & ASSESSMENT

The following components will be assigned & assessed throughout the term: Details & dates will be posted on the Math 394 homework and schedule page.

- Text Problems
- In Class Exams
- Final Project
- Section & Homework Quizzes
- Hands-on Activity Write Ups
- Resource Investigations (journal articles, etc.)

READING THE TEXT

It is expected that you will carefully read your text. You will find class to be a more effective learning experience if you read the text section in advance of class.

TIME SPENT ON MATH 394 OUTSIDE OF CLASS

It is a standard academic rule of thumb to spend two to three hours out of class for every hour in class while studying mathematics or science. This is a 300 level mathematics course and the expectation is that you will spend 8 to 12 hours per week outside of class studying and working on the content of Math 394.

COURSE QUIZZES & EXAMS

Quizzes and exams with multiple choice and short answer problems that focus on your problem solving skills and ability to communicate your work will be assigned throughout the term. Details and due dates will be posted on the Math 394 hw and schedule page. The brief and unannounced quizzes will test your basic knowledge.

FINAL PROJECT

- There will be a final project in Math 394 connecting geometric activities and lesson ideas for children to the outcomes for this course. The final project will include both written and oral presentation components.
- The details of the final project will be provided later in term.

COURSE NOTEBOOK

You will need a well-organized notebook for this course.

The following sections are recommended for your course notebook:

Course Paperwork (syllabus, schedule notes, etc.); Class Notes; Activity Write ups;
Text Homework; Quizzes and Exams; Final Project

COURSE ASSESSMENT BREAKDOWN

- Attendance and in-class participation: 5%
- Turn in Homework of all kinds: 40%
- Exams and quizzes: 35%
- Final Project: 20%

LATE WORK POLICY

Your work is due by 4:30 p.m. on the due date, items turned in after 4:30 p.m. are considered late. All due items may be turned for a 25% point deduction for one class day late and a 50% point deduction for more than one class day late. No exceptions for unexcused late work.

EXCUSED LATE WORK

Excused late work will only be accepted in the case of documented emergency or a documented university sanctioned absence from class (examples: student teaching in the education program, university representation in a music presentation, etc.). Prior notification and my agreement are required.

APPROPRIATE CLASSROOM BEHAVIOR & ACADEMIC HONESTY

You are ultimately responsible for your own attendance and performance. Proscribed Conduct for all students is described in the University Catalog. Any student found copying from another student's paper, whether that student is currently enrolled in Math 394 or not, will receive a zero score on that paper.

LEARNING DISABILITIES

If you have a documented learning disability, please talk to me during the first few days of class, I will be more than happy to accommodate you in any way that I can. If you have a documented disability which requires any academic accommodations, you must go to the Office of Disability Services (ODS) for appropriate coordination of your accommodations. You can drop by APSC 405 or contact ODS at (503) 838-8250 (V,TTY) to schedule an appointment.

INCOMPLETE POLICY

An Incomplete can only be granted for a student who is passing a class and has a documented emergency that prevents them from completing the course.

STANDARD GRADING FOR THIS COURSE

Your grade for this course will be based on the following with A-, B+, B-, C+, C- given as is appropriate: A—90%, B—80%, C—70%, D—60%, F—below 60%