Syllabus for Mathematics 394 Spring 2007

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Office: AA 208

CLASS MEETS
TF 2-3:50 AA104

Dr. Kruczek’s OFFICE HOURS & SCHEDULE

<table>
<thead>
<tr>
<th>Time</th>
<th>Monday</th>
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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
- Section & Homework Quizzes
- In Class Exams
- Hands-on Activity Write Ups
- Final Project
- 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%