

MATH 394 SYLLABUS: SPRING 2017
INTRODUCTION TO GEOMETRY FOR ELEMENTARY TEACHERS

Professor: Dr. Matthew Ciancetta

Phone: 503-838-8829

Webpage: www.wou.edu/wp/ciancetm/

Office: MNB 125

Email: ciancetm@wou.edu

Final Exam: Thursday, June 15 from 10:00 – 11:50 am

OFFICE HOURS & SCHEDULE					
Spring 2017					
	Monday	Tuesday	Wednesday	Thursday	Friday
10:00	Office Hour MNB 125				
11:00	Office Hour MNB 125				
12:00	MTH Dept Meeting	MTH 394 MNB 103	MTH 402	MTH 394 MNB 103	
1:00					
2:00	Unavailable	Office Hour MNB 125	Unavailable	Office Hour MNB 125	Unavailable
3:00		Faculty Meetings		Office Hour MNB 125	
4:00					
5:00 – 7:00		MTH 396 MNB 104			

Please feel free to drop by my office during my office hours for help. You do not need to make an appointment to come to office hours. You are welcome to stop by my office at times other than my listed office hours and if I am available, I will help you. You are also encouraged to call or email me with questions about the course or make an appointment to come in. If you have direct scheduling conflicts with my office hours and would like further help, please let me know.

COURSE PREREQUISITE

- Math 211, 212 and 213, each with a grade of C- or better.

COURSE MATERIALS

Required Text:

Elementary Geometry for Teachers by Parker and Baldrige (ISBN: 9780974814056)

Optional Texts:

Primary Mathematics 3B Textbook (ISBN 9789810185039), Primary Mathematics 5B Textbook (ISBN 9789810185114), Primary Mathematics 6B Textbook (ISBN 9789810185152), New Elementary Textbook 1 (ISBN 9789812714114), Primary Mathematics 4A Textbook (ISBN 9789810185060), Primary Mathematics 5A Textbook (ISBN 9789810185107)

Geometry Tools

- High quality pencils and erasers: (For mechanical pencils, use lead size HB 0.7)
- You may wish to have scissors, colored pencils and a small amount of graph paper
- A protractor, a compass and a good ruler

CLASS MOODLE PAGE

There will be a link for the Math 394 web page on my home page: www.wou.edu/wp/ciancetm. You will find a link to the WOU Online system: Moodle (moodle.wou.edu). The 394 Moodle page is where your class materials and assignments will be posted. Note that there is a Moodle link at the top of most WOU homepages as well as a Moodle link in your Portal.

LEARNING OUTCOMES FOR MATH 394

Student in this class will demonstrate facility of working with and communicating clearly about:

- Measurement; 2-D Geometric Figures; Finding Unknown Angles ; Deductive Geometry; Area ; The Pythagorean Theorem; Similarity; Area Concepts and Circles; Volume and Surface Area

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 regularly explore new ideas during class and it will be difficult to make this work up on your own. Some days we will work with concepts and hands-on activities from the text and some days we will work with concepts and hands-on activities from 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.

ATTENDANCE / MISSED CLASS

Daily attendance is required for your success in this course. If you miss class, it is your responsibility to ask a classmate for notes on the material that you have missed. I will not have discussion notes available if you have missed class, nor will I repeat my discussion during office hours.

YOUR STUDENT WOU EMAIL ACCOUNT

All official university and class business and announcements will be directed to your WOU student email account. If you do not regularly check this account, please log in to this account and FORWARD your WOU email to an account that you do regularly access. Use the Options > Mail > Local Account > Forwarding path.

READING THE TEXT

The main textbook is Elementary Geometry for Teachers by Parker and Baldrige. We will explore material from chapters 1 – 9 and related topics. It is expected that you will carefully read your text. This text is meant to be used in conjunction with the six primary and elementary texts listed on the first page of this syllabus.

COURSE ASSIGNMENTS & COURSE ASSESSMENT BREAKDOWN

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

- 5% Checked off classwork & Activities (requires attendance and participation)
- 15% Moodle pre-class Homework Quizzes and Vocabulary Quizzes
- 25% Turn-in homework
- 5% Article Quizzes
- 20% Exam 1
- 20% Exam 2
- 10% Final Project

HOMEWORK & QUIZZES

Pre-class Homework Quizzes

There will be quizzes in Moodle based on posted powerpoints and content from the texts.

Vocabulary Quizzes

There will be several vocabulary quizzes. These will be Moodle quizzes covering the posted sections (see your 394 Moodle page).

Written Homework

Problems from each section will be assigned for you to write up in detail and turn in for grading.

Article Quizzes

Math Education journal articles will be posted in Moodle for students to read, followed by a Moodle quiz based on the content of each article.

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. Set up a regular schedule for yourself and stick with it. Success in mathematics is often directly linked to effort and regular practice.

EXAMS

There are two “midterm” exams scheduled in Math 394. Exams will contain both with multiple choice and short answer problems that focus on your problem solving skills and ability to communicate your work. Exam dates will be posted on the Math 394 Moodle page. Exam Review sheets are also included in your Moodle page.

- Make up exams will not be available unless you have
 - i) a documented emergency filed with the Student Affairs office (see <http://www.wou.edu/advising/absence/>) and my agreement **or**
 - ii) a documented University Sanctioned Absence from class which you have reviewed with me, and devised a plan for, **in advance** of the absence.

Ordinary illness of one or two class days does not count as a documented emergency, even if you have a note from a doctor.

FINAL PROJECT

- There will be 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 and will be done in assigned teams.
- The final project assignment is included in your MTH 394 Moodle page.

COURSE NOTEBOOK

File all of your course materials in your course notebook. The following sections are recommended:

1. Course Paperwork (syllabus, schedule notes, etc.)
2. Class Notes & Activity Write ups
3. Text Homework
4. HW and Vocabulary Quiz notes
5. Exams
6. Final Project

EXCUSED LATE WORK

Excused late work and/or make up homework or vocabulary quizzes will not be given unless you have

- i) a documented emergency filed with the Academic Advising & Learning Center (see the absence notification form at <http://www.wou.edu/advising/absence/>) **AND** my agreement

OR

- ii) a documented University Sanctioned Absence from class which you have reviewed with me, and devised a plan for, in advance of the absence.

Ordinary illness of one or two class days does not count as a documented emergency, even if you have a note from a doctor.

STANDARD GRADING SCALE FOR THIS COURSE

% Range	Grade
93 – 100	A
90 – 92	A-

% Range	Grade
87 – 89	B+
83 – 86	B
80 – 82	B-

% Range	Grade
77 – 79	C+
73 – 76	C
70 – 72	C-

% Range	Grade
60 – 69	D
Below 60	F

WOU STUDENT SUCCESS SPECIALIST

Students in this class may be referred to the WOU Student Success Specialist (SSS), Jessie Pool, if the instructor determines their performance in the class is placing them at academic risk. The SSS will **offer to** work with referred students to address issues and develop a student success strategy. **Irrespective of whether a referral has or has not been made, you are ultimately responsible for tracking your own progress in this course.** If you would like to meet with Jesse regarding any academic struggles you are experiencing, please contact the Academic Advising and Learning Center at 503-838-8428.

ELECTRONICS POLICY¹

Electronic items such as cell phones, laptops, iPads, iPods and e-book readers should not distract you or your classmates during class. If you are distracting yourself or others,

in any way, with an electronic item in class, you will be asked to step into the hall until you are done with the item. Unauthorized electronic items used on exams or quizzes will result in a score of 0 on that entire exam or quiz.

¹If you are in an emergency situation in which you need to have your cell phone on quiet; please speak to me about it before class.

VETERANS AND ACTIVE MILITARY PERSONNEL with special circumstances are welcome and encouraged to communicate these, in advance if possible, to the instructor. For WOU Veteran resources; please see <http://wou.edu/veterans/>.

FOOD AND BEVERAGES IN THE CLASSROOM

You are welcome to have unobtrusive snacks in the classroom that leave you entirely free to fully participate in the class. Food items that smell (such as fast food) that you eat with silverware, that need peeling, etc. are distracting and should be consumed prior to or after class.

You are welcome to have beverages in the classroom.

If you bring food or a beverage to class then please be sure to leave a clean workspace at the end of class.

APPROPRIATE CLASSROOM BEHAVIOR

You are ultimately responsible for your own attendance and performance. Disruptive classroom behavior of any kind, such as talking during lecture or consistently coming to class late etc., is not appropriate. Proscribed Conduct for all students is described in the University Catalog. In particular for this course any student found cheating on an exam or copying from another student's exam paper will receive a zero score on that exam.

LEARNING DISABILITIES

It is University policy to provide, on an individualized basis, accommodations to students who have disabilities that may affect their ability to participate in course activities or to meet course requirements. If you have a disability for which you are or may be requesting an accommodation, you must contact both your instructor and the Office of Disability Services, APSC 405, or at [503-838-8250](tel:503-838-8250), as early as possible in the term.

STUDENT HEALTH

Students needing medical or mental health care can access the Student Health and Counseling Center by calling [503-838-8313](tel:503-838-8313), emailing at health@wou.edu, or by walking in 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.