

# Math 106 – Fall 2011

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*Instructor: Tammy Nezol*

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*Office: Anstett 198 C*

*Office Hours: Monday 10-10:50*

*Wednesday 10-10:50, 12-1:20*

*Thursday 1:30-2:50*

Welcome to Math 106 - University Math II. We will study bases, finance, geometry, and logarithms.

You may take Math 105-6-7 in whatever order you wish, but **Math 95 or a satisfactory placement test score is a prerequisite for this course.** In order to do any of these sections you will need to be know material up through Algebra II. If it's been a while since you took an Algebra course it is strongly suggested you take a refresher course first.

## Required Materials

- Mathematics: A Practical Odyssey by Johnson and Mowry. **7<sup>th</sup> Edition.** Previous editions will not be useful as there have been some significant changes to the layout and homework.
- A scientific calculator. I prefer the TI-30X IIS. You will need several spaces for memory and you will need to know how to use the memory on your calculator.
- Paper without frayed edges
- A stapler – you are expected to bring it with you to each class
- Pencils
- Erasers
- A ruler with both inches and centimeters
- Access to Microsoft Excel
- Reliable internet access – with browsers that can access Blackboard and your official university email.

## Expectations

- You need to attend **every class**. You are expected to arrive on time and to stay for the duration of the class. Students that fail to do this have a hard time passing this class and usually do not succeed. If you must miss a class, you need to contact me and plan on coming to my office hours and your TA's office hours in order to catch up. Attendance will be taken at random and may affect your grade.
- You need to check your official university email and blackboard every day. Announcements, changes to homework, and other communications will often happen through email and blackboard.
- **You need to work on homework every day.** Since homework is only turned in once a week, it is very important you do not procrastinate. **A 4-credit course has about 8 hours of homework a**

**week**, more if you are rusty on the prerequisites. You cannot complete this homework at the last minute and expect to finish and/or get your questions answered. Start your homework for a section the moment we have started that section in lecture. Attend office hours regularly and come to discussion already having studied the material as you will be tested during the discussion.

- Complete all assignments on time. **Homework must be neat, organized, and your own work.** Homework should be stapled, free of frayed edges, stapled, in order, and neat.
- Take time to study every day. Cramming rarely leads to satisfactory performance. The more you study each day the less you will have to cram and the more likely you are to pass the course. Studying each day will also save you time in the long run and will help you to get help when you need it.

## Office Hours

My office is Anstett 198C. Anstett is connected to Lillis. 198C is on the lower level.

My office hours are listed at the top of this syllabus but may change as needed. To keep updated on office hours and any changes that may occur, keep checking blackboard.

Office hours are a great time to stop by and get help. Some times will be busier than others but I will do my best to get through as many questions as I can. Your TA will also hold office hours. Students who attend office hours tend to do better than those who do not.

## Discussions

During discussions, you will turn in homework and take a quiz and/or complete a worksheet. Only ten minutes will be devoted to questions. You are expected to have finished your homework before attending discussion. You are also expected to have studied the material so that you can take a quiz or quickly complete a worksheet on the material.

Remember, homework is due weekly, but you should be doing homework daily. It's very important that you do not wait until the last minute to do homework. You should work on your homework on a given section when we start that section in class.

## How to find help

There are several opportunities for help around campus:

- TA office hours
- My office hours
- Fenton Hall Reading Room – free tutoring is available here at certain times. Blackboard will list these times as soon as I know them.

- Teaching Learning Center –free drop in tutoring is available in the basement of the PLC. Usually this is 9-4 Monday through Friday. Check blackboard to verify this.
- The Teaching Learning Center also provides a list of tutors you can hire for 106.
- Discussion Board – there is a discussion board on Blackboard. You can post homework and concept questions there. I do not check this after 6 p.m. on any given night so it is important that you are working on the assignments early enough to ask questions. You are expected to keep all posts respectful.

## Assignments

### Readiness Quiz:

There will be a readiness quiz during the first week discussion. It will cover all material from Algebra II and before. You should study: decimals, fractions, algebra, polynomials, factoring, foiling, order of operations, multiplication, division, subtraction, etc. Review sheets are online. It is a good idea to start now. Even if you think you know a certain topic well, try a few problems to make sure you remember the process.

### Group Work and Quizzes:

There will be several in-class assignments and quizzes throughout the term. Some assignments will be considered group work and you will have the opportunity to work with other members of the class to find solutions. It is important that you take the time to understand the how and why of each section. Your work must be your own.

Some assignments you will be expected to complete without any help. These quizzes are noted on the schedule, but I reserve the right to add more quizzes as needed. **It is a good idea to study for a quiz by studying as though you are taking a quiz.** Time yourself. See what you can do without looking at notes. This is a good way to see what you understand and what you still need help with.

### Homework:

Homework is to be completed daily. I highly suggest you start the assignments immediately after lectures. **Do not procrastinate.** Homework is due weekly during the discussion. Homework should be completed before you attend the discussion.

NO LATE HOMEWORK is accepted. I do drop two homework assignments to account for illness, funerals, weddings, and other life events that are more important than attending class.

**Each week is one homework assignment. Staple, in order, all sections due on the same day.**

### Exams:

There will be three exams in this class as per the schedule.

Final exams are given based on the office finals schedule:

[http://registrar.uoregon.edu/calendars/final\\_exam](http://registrar.uoregon.edu/calendars/final_exam)

The third exam (the final exam) is **Friday, December 9 at 8 am**. You are expected to take the exam at this time. Do not buy your plane tickets for an earlier date. **If you have any conflicts with the final you should discuss these with me right away on Monday of Week 1.**

### **Project:**

Our finance section will contain a short project worth 5% of your overall grade. **You will need Microsoft excel to complete this assignment.** YOU MUST DO ALL THE WORK YOURSELF! (You can get help, but ultimately the work must be your own) This project will be due on Tuesday of Week 10. **No late projects will be accepted.**

### **STUDYING:**

There is often confusion on how to study math. A few helpful guidelines:

- At some point, **put your notes away**. You won't know what you can do on a quiz or exam until you try it in a similar format. Test yourself on what you can complete accurately without the help of a tutor, book, or notes.
- Review notes nightly. Study a little at a time. The brain can only handle so much at once. If you study in large blocks, you will forget a lot of the material you think you have learned. Instead try shorter blocks with breaks. Don't forget to sleep!
- **Try odd problems from the book.** Redo problems that have given you trouble. Keep a list of common mistakes and continue to try problems that give you trouble.
- Work through the examples in the book. This is especially useful when you are stuck on a question.
- **DO NOT PROCRASTINATE!** I can't emphasize this enough. You should do homework the moment we start that section in lecture. If you fall behind you are unlikely to catch up. If you are starting the homework the night before it is due, you are behind!
- **ASK QUESTIONS!** Take advantage of office hours and on the discussion board.

## Tentative Schedule (subject to change)

We will often be ahead of this schedule. Sometimes we will be behind the schedule. Always email me to see what you missed if you are forced to miss class.

**Remember you are turning in a lot at once. You are expected to spread the assignments out throughout the week. Treat it as if you have daily homework. Do not procrastinate!**

<b>Week 1</b>	Lecture/Activity	Assignments Due	<b>Week 6</b>	Lecture/Activity	Assignments Due
Tuesday	8.1/8.2		Tuesday	10.1/10.2	
Thursday	8.3		Thursday	10.3	
<b>Discussion</b>	<b>Readiness Quiz; Geometry Worksheet</b>	<b>HW Due: 8.1</b>	<b>Discussion</b>	<b>Quiz 7.4, 10.0-10.1</b>	<b>HW Due: 10.0 A&amp;B, 10.1</b>
<b>Week 2</b>			<b>Week 7</b>		
Tuesday	8.4		Tuesday	5.1/Review	
Thursday	8.5		Thursday	<b>Exam 2</b>	
<b>Discussion</b>	<b>Quiz 8.1-8.4</b>	<b>HW Due: 8.2-8.4</b>	<b>Discussion</b>	<b>Calculator Worksheet</b>	<b>HW Due: 10.2, 10.3</b>
<b>Week 3</b>			<b>Week 8</b>		
Tuesday	8.7		Tuesday	5.2/5.3	
Thursday	7.1/Review		Thursday	5.4	
<b>Discussion</b>	<b>Quiz 8.5, 8.7</b>	<b>HW Due: 8.5, 8.7</b>	<b>Discussion</b>	<b>Quiz 5.1-5.2</b>	<b>HW Due: 5.1, 5.2</b>
<b>Week 4</b>			<b>Week 9</b>		
Tuesday	<b>Exam 1</b>		Tuesday	5.5	
Thursday	7.2, 7.3		Thursday	No Class	
<b>Discussion</b>	<b>Bases Worksheet</b>	<b>HW Due: 7.1</b>	<b>Discussion</b>	<b>No Discussion</b>	<b>HW Due:*</b> <b>5.3, 5.4</b> <b>Take-Home</b> <b>Quiz:* 5.1-5.4</b>
<b>Week 5</b>			<b>Week 10</b>		
Tuesday	7.3, 7.4		Tuesday	5.6	<b>Project Due</b>
Thursday	10.0		Thursday	Houses/Review	
<b>Discussion</b>	<b>Quiz 7.1-7.3</b>	<b>HW Due: 7.2, 7.3, 7.4</b>	<b>Discussion</b>	<b>Quiz 5.1-5.6</b>	<b>HW Due: 5.5, 5.6</b>

**Final Exam: Friday, December 9 at 8:00 am**

**\*Due in TA's box on Wednesday of Week 9 by 5 p.m.**

## GRADING:

Grades will be determined as follows:

Exam 1	20%
Exam 2	20%
Exam 3	25%
Worksheets/Quizzes	14%
Homework	14%
Project	5%
Readiness Quiz	2%

I do not grade on a curve. All assignments within a given category are weighted evenly regardless of points.

## Disabilities

If you have a disability letter and will need accommodation, please contact me the first week of class. If you do not have a disability letter yet but need to acquire one, please contact the Accessible Education Center ([ds@uoregon.edu](mailto:ds@uoregon.edu)) and talk to me the first week of class.