

Math 111 Winter 2004 Syllabus

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| Instructor: | Chris Phan |
| CRN: | 22788 |
| Location: | 117 Fenton |
| Time: | MUWH 3:00–3:50 P.M. |
| Office: | 4 Deady |
| Office hours: | To be announced or by appointment |
| Phone: | ext. 0985 |
| Web: | http://darkwing.uoregon.edu/~cphan/math111/ |
| Email: | cphan@darkwing.uoregon.edu |
| Text: | <i>Contemporary Precalculus: A Graphing Approach, Fourth Ed.</i> , by Thomas W. Hungerford |
| Prerequisites: | Math 095 or satisfactory placement score, and a <i>graphing</i> calculator. We recommend the TI-83 Plus or TI-83. |
| Coordinator: | Wendy Sullivan (ext. 0991) |

1 Basic principles

It is extremely important that you know that Math 111 is a *precalculus* course; it is meant to prepare you for Math 241, Math 112 and Math 251, or some other course for which Math 111 is a prerequisite. Of course, anyone who is interested and willing to apply the serious effort required is welcome. However, if you merely wish proficiency in math for the Bachelor of Science, you should take Math 105–107.

In any case, you should **seriously** consider whether you are prepared for this class. Have you meet the prerequisite and how well do you understand the background material? In order to help you determine your readiness for this class, we will have a readiness quiz on Wednesday of the first week of class. The first day of class, I will give you a review sheet with which to study for the readiness quiz. The material on the review sheet should be review, and you should have no trouble with it. If this is not the case, you should seriously consider whether you are prepared for this class.

The person primarily responsible for your understanding of the material is **you**. I am a facilitator, a resource, and a cheerleader in your quest to learn and understand the material.

As Hungerford notes on page xvii of the text, “Mathematics is not a spectator sport.” Much like merely watching football on television will not make you a star quarterback—or even able to catch the ball—merely watching me do mathematics on the chalkboard will not make you able to do those same problems on the final exam. This is why you should do your homework on a regular basis, pay attention and take notes during class, and read the textbook on your own. **You are responsible** for the material brought up in class, in the assigned reading in the textbook, and in the homework.

2 Schedule

| Week | Dates | Sections / Notes |
|------|---------------------|--|
| 1 | 5–9 Jan. | 1.1, 1.2, 1.2A, 1.2B, 1.3, <i>Readiness Quiz Wed!</i> |
| 2 | 12–16 Jan. | 1.4, 2.3, 3.1, 3.2 |
| 3 | 20–23 Jan. | 3.3, 3.3A, 3.4 <i>No class on Martin Luther King, Jr. Day</i> |
| 4 | 26–30 Jan. | 3.4A, 3.5, 3.7 |
| 5 | 2–6 Feb. | <i>Review for Midterm, Midterm I</i> ; 4.1, 4.2 |
| 6 | 9–13 Feb. | 4.4, 4.5 |
| 7 | 16–20 Feb. | 4.6A, 5.1, 5.2 |
| 8 | 23–27 Feb. | 5.2A, 5.3, 5.4 |
| 9 | 1–5 Mar. | <i>Review for Midterm, Midterm II</i> ; 5.4A, 5.5 |
| 10 | 8–12 Mar. | 5.5, <i>Catch-up, review</i> |
| 11 | Wednesday, 17 March | FINAL EXAM , 3:15 PM |

2.1 Other important dates

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|-------------------------------|--|
| Monday of 2nd week (6 Oct.) | Last day to drop without a “W” and without paying \$10 |
| Wednesday of 2nd week (8 Oct) | Last day to add a class |
| Friday of 7th week (14 Nov.) | Last day to drop at all. |

3 Grading

3.1 Quizzes

We will have a quiz every Thursday throughout the term, except for the first week (in which the quiz will be on Wednesday), the week of the first midterm, and the week of the second midterm. The first quiz will be given the last 15 minutes of the Wednesday of the first week of class. This short quiz will be review and is designed to gauge if you are prepared for Math 111. The other quizzes will also be given in the last 15 minutes of class. There are no quiz make-ups, except in cases of emergency or when absence is prearranged.

Your entire homework score will be considered as one of your quiz scores. Your lowest quiz score won't be considered in your final grade.

3.2 Midterms

- **Midterm I, Tuesday, 3 February**
- **Midterm II, Tuesday, 2 March**
- **Final Exam: Wednesday, 17 March, 3:15 P.M.**

Please plan to show up for these exam dates! Make-ups will not be allowed except in cases where the absence is due to unavoidable and pressing circumstances (such as illness or emergency) or is prearranged. Please contact me as soon as you know you cannot make an exam.

3.3 Course grade

Your course grade will be based on:

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| Homework | 5% |
| Quizzes (lowest score dropped) | 15% |
| Midterms | 40% |
| Final (Monday, 8 December, 6 PM) | 40% |

3.4 Letter grades

The scale used to assign course grades will be:

- A 90% and above
- B 80%–90%
- C 70%–80%
- D 60%–70%
- F below 60%

Department policy states that your final grade cannot be more than one letter grade higher than your final exam grade.

4 Additional Guidelines

4.1 Homework

Homework is for your benefit. It gives you a chance to practice using the skills you learn in the class. It also gives you an opportunity to make sure you understand things before the test. Just as musicians spend hours practicing to master their instruments, you will spend time mastering mathematics.

This term, I have **tentatively** decided to give you full credit on homework assignments for merely turning them in. The grader will still mark homework. My continuing this policy is dependent on you continuing to apply effort in your homework. Please complete your homework carefully and check your answers as if you were graded on the completeness and correctness of your homework.

1. Each homework assignment is worth 10 points.
2. When turning it in, please fold your homework in half and write your name on the outside. (This makes it easier for me to hand it back without violating your privacy.)
3. Homework is due on Monday and Wednesday, at the beginning of class. No late homework will be accepted.
4. I will answer homework questions for 10 minutes on Tuesday and Thursday. I wish I could spend more time answering homework questions, but unfortunately, we have quite a bit of material to cover in this course. Please come to office hours to ask homework questions if you require additional help. *I will not answer* homework questions in class the day homework is due!
5. **Working together** on homework is *encouraged*. However, working together *does not mean* having one person copy another person's completed homework. Each person is expected to be involved in completing the assignment. Furthermore, each person should turn in their own assignment, in their own handwriting.
6. **Show all steps** to demonstrate to the grader that you know how to do the problem. Showing all steps also helps the grader communicate to you what errors you have made if a problem is done incorrectly.
7. **Write neatly in pencil**. Of course, a grader that can't read your work can't score it. Write legibly. Don't write sideways. Don't scrunch up your work because you've reached the end of the page. Use a pencil so that you can correct your mistakes neatly.
8. **Check your answers**. If the answer is in the back of the book, check your answer against it. In any case, you can often check your answer by substituting into the original equation, or some other means.
9. **Don't wait until the last minute**. Doing your homework at the last minute will leave you rushed, making your work less legible and more likely to contain errors. Furthermore, doing everything at the last minute will cause you stress and make college less enjoyable. I know from experience that procrastination is very hard to avoid (Remember, I'm a student too!), but we all do our best work when we don't procrastinate.

4.2 Attendance

Please come to class. You can't learn math if you don't come to class and participate in lectures. If you **need** to miss class, please let me know ahead of time.

4.3 Accommodations

If you have a documented disability and anticipate needing accommodations in this course, please make arrangements to meet with me soon. Please request that the counselor for students with disabilities send a letter verifying your disability.

Disability Services (<http://ds.uoregon.edu/>) is located at 164 Oregon Hall.

4.4 Ways to get math help

- Bring the question up in class! You may be the only one who asks, but there are probably others with the same question who are too timid to bring it up.
- Come by my office during office hours.
- Come to the Math 111 help sessions, to be announced.
- Academic Learning Services provides a drop-in Math Lab, open 9 A.M.–4 P.M., Monday through Friday, located in 72 PLC. Math tutors are there to help you.
- Academic Learning Services can also set you up with additional tutoring. ALS is located in 68 PLC, or on-line at <http://als.uoregon.edu>.
- Also, group study sessions can be helpful.

4.5 Academic integrity

Please note that the Policy on Academic Dishonesty is in effect for this class. You can find the policy on-line at <http://studentlife.uoregon.edu/judicial/conduct/sai.htm>.

4.6 Fun

Most of all, please remember that **mathematics should be fun!** Hopefully, this class will be a starting point for further exploration of the beauty of mathematics.