

Instructor: Gregg Waterman, 192 Boivin Hall, 885-1324, gregg.waterman@oit.edu

Web Page: <http://math.oit.edu/~watermang/> There is a link there to a page for our class.

Office Hours: 10-11:30 MTWF. You are also welcome to drop in any time to see if I am around - if I am I can usually take some time to help you. **I can also make appointments for other times.**

Text and Calculator: The textbook is a book I wrote that you can buy at the bookstore or **you can download it or access it online at the class web page.** (See the web address above.) **You will need a non-graphing scientific calculator**, which should cost you \$11-14. Any variety of the TI-30 is fine, as are many others. If you don't already have a non-graphing calculator, I would suggest the TI-30X IIS.

Course Description and Objectives: The general objectives of the course are

1. Solve a variety of equations and inequalities.
2. Simplify and perform operations on algebraic expressions.
3. Graph linear, quadratic, and other simple functions.
4. Demonstrate understanding of basic function concepts.
5. Solve systems of linear equations in two unknowns.
6. Use the above skills in applied situations.

More specific criteria are given in the textbook.

Grading: Your grade will be based on points earned by demonstrating ability to correctly execute *performance criteria*, which means "things you are supposed to be able to do."

Performance Criteria: As we progress through the term I will evaluate whether you have mastered each of the specific course performance criteria, which are listed in the textbook. By the end of the term your mastery of each criterion will have been classified as unsatisfactory (U), marginally satisfactory (M) or satisfactory (S). For most criteria you will only have to perform at the M or S level once, but for some you will be required to perform at the S level twice. You will be made aware of which ones those are as the term progresses.

You will demonstrate your mastery of criteria by answering questions on exams, as described below. Any criterion for which you are unsuccessful or minimally successful you may attempt again on each following exam, until you are successful. You will usually be allowed to use only the quadratic formula (which will be given to you) and a calculator, but for some criteria you will not be allowed a calculator. The following opportunities for demonstrating mastery will be given/allowed:

- Occasional quizzes.
- Five regular exams given during class time; see the schedule at the end of this syllabus.
- The final exam, which is just like all the other exams.

All exams must be taken at the times listed - there will be no make-up exams. The design of the grading system is such that you should be able to miss an exam and still catch up on the next exam, if you have been keeping up with the material.

Course Grade: On each exam I will record each S you obtain as 2 points, each M as 1 point, and each U as 0 points. Your grade will then be determined as follows:

- To obtain a D or better you must have at least 65 points by the end of the term.
- To obtain a C or better you must have at least 104 points by the end of the term, with an S on at least one attempt of each of the nine criteria that are to be demonstrated twice.
- To obtain a B you must have at least 114 points *AND* you must get an S on at least one attempt of each of the nine criteria that are to be demonstrated twice *AND* get six of the nine criteria that are to be demonstrated twice correct on one exam.
- To obtain an A you must have at least 120 points *AND* get all of the criteria that are to be demonstrated twice correct on one exam.

If at any time during the term you have reached the grade you desire, you may be done with the class if you wish. Typically a few students finish after Exam 4 or Exam 5, and then do not have to take the final (Exam 6).

Other Things of Importance:

- *Incomplete Grades:* An incomplete grade can only be assigned to you under the following circumstances:
 1. You are passing the course, or you are very close to passing *AND* have shown good effort (regular attendance, assignments turned in).
 2. You have a **SERIOUS** problem that begins after the withdraw date and prevents you from being able to complete the term.

An incomplete grade will definitely not be assigned in the event that you are not performing well in the course and fear that you may not obtain a passing grade!
- *Disabilities:* Students with a documented disability who require assistance or academic accommodations should contact the office of Disability Services immediately to discuss eligibility. Disability Services staff are located on both the Klamath Falls and Wilsonville campuses, however arrangements can be made to meet with a student on any campus. Meetings are by appointment only, so please contact the Disability Services office at the campus closest to you: Klamath Falls (541) 885-1790 and Portland-Metro (503) 821-1305. Specific information and Disability Services forms can be found at the department's website: <http://www.oit.edu/academics/ssc/disability-services>

Calendar: Below are some important dates for the term.

January 15th - Martin Luther King Day Holiday - no class

January 23rd - Exam One

February 6th - Exam Two

February 20th - Exam Three

February 23rd - Last day to withdraw with a "W"

March 6th - Exam Four

March 13th - Exam Five

Tuesday, March 20th, 8:00 - 10:00 AM - Final Exam/Exam Six