Instructor: Nathan Warnberg
Office: 479 Carver
Email: warnberg@iastate.edu
Office Hours: MTWR 10:00-11:00
Class Meetings: MWF 11:00-12:00 in Carver 160

Course Topics (not in order of presentation)

- Chapter 2 Graphs 2.5
- Chapter 3 Functions and their Graphs 3.1 - 3.5
- Chapter 4 Linear and Quadratic Functions 4.3 - 4.5
- Chapter 5 Polynomial and Rational Functions 5.1 - 5.6
- Chapter 6 Exponential and Logarithmic Functions 6.1 - 6.8
- Chapter 13 Sequences, Induction, the Binomial Theorem 13.1 - 13.3, 13.5

Attendance

Attendance will be taken on a regular basis. You are responsible for any material (including syllabus changes, announcements regarding quiz dates, homework assignments, etc.) that is presented or discussed during class. If you must miss class, arrive late, or leave early, YOU are responsible for finding out what you missed - that includes any changes in homework/quiz/test dates.

Blackboard Learn

Blackboard Learn is going to be an essential resource during the course. Make sure that you can access Blackboard Learn and navigate around our home page. Your username and password should be the same username and password that you use to access CyMail. On our webpage, you will find a calendar for the class with information on what will be discussed each day, important dates, and homework assignments and due dates. Note: you may also find class materials at my website: http://www.public.iastate.edu/~warnberg

Homework

Homework will be posted on Blackboard Learn (make sure that you can access Blackboard Learn as it will be a necessary resource for the class) and will be announced in class. Note that there will be two kinds of homework:

1. "Suggested" homework are problems that are good practice for quizzes and exams.
2. "Turn in" homework will be collected and graded. Grading is based on how many of the problems were attempted and random problems will be selected and graded for accuracy.
Here is one way of approaching the homework:

1. Read the section before attempting the homework to familiarize yourself with definitions, theorems, symbols, etc.

2. Work out the practice problems from the section.

3. Attempt the assigned problems. If you get a solution check with the back of the book or if the answer is not provided double check your work. If you cannot obtain a solution:
   
   (a) Make sure you understand the definitions and symbols in the problem.
   
   (b) Try a problem that looks similar/easier (e.g. If you can’t solve problem 9 try problem 7 or 8).
   
   (c) See if any of the examples in the corresponding section are similar.
   
   (d) Look at the solution and try to work backwards.
   
   (e) Give it a break and come back to it later, maybe a future problem will help you solve this problem.
   
   (f) If all else fails ask a friend/math tutor/your instructor for help.

4. Remember: knowing why a method works is as important as knowing how/when to use it.

**Quizzes**

Quizzes will be given every Friday at the end of class (unless we have an exam that week). Quiz questions will focus on material from the homework and lectures since the last quiz. The use of calculators is NOT allowed for quizzes. Some quiz questions will come directly from the homework. The objective of the quizzes is to help you prepare for the midterm and final exams. A good way to prepare for the quizzes would be:

1. If you do not understand a concept make sure to ask a question during class or during office hours.

2. Do the problems from the homework and understand the strategies used in solving those problems. Simply memorizing a sequence of steps may not be sufficient.

3. Know major theorems and definitions from the sections covered.

**Exams**

There will be four exams for this course. If you are going to miss the exam it is your responsibility to arrange a make up time at least the class period before the exam. The first exam will be on Wednesday, September 21st; the second on Wednesday, October 19th; the third on Friday, November 18th; and the final exam will be announced in class. A checklist of things to do before any exam:

1. Read through notes and sections covered in the book.

2. Go over old HW and quizzes.

3. Work through the review sections of each chapter covered on the exams.
If you do all of this you will meet or exceed your expectations for the exam.

**Grading**

Here is the grading scale:
- **A**: 100-93,
- **A-**: 90-92,
- **B+**: 87-89,
- **B**: 83-86,
- **B-**: 80-82,
- **C+**: 77-79,
- **C**: 73-76,
- **C-**: 70-72,
- **D+**: 67-69,
- **D**: 63-66,
- **D-**: 60-62,
- **F**: 0-59

I do not plan on changing the scale, however, if I do change the scale it will always benefit you. The breakdown of your grade is as follows: Quizzes ~ 12%, HW ~ 12%, Reviews ~12% Exams ~ 12% each, Final ~ 25%.

**Respect**

Please be respectful of others. Turn off your cell phones and MP3 players, or anything that makes noise during class. Also, please understand that if you talk in class your classmates and instructor may hear you and could be distracted. If you show up late or need to leave early, understand class is in session and be quiet entering or exiting the room. I will make a point to be respectful to you by showing up on time, answering your questions, listening to your concerns, grading your assignments quickly, etc.

**Honesty**

Cheating will not be tolerated. If you have to ask yourself if what you are doing is considered cheating then it probably is. Note that you will never be allowed to use a formula sheet or the book during a quiz/test. Also, you will be turned in to the Dean of Students Office for academic misconduct if you are caught cheating on any quiz/test. Check out the Resources for Students on the Academic Misconduct portion of the Judicial Affairs web page.

**Disabilities**

Please address any special needs or special accommodations with me at the beginning of the semester or as soon as you become aware of your needs. Those seeking accommodations based on disabilities should obtain a Student Academic Accommodation Request (SAAR) form from the Disability Resources (DR) office (515-294-6624). DR is located on the main floor of the Student Services Building, Room 1076. No retroactive accommodations will be provided in this class.

* Items in syllabus subject to change under the discretion of the instructor.