

Math 125 Intermediate Algebra (class# 24956)

Fall 2017 Syllabus

Instructor: Mark Flatley

Class Meets: Tuesday and Thursday 6:50 – 9:20pm, FH310

Office Hours: FH 114 Tuesdays 5:30 – 6:45pm

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Description (expected student learning outcomes)

Students learn techniques for solving compound linear inequalities as well as absolute value equations and inequalities, solving systems of linear equations in two and three variables, simplifying non-linear expressions and solving non-linear equations such as polynomial, rational, radical, exponential, and logarithmic. Students learn techniques for rewriting the equation in the standard form for parabola and circle, and graph. Students learn how to compute terms and sums of arithmetic and geometric series. Students will apply the binomial theorem to expand the binomial with given power. Applications are included in a wide variety of word problems.

Textbook & Course Materials

Required Text

- Intermediate Algebra, Sullivan/Struve, 4e or 4th Edition, Pearson
- Use of MyMathLab is optional for this course. In order to register and enroll online, go to www.mymathlab.com. Students need to have ready an email address, a course ID, and an access code. The course ID is flatley65745.

Course Structure

This course meets 2 times a week for 2.5 hours each day. Class consists primarily of lecture with guided practice focused on algebra and problem solving skills as described above. In addition to practice done in class, please plan on investing sufficient time in homework practice to ensure your success. This will probably be the single most important key to your success.

Attendance

Students are expected to attend all class sessions as listed on the course calendar.

- Missing even one class can be very difficult to make up for in a

math class of this kind. Students who are registered and miss the first time the class meets may lose their rights to a place in the class. Whenever students are absent more than the number of hours the class meets per week, the instructor may exclude them from the class. Students are responsible for officially dropping the class if they stop attending.

Participation

Participating in class by always bringing your curiosity to class and attempting problems we do in class, sometimes collaborating with other students and or asking questions will positively impact on your results in this class.

Grades Components and Scale

Grade Components

Percentage of grade	Description
65%	5 tests
20%	Final
15%	Homework

note: The lowest of the 5 test scores will be dropped and replaced with average of the other 4 scores.

Grading Scale

Letter Grade	Percentage	Performance
A	89 - 100%	Excellent work
B	79 - 88.5%	Good to very good work
C	68-78.5%	Average work
D	57-67.5%	Poor Work
F	0-56.5%	Failing Work

Week	Tuesday	Thursday
1	8/29 Intro and review problems from ch 1, problems, sec 2.1	8/31 sections 2.2, 2.3, 2.4
2	9/05 sections 2.5, 2.6	9/07 sections 3.1, 3.2
3	9/12 sec 3.3, 3.6, and review for test 1	9/14 section 4.1, 4.2 test 1
4	9/19 sections 4.3, 4.4	9/21 sections 4.5, 4.6
5	9/26 sections 4.7, 4.8 and review for test 2	9/28 section 5.1 and test 2
6	10/03 sections 5.2, 5.3	10/05 sections 5.4, 5.5
7	10/10 sections 5.6, 5.7 and review for test 3	10/12 section 6.1 and test 3
8	10/17 sections 6.2, 6.3	10/19 sections 6.4, 6.5
9	10/24 sections 6.6, 6.7	10/26 sections 6.8, 7.1
10	10/31 sections 7.2, 7.3 review	11/02 Sections 7.4 – 7.6 test 4
11	11/07 sections 8.1 – 8.2	11/09 sections 8.3, 8.4
12	11/14 sections 8.5, 9.1 review	11/16 section 9.2 test 5
13	11/21 section 10.1, 10.2	11/23 THANKSGIVING HOLIDAY
14	11/28 section 10.3	11/30 10.4
15	12/05 review	12/07 review for final
16		12/14 Final Exam