

Math 110
Introduction to Mathematics
Fall 2014 Syllabus

Instructor: Tim Harms

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Office hrs: T & R 8:30-10:00, 3:00-4:30,

M 12:30-4:30, & by appointment

Class meets Tues. & Thur. 12:00-1:15 in Br. 262

Required Text & Supplement:

Text: A Survey of Mathematics with Applications and MyMathLab online access code, by Angle, Abbott, Runde 9th edition

Required Supplies:

Three ring binder & pencil, NO Calculator

Prerequisites

Students are required to have an ACT math score of 19 or higher or a score of 75.5 or higher on the Accuplacer Elementary Algebra math placement test. Students who have not met either of these criteria should take and pass the appropriate math development class MDEV 090 or MDEV 095 with a C- or higher prior to taking Math 110.

Course Description:

Algebra, sets, probability, and statistics. Computational proficiency will be assessed and mastery required. Must have successfully completed Elementary Algebra or Intermediate Algebra or an acceptable placement score.

MnTC Goals:

1. Illustrate historical and contemporary applications of mathematics/logical systems
2. Clearly express mathematical/logical ideas in writing.
3. Apply higher-order problem-solving and/or modeling strategies.

Student Expectations:

- Students will act in an honest and trustworthy manner. Cheating is defined as part of the Student Code of Conduct in the Student Handbook at: <http://web.mnstate.edu/sthandbook/scc/definitions.cfm>
- Show respectful classroom behavior by not coming to class late, or leaving early, by keeping phone ringers silent and not used during class.
- For every hour of in-class meeting students are expected to work 2 hours on their math homework/studying outside of class.

Students will accomplish the following learning outcomes:

1. Demonstrate mastery of computational skills.
2. Solve application problems involving linear, quadratic, and exponential equations.
3. Solve allocation problems dealing with variation.
4. Graphing equations and functions including linear, quadratic, and exponential equations.
5. Solve real-life problems by using the principles of set theory.
6. Make decisions regarding the possible events that are governed at least in part by chance.
7. Apply the basic concepts of statistics, such as collecting data; drawing graphs; finding measures of average, variation, and position; and solving problems using the standard normal distribution.
8. Demonstrate understanding of select concepts in algebra, set theory, probability, and statistics by solving a real-life problem and communicating their work to the class orally and/or in writing.

Attendance Policy:

- No credit given for late online homework.
- Textbook problems and late lab work will lose 50% of its value for each weekday beyond its due date.
- No make-up on missed quizzes or tests if prior arrangements have not been made with your instructor.

Evaluation:

Computational Mastery Exam: **Sept. 2nd**

Exam 1: **Sept. 23rd** Over Sections 6.1-6.8

Exam 2: **Oct. 23th** Over Sections 2.1-2.6

Exam 3: **Nov. 13th** Over Sections 12.1, 12.2, 12.3, 12.5, 12.6, 12.8

Final exam: **Dec. 12th** at 2:00, this is a comprehensive exam over Chapters 2, 6, 12, 13 that we have studied

Online homework will be due prior to the start of the next class. Select textbook problems & labs will also be turned in for grading. The labs and assignments will usually be 10 points each. Online assignments will not be accepted late, with the lowest two online scores and the lowest quiz to be dropped at the end of the semester.

No calculators will be allowed for labs or exams. ***Passing a computational mastery exam is a course requirement.*** This test will be given in class on Sept. 2nd, and if necessary, retakes for all or portions of the computational mastery exam will be given from 4:00-5:00 p.m. on Sept. 18th, Oct. 1st, Oct. 21st, and Nov. 3rd.

Grading Scale:

– 98 A+; 97 – 93 A; 92 – 90 A-
89 – 88 B+; 87 – 83 B; 82 – 80 B-
79 – 78 C+; 77 – 73 C; 72 – 70 C-
69 – 68 D+; 67 – 63 D; 62 – 60 D-
59% – F

Three unit exams each worth 12% of final course grade
Book assignments & labs worth 14% of final course grade
quizzes worth 15% of final course grade
Online assignments in MyMathLab worth 10% of course grade
Final exam worth 25% of the course grade
No extra credit will be available

Assistance Available:

- See Professor Harms during office hours
- The Math Department offers tutoring in MacLean 278 during the following times:
Monday 9:00a.m. – 6:00p.m.
Tuesday 9:00a.m. – 6:00p.m.
Wednesday 10:00a.m. – 6:00p.m.
Thursday 9:00a.m. – 6:00p.m.
Friday 9:00a.m. – 3:00p.m.
- Tutoring in MacLean 383 is also available most weekdays from 8:00-4:00

Special Accommodations:

Students with disabilities who believe they may need an accommodation in this class are encouraged to contact Greg Toutges, Director of Disability Services at 477-4318 (Voice) or 1-800-627-3529 (MRS/TTY), Flora Frick 154 as soon as possible to ensure that accommodations are implemented in a timely fashion. Information regarding Disability Services is available at www.mnstate.edu/disability/

