

Metropolitan State University
College of Arts and Sciences
MATH 098-02 Introduction to Mathematical Thinking

Term: Summer 2014
Meeting: Tuesday 1—4:30 pm at Midway 105
Instructor: Dr. Pangyen Ben Weng, Assistant Professor of Mathematics
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Phone: 651-793-1496

Course Description: This is a developmental mathematics course that prepares students for college-level math classes at Metropolitan State University. Topics of this course include: real numbers and operations, exponents, linear equations and inequalities, quadratic equations, linear and quadratic functions, and their applications.

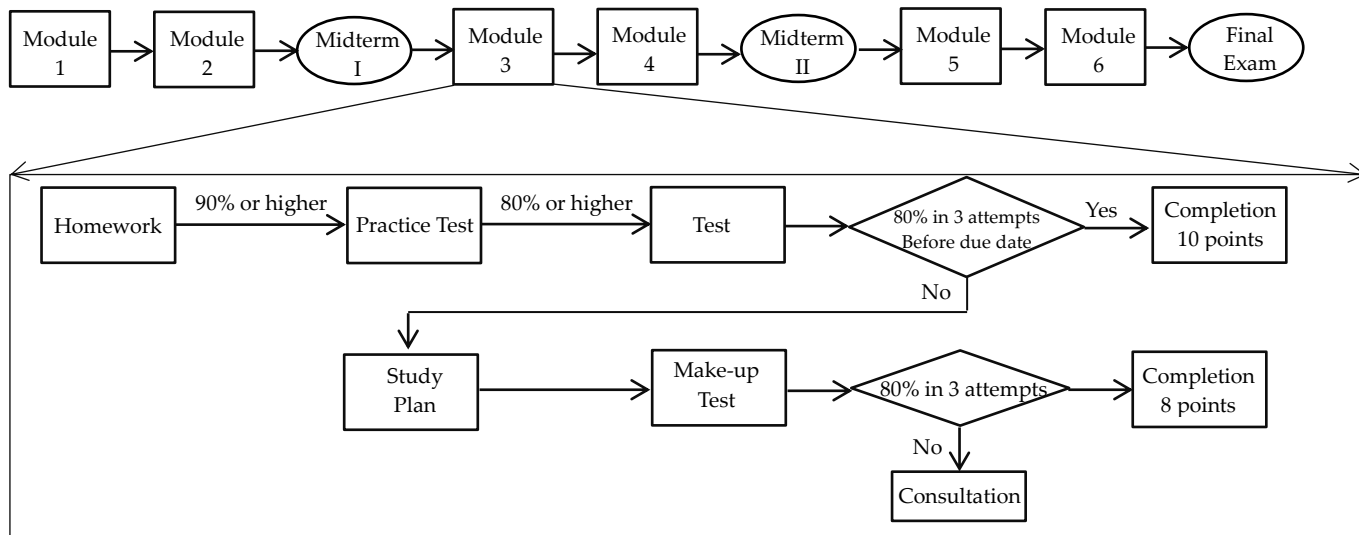
Calculators: Calculators are optional for classroom use, and are NOT allowed in exams.

Textbook: *Elementary and Intermediate Algebra, Custom Edition for Metropolitan State University*, by Bittinger, Ellenbogen, and Johnson.

Video Lessons: You need to sign up for an account at Educreations.com. Go to <http://www.educreations.com/sr/14484F6> and use course code: 14484F6.

MyMathLab: You need to have access to MyMathLab online learning system. Go to <http://www.MyMathLab.com>. The course ID is: weng30875.

Learning Modules: There are six learning modules, each one consisting of a homework assignment, a practice test and a test. You need to complete 90% of the homework to enter the practice test, 80% of the practice test to enter the test, and 80% of the test to complete the module. Each student has 3 chances to take a module test for full credits (8 points). If a student fails all three attempts, or if his/her test is past due, the student would need to complete a study plan to qualify for a make-up test (6 points). Students must pass a module before moving on to the next one. Students are expected to complete each module by the designated due date. Students may continue working on an overdue module test until it is **three weeks** past the due date.



Use of Class Time: The class will be divided into two parts: recitation (1–3pm), and lab meeting (3–4:35pm). Students are required to attend both parts of this class unless they have completed the module scheduled for the class meeting.

Recitations: The instructor answers questions and conducts group work/discussions. Students are expected to watch the video lectures and start homework assignments before class.

Lab Meetings: Lab meetings are designated for testing, tutoring, or self-study. Students who are not taking a test should also be present, and are expected to view the videos lessons, or do their online homework or quizzes. The instructor will provide 1-on-1 help to students.

Attendance: Attendance is required of all students, and is usually taken at the start of class. Four or more unexcused absences would result in a grade of F. Absences are excused for those who have completed the scheduled module.

Midterms: Midterms are 20 problems for 30 minutes. The passing grade for midterms is 70%. Students must make up a failed midterm before moving on to the next module. The highest score for a make-up midterm is 70%.

Final Exam: Students must complete **at five modules** to be eligible for the final exam. The final exam is a 90-minute paper-based comprehensive exam. Students who score below 50% in the final exam automatically fail the course.

Course Requirements and Grading Policy: Students receive 8% for completing a module on time, and 6% for completing it past-due. Each midterm is worth 10% and the final exam is worth 32%. Students who score below 50% in the final exam automatically fail the course. Students who score 50% or higher in the final exam receive letter grades based on the following scale.

Score	93–100	90–92	86–89	83–85	80–82	76–79	73–75	70–72	60–69	0–59
Grade	A	A-	B+	B	B-	C+	C	C-	D	F

Testing Center: Phone: 651-793-1460; email: testing.center@metrostate.edu

Policy on Academic Integrity: The Metropolitan State University Student Handbook states “*In simple terms, plagiarism is using another person’s words or ideas and presenting them as your own, without acknowledging the original source. This is a serious academic offense. Academic sanctions can include receiving a failing grade for an assignment or an entire course.*”

Assignments and exams are to be completed independently unless specified otherwise. Copying and/or utilizing another person’s work in order to complete your assignments or exams constitutes plagiarism. In situations where I suspect academic dishonesty, I reserve the right to either reassess your understanding of the material or assign a grade of 0 points. Repeated offenses will result in a grade of F for the entire course. For additional information on the university’s policies regarding plagiarism, please refer to the student handbook found at <http://www.metrostate.edu/msweb/pathway/gateway/handbook/handbook.html>.

Classroom Diversity: The instructor strives to provide a welcoming learning environment to students of diverse backgrounds with diverse learning needs. Students who have questions or concerns about the course policy or how the course is conducted are encouraged to discuss them with the instructor.

Students with Disabilities: Special accommodations can often be made for those with learning disabilities. Students who have or may have documented learning disabilities are recommended to contact the instructor as well as the Disability Services Office at (651) 793-1540 or (651) 772-7687.

Email Communication: In accordance with University's policy, this class will use your university email address (name@metrostate.edu) to communicate with you about all course-related matters.

Tentative Schedule:

Week	Dates	Coverage	Assignments and Due Dates
1	5/13	Module 1: 1.1–1.5	
2	5/20	Module 1: 1.1–1.5	
3	5/27	Module 2: 1.6–1.8, 2.1–2.3	Test 1 is due
4	6/3	Module 2: 1.6–1.8, 2.1–2.3	
5	6/10	Module 3: 2.4–2.7	Test 2 is due
6	6/17	Module 3: 2.4–2.7	
7	6/24	Module 4: 3.1–3.5	Test 3 is due
8	7/1	Module 4: 3.1–3.5	Last day to take Midterm I
9	7/8	Module 5: 3.6–3.8, 10.8	Test 4 is due
10	7/15	Module 5: 3.6–3.8, 10.8	
11	7/22	Module 6: 11.1, 11.2, 11.6, and 11.7	Test 5 is due
12	7/29	Module 6: 11.1, 11.2, 11.6, and 11.7	Last day to take Midterm II
13	8/5	Module 6 and review	
14	8/12		Last day to take Final Exam