# Spring 2009 Syllabus <br> Math 095, Essentials of Algebra 

Section 12 M/W 3:30-4:45 EMS W101
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Office: EMS E499

Office Phone: (414) 229-5326
Office Hours: Monday, 5:00-6:00 Tuesday, 12:30-2:30 and by appointment
Textbook: Beginning Algebra, $7^{\text {th }}$ edition, Baratto/Bergman, McGraw Hill
MathZone Website: http://www.mathzone.com
Section Enrollment Code: 966-BE-6E3

Prerequisites: Math Placement Level D; or a grade of C or better in Math 090.
Attendance: Attendance is a required component of this course. You are expected to attend all classes. You will be allowed to miss up four classes. You will not receive a grade higher than C-if you have more than four classes. Repeated tardiness may be counted as absences; please attend all classes on time.

Grading: A grade of C or better is required to pass this course and satisfy prerequisite requirements.
Your grade will be computed as follows:

| In-Class Exams: | 240 points | $(80$ points each $)$ |
| :--- | ---: | ---: |
| Quizzes and Basic Skills Tests: | 60 points | $(12$ points each $)$ |
| Homework: | 100 points |  |
| Final Exam: | 200 points |  |
| Total | 600 points |  |

Grading Scale:

| A | A- | B+ | B | B- | C+ | C | D+ | D | D- |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $100-93$ | $92-90$ | $89-87$ | $86-83$ | $82-80$ | $79-77$ | $76-70$ | $69-67$ | $66-63$ | $62-60$ |
| $59-0$ |  |  |  |  |  |  |  |  |  |

In-Class Exams: There will be three in class examinations. Attendance is mandatory; absences due to illness require a medical excuse on physician's letterhead, signed by the physician, which must be submitted before any alternate arrangements for the exam will be considered.

Basic Skills Tests: There will be three Basic Skills Tests given throughout the semester. You must get at least $80 \%$ on each of these tests to receive a grade of C or higher for your final semester grade. You will be able to retake any tests on which you earn less than $80 \%$. The grade received on your first (in class) attempt will be used in the calculation of your final grade.

Quizzes: There will be two in class quizzes. Your lowest quiz (or Basic Skills Test grade) will be dropped.

Homework: Homework is an important and required part of the course. You should expect to spend a minimum of 5 hours per week working on problems outside of class. There will be 10 homework quizzes based on problems from your textbook. These quizzes will make up $50 \%$ of your homework grade. The other $50 \%$ will be based on your average MathZone scores.

Final Exam: There will be a cumulative final examination Tuesday, May 12, 7:30-9:30 AM.

Calculators: Calculators are not permitted on quizzes, exams, or Basic Skills Tests. You should be able to complete the homework without the use of a calculator.

MathZone: MathZone is directly linked to the textbook so you will find many resources for help, such as video lectures, practice problems, and online tutoring. In addition, many homework assignments will be completed on MathZone. To access the site, you will need the section code listed on this syllabus, as well as a registration code from your textbook. If you do not have a registration code, you will be required to purchase on from the site. It is your responsibility to resolve any issues with MathZone by the end of the first week of class. If you are having trouble, please contact me or call the MathZone help line at (800) 331-5094.

D2L and Email: Class announcements and other materials will be posted regularly on D2L. You will also be able to see your current grades at any time. Please check your UWM email account on a regular basis as well; some important class information may be emailed to you.

Course Website: There is a general website for Math 095 with information about the class, Basic Skills Tests, practice tests, and other useful information:
http://www.uwm.edu/Dept/Math/Teaching/095_main/
Tutoring: Several resources are available if you need some extra help with the material. No appointment is required for these free services:
-The Math-Science Center in Bolton 180
-The Department of Mathematical Sciences tutoring in Golda Meir Library WB42 In addition, please feel free to come to my office hours or make an appointment. You may also contact me via email for any immediate concerns.

Statement of Academic Misconduct: The university has a responsibility to promote academic honesty and integrity and to develop procedures to deal effectively with instances of academic dishonestly. Students are responsible for the honest completion and representation of their work, for the appropriate citation of sources, and for respect of others' academic endeavors. Further information can be found at: http://www.uwm.edu/Dept/Acad_Aff/policy/academicmisconduct.cfm

Important Dates:

February 20
March 15-22
March 27
May 7
May 8
May 12
May 13

Last day to drop full-term classes with partial refund or withdraw without notation of "W" on academic record
Spring Break (no classes)
Last day to drop or withdraw from full-term classes
Last day of classes
Study Day (Final exam review session from 9-11am)
Final exam for Math 095, 7:30-9:30am
Spring grades available via PAWS

Please let me know as soon as possible if you have a disability that requires special accommodations.

## Class Schedule and Textbook Homework Assignments

Date

Jan 26
Jan 28
Feb 02
Feb 04
Feb 09
Feb 11

Feb 16
Feb 18
Feb 23
Feb 25
Mar 02

Mar 04
Mar 09
Mar 11
Mar 16
Mar 23
Mar 25
Mar 30
Apr 01

Apr 06

Apr 08
Apr 13
Apr 15
Apr 20
Apr 22
Apr 27

Apr 29

May 04
May 06
May 12

Course Overview, Ch 0
Ch 1, HW Quiz 1
Ch 2.1-2.3
Ch 2.4, Basic Skills Test I
Ch 2.5-2.6
Ch 3.1-3.3, HW Quiz 2

Ch 3.4-3.5
Ch 4.1-4.2, HW Quiz 3
Exam I (Chapters 0-3)
Ch 4.3-4.4, HW Quiz 4
Ch 4.5-4.6

Ch 5.1, Basic Skills Test II
Ch 5.2-5.3
Ch 5.4-5.5, HW Quiz 5
Spring Break
Ch 5.6-5.7
Exam II Review, HW Quiz 6
Exam II (Chapters 4-5)
Ch 6.1-6.3

Ch 6.4, 7.1, 7.2

Ch 7.3-7.4, HW Quiz 7
Ch 8.1, Quiz I
Ch 8.2-8.3, HW Quiz 8

## Textbook Homework Problems

Ch 0 Summary: 12, 16, 25, 37, 41, 78
2.3: 9, 17, 25, 41, 45, 47, 51, 52, 59, 85, 87
2.4: 53, 55, 59, 67, 73
2.5: 3, 7, 11, 13, 80, $81 \quad$ 2.6: 45, 53, 61, 79
3.1: 73-78, 81, 89, 90, 93, 97, 101, 105
3.2: 41, 45, 49, 53, 63
3.3: 21, 25, 41, 61
3.4: 33, 41, 55, 56, 57, 58, 59, 79, 93, 95
3.5: 21, 25, 29, 51
4.1: 41, 49, 61, 69, 83
4.2: 35, 49, 53, 61
4.3: 69, 77, 85, 93, 105
4.4: 17, 29, 45, 53, 65, 71
4.5: $3,5,7,11,17,19,21,25$
4.6: $13,21,33,41,43,45,54,55$

Fraction Review, Page 78: 23-30, 34-40
5.1: 29, 33, 37, 41, 45, 49, 51, 54, 55
5.2: $17,21,35,41,45 \quad$ 5.3: $21,33,37,41,43$
5.4: $33,41,45,49,53,61,73$
5.5: 3, 9, 13, 15, 27
5.6: 41, 45, 49, 53, 77, 81
5.7: $1,5,9,13,29,31$
6.1: $21,29,35,36,37,38,47,59$
6.2: $25,29,30,31,32,33,44,45,46$
6.3: $1,5,9,13,17,21,23,24,29,33,43-46,49,53,55$
6.4: 25, 37, 47, 51, 63, 64
7.1: 17, 21, 39, 40, 41, 42, 49, 51
7.2: 9, 11, 13, 17
7.3: 17, 19, 21, 33, 35, 45, 47
7.4: $1,5,9,13,17,21,25,37$
8.1: $1,5,9,13,19,23,27,28,29,30,36$
8.2: $17,21,25,31,33,35,37$
8.3: $13,17,25,29,33,41,49$

Exam III Review, Basic Skills Test III
Exam III (Chapters 6-8)
Ch 9.1-9.3
9.1: $43,45,47,49,51,53,73,74$
9.2: 41, 45, 49, 53, 57
9.3: $13,25,29,33,37,41,43$
9.4: $25,41,57,61,63,64$
9.5: $13,21,29,31,32,33,34,37$
9.6: $1,3,5,12,13$

Review, Page 985-988: 1-48 except 33, 34

## More Information on Homework and MathZone

Homework is an integral part of the course. You must be prepared to spend adequate time working outside of the classroom. There will be homework assigned after each lecture, including problems from the textbook as well as on MathZone.

You should pay careful attention to how you write your solutions. A large part of this course will be learning how to properly communicate mathematics. You should be able to show all steps taken to reach a solution. Simply writing the answer is generally not sufficient; the ability to justify your work is an essential part of understanding mathematics.

Homework will not be collected in class. However, you should maintain an organized notebook for homework problems, as you will be required to use your homework on the quizzes. There will be 10 quizzes throughout the course based solely on homework problems. Only problem numbers will be listed on the quizzes, so be sure to copy the problem number when writing your solution.

Your homework grade will have two components: the homework quizzes and your average MathZone score. Keep in mind that you may repeat many of the MathZone assignments in order to improve your grade.

MathZone is a very resourceful tool that will help you succeed in the class. In addition to practice problems with immediate feedback, there are many helpful features that you should take advantage of. Please spend some time exploring the program. The first two assignments on MathZone will be instructional activities to help you learn how to use the program.

It is your responsibility to familiarize yourself with MathZone within the first week of class. If you have any technical problems, please ask for help before you fall behind.

