

Date: Fall 2010

Course Title: Intermediate Algebra

Course Number: MTH 100

I. Faculty Information:

- A. Instructor: D. Monbrod
- B. Office Location: 4148 U
- C. Mailbox Location: 4148
- D. Phone: 708-596-2000 ext. 2342
- E. Office Hours: TBA
- F. Email: dmonbrod@ssc.edu
- G. Info page:
<http://learn.southsuburbancollege.edu/dmonbrod/Monbrod%20SSC.html>

II. Course Identification

- A. Credit Hours: 4
- B. Total Contact Hours: 4 – Lecture; 0 – Lab
- C. Days/Hours/Place Course Meets: TR 5:00-6:40pm 4238
- D. Prerequisite: One year of high school algebra and qualifying score on the Placement Test or MTH 095 with a grade of “C” or above.
- E. Catalog Description: This course is a continuation of Elementary Algebra. Topics include rational expressions and equations, linear and quadratic functions, rational exponents and radical expressions, complex numbers, quadratic inequalities and equations, and appropriate applications. graphs and functions, exponential and logarithmic functions, and appropriate applications.

III. Textbooks/Supplies

- A. **Optional:** Martin-Gay, Beginning and Intermediate Algebra, 4th Edition, Prentice Hall, 2009.
- B. **Required:** MyMathLab access code. Can be purchased with text or separately.
- C. **Required:** A scientific calculator will be used/allowed for parts of this course. Graphing calculators are optional.
- D. **MML Course Id:** monbrod13922

IV. Course End Competencies

By the end of the course, the student will be expected to demonstrate knowledge of and ability to

- A. Perform algebraic operations on rational expressions.
- B. Evaluate and analyze functions.
- C. Compose and perform algebraic operations on functions.
- D. Perform algebraic operations on radical expressions.
- E. Perform algebraic operations on complex numbers.

- F. Solve linear, radical, rational, and quadratic equations.
- G. Solve and graph linear and polynomial systems of inequalities.
- H. Analyze and graph parabolas and circles.

V. Classroom Policies/ Procedures

- A. A student who does not officially withdraw from the course may receive a grade of “F” for the course grade.
- B. No food or drink is allowed in the classroom.
- C. **ATTENDANCE:** Attendance will be taken daily. Students with perfect attendance will receive ten bonus points (1%) added to total points for the course. Students with one absence will get 5 bonus points for the course total.
- D. Tardiness:
 - Keep in mind that quizzes may be given at the start of the class period, and no extra time will be given to tardy students.
 - If a quiz or test is in progress when a student comes in late, that student will not be given extra time to work on the quiz or test.
 - If a student arrives late during a test after another student has finished his test and left the room, the late student will not be allowed to take the test and will receive a zero on that test.
 - Because it is rude, inconsiderate, and disruptive to the educational process, except under dire emergencies, no one is allowed to leave the room during class or during a test or quiz unless that person has a doctor’s note describing the medical condition that necessitates his or her leaving. Students who leave the room without permission will be marked absent.
- E. Cheating: All graded work including tests, quizzes, assignments, and homework is to be done by the individual student alone unless it is stated that group work is allowed. If it is determined that a student is involved in cheating, that student will receive a score of zero (0) on the test/quiz/assignment for the first incident. This zero cannot be replaced by the final exam score (see Grading-Tests below). The appropriate Dean will be notified of a student’s second incidence of cheating and will result in a failing grade (F) for the course. Take home assignments are to be done by the individual alone unless stated otherwise. All students must adhere to SSC’s **Academic and Student Codes of Conduct.**
- F. Note the following rules:
 - Sharpening pencils (with the classroom wall sharpener) after class has begun.
 - **Phones should be turned off while in class.** All electronic devices need to be turned off and be kept off the desks and out of sight during class. Phones cannot be used as calculators on quizzes and exams.
 - Eating food or drinking beverages is not allowed in the classroom. This is to help keep the classroom free of garbage, spills, and bugs, and it is a college policy.

- Talking loudly (at a level that interferes with the instructor's speaking) while the instructor is speaking to the class or while a student is trying to talk to the instructor is not allowed. Talking during a test or quiz is not allowed.
- Sleeping is not allowed. If you are sleeping you will be marked absent (you lose your bonus points).
- Children are NOT allowed in the classroom and are NOT to be allowed in hallways unless accompanied by an adult. Check the college's daycare center if you are in need of temporary childcare.

VI. Grading

- A. **Tests:** There will be 5 unit tests and a comprehensive final exam.
NO MAKE-UP EXAMS WILL BE GIVEN FOR ANY REASON. NO EXCEPTIONS. *The final exam score can be substituted for the lowest unit test score if the final is higher, however a zero resulting from cheating cannot be substituted with the final exam score.* If and when multiple choice tests are given, after a test is turned in, you will not be allowed to debate the markings on your answer sheet. Make sure you select the answer you want before you turn in the test. If necessary ask the instructor for a new answer sheet if you are in doubt about the condition and readability of your answer sheet.
 --Tests are closed-book and closed-note.
 --**The final exam is mandatory** and comprehensive.
- B. **Quizzes:** There will be quizzes (7 total) given in class throughout the semester. These will be short 5-10 minute quizzes. The 2 lowest quizzes will not be counted. **NO MAKE-UP QUIZZES WILL BE GIVEN FOR ANY REASON. NO EXCEPTIONS.**
 Quizzes are closed-book and closed-note.
- C. **Homework:** Exercises will be assigned daily. These are to be done on the website MyMathLab. You should try to complete as much of the assigned homework as possible before the next class meeting. Your progress on the homework exercises will have a big impact on your success in this class, as we will discuss some of the homework in class and you will be tested and quizzed on the underlying concepts covered in the homework exercises. Although the homework accounts for only 10% of your course grade, do not underestimate the importance of doing homework. Higher homework scores almost always correspond to higher test scores and course grades. Homework will be collected at the time of each exam. Late homework is worth 50% of the graded point value.

D. Course Grade

		Max points		Grade Scale	Points
Tests	~56%	500	5 @100 each test	A 90-100%	810-900
Quizzes	~11%	100	best 5@20 each quiz	B 80-89%	720-809
Homework	~11%	100	20 each unit	C 70-79%	630-719
<u>Final Exam</u>	<u>~22%</u>	<u>200</u>		D 60-69%	540-629
Total	100%	900		F 0 – 59%	0-539

To calculate your grade at any time in the course, just add your earned points and divide by the total points attempted up till that time. This will give a decimal which can be converted to percent which can be looked up in the Grade Scale column above.

VII. Help!

Keep in mind that you need to study an average of 2 hours outside of class for every 1 hour the class meets. Free tutoring is available in the **Academic Assistance Center** (2264) and from the **Math 140 Club** (see flyer). Ask questions in class. Discuss homework with your classmates when possible. Forming study groups can also be helpful. We may not have time to answer all of your questions regarding homework during class. Try to utilize any available tutorial software that accompanies the text. Try to use the resources of **MyMathLab** to the fullest extent on the internet.

VIII. Schedule/Outline*

Tuesday	8/24	Syllabus, Factoring
Thursday	8/26	7.1, 7.2
Tuesday	8/31	Quiz 1, 7.3, 7.4
Thursday	9/2	7.5, 7.6
Tuesday	9/7	Columbus Day No Class
Thursday	9/9	7.7, Quiz 2, Review
Tuesday	9/14	Test 1 on Chapter 7
Thursday	9/16	8.1, 8.2
Tuesday	9/21	Quiz 3, 8.3
Thursday	9/23	8.4
Tuesday	9/28	12.1, 12.2
Thursday	9/30	Review, 9.1
Tuesday	10/5	Test 2 on Chapters 8 and 12
Thursday	10/7	9.3
Tuesday	10/12	Quiz 4, 9.4
Thursday	10/14	Review, 10.1
Tuesday	10/19	Test 3 on Chapter 9
Thursday	10/21	10.2, 10.3
Tuesday	10/26	Quiz 5, 10.5
Thursday	10/28	10.6
Tuesday	11/2	10.7
Thursday	11/4	Review
Tuesday	11/9	Test 4 on Chapter 10
Thursday	11/11	Veteran's Day Observed No Class
Tuesday	11/16	11.1, 11.2
Thursday	11/18	Quiz 6, 11.3
Tuesday	11/23	11.4
Thursday	11/25	Thanksgiving No Class
Tuesday	11/30	11.5, 11.6
Thursday	12/2	Review
Tuesday	12/7	Test 5 on Chapter 11 and 13.1
Thursday	12/9	Review
Tuesday	12/13	Final Exam 5:00-6:50PM
Thursday	12/15	No Class

Math 100 Survey/Agreement

Student Information (please print)

Name: _____
 First Last

Most recent math class taken: _____

When: _____ Where: _____

Final grade received: _____

Intended major: _____

Your next intended math course: _____

Average hours per week you plan to spend doing math homework: _____

Hobbies-interests: _____

Pertinent comments:

Agreement

I have read and understand this syllabus and agree to abide by the rules, guidelines, and conditions outlined within it.

Student's Signature _____ Date _____