

**AUGUSTA STATE UNIVERERSITY**  
**FALL 2009**  
**MATH 1111 Sec C and F**

**Instructor: DR. DARJI A.**

**Time: 8.00 am – 8.50 am for section C, Univ Hall 246**

**9.00 am – 9.50 am for section F, Univ Hall 246**

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**Office Hours: MWF: 7.15 am – 7.50 am Rm: 348E**

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**TEXT BOOK: COLLEGE ALGEBRA BY MICHAEL SULLIVAN ASU CUSTOM  
 EDITION 3 OR 7 TH EDITION.**

**TENTATIVE SYLLABUS**

<b>Section</b>	<b>Section</b>	<b>Suggested Home work problems</b>
R 2	Real Number Line, $ $ , $ $ , $\sqrt{\quad}$ . Integer Exponents (Scientific Notation Optional)	1-4, 6-8, 10,23 ,27,29,39,47,49,51 73-117 odd
R 4	Polynomials ( +, - , * )	1-87 odd
R 5	Factoring Polynomials	1-125 odd
R 6	Polynomial Division (Long and Syn)	1-41 odd
R 7	Rational Expressions	1-91 odd
R 8	nth roots and Rational Exponents	1-73 odd

1.1	Linear Equations and Applications	1-49, odd, 53,55,57,61, 65-97 odd
1.2	Quadratic Equations and Applications	1-105 odd
1.3	Quadratics and Complex Numbers	1-31 odd, 47-77 odd
1.4	Radical Equations, Equations in Quadratic form	1-91 odd
1.5	Solving Inequalities	1-83 odd
4.5	Polynomials & Rational Inequalities	1-13 odd 31-43 odd

If section 4.5 is covered at this point, the author's discussion must be modified. Section 4.5 may be covered after section 4.1 without modification.

1.6	Equations with $ $ and Inequalities	1-25 odd, 31-43 odd
1.7	Applications	1-49 odd

2.1	Rectangular coordinates	1-45 odd
2.2	Intercepts only page 169	33, 37, 41
2.3	Circles	1-47 odd
2.4	Lines	1-81 odd
2.5	Parallel and Perpendicular Lines	1-33 odd
2.7	Applications	1-35 odd

3.1	Functions and Operation	1-69 odd, 73 ,75, 79
3.2	Graphs of functions	1-27 odd
3.4	Library of functions	9-16
4.1	Quadratic functions and models	1-17 odd, 35-65 odd, 71, 72
5.1	Function composition	1-43, 63
5.2	One-to-one function and Inverse function	1-43 odd , 47-59 odd, 71, 72
5.3	Exponential functions Graph: $y = 4^x$ , $y = (1/4)^x$ and $y = (1/3)^x$ , $y = 5^x$ , $y = e^x$	1-19 odd,29-35, 75, 77, 79

5.4	Logarithmic functions $y = \log_3(x)$ and $y = \ln(x)$	1-55 odd, 57-60,89
5.5	Properties of Logarithms	1-21 odd, 31-71odd
5.6	Logarithmic and Exponential functions	1-23 odd,31, 33, page 425: 53-65, and page 439: 91-111
5.7	Compound Interest	1-37 odd
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7.1	Systems of Linear Equations	1-59 odd
7.7	Systems of Inequalities	1-15 odd, 23-27 odd, 35-45 odd
7.8	Linear Programming	1-25 odd
4.6	Remainder theorem and Factor Theorems	1-19 odd 105
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#### **ADDITIONAL INFORMATION:**

**Monday Aug 17, 2009: Class begins**

**Monday Sep 07, 2009 : Labor Day Holiday**

**Tuesday Sep 08, 2009 : Holiday**

**Monday Oct 12,2009: Mid Term**

**Fall Break**

**Wed-Fri Nov 25-27, 2009: Thanks giving Holidays**

**Thursday Dec 03, 2009: Classes End**

**Mon-Thurs Dec 07 - 10, 2009 : FINAL EXAMS**

**Tests:** There will be 4 chapter tests, a midterm test and one Final exam. One chapter test with minimum score will be dropped. The mid term test can not be dropped. No make for the final exam.

**Final Exam:** The final exam is a comprehensive test. See the departmental e-mail for information about the final exam and the grading policy for it. There are final exam examples available in the back of your text book. If the final exam is missed, a grade of 'F' Will be recorded for the course grade.

**Quizzes:** Unannounced quizzes will be given periodically.

**Homework:** Home work will be assigned at the end of every section of a chapter, and will be due next class day, but will be graded chapter wise. It is imperative to understand and practice what you have learnt to pass the course.

#### **Grading Policy:**

**Final exam: 33 %**

**Chapter Tests: 50 %**

**Mid Term: 10 %**

**Quizzes & HW : 07 %**

**Total : 100 %**

**The letter grade will be awarded according to the standard grading policy:**

**A: 90 and above**

**B: 80 - 89**

**C: 70 - 79**

**D : 60 - 69**

**F : Below 60**

**Attendance: Attendance is taken every class day. Good attendance will reward you extra points on your final grade.**

**Withdrawal: Dropping or withdrawing from the class must be initiated by the student by requesting a withdrawal form from the registrar and having your instructor signed it. I reserve the right to withdraw a student who has more than 50 % of the classes missed by the mid term.**

**Courtesy: Use of common courtesy with your fellow e and your teacher. No pagers, cell phones, Bluetooth ipods,MP3 or any other electronic device should be turned on during the class time. No head phones or Bluetooth device should be warned during the class time. Be prompt on arrival. Please do not come late even by a single minute. Recording of the lecture is not allowed without permission. If you must leave early, let your instructor know before the class begins.**

**Math Lab: There is a Math lab located in the Allgood Hall room N337 available for additional help (free tutoring) outside the class room.**

**Review Sheet: For each chapter test, review sheets and sample tests are available in the back of your text book.**

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