DEPARTMENTAL SYLLABUS/ SUMMER 2005
MAT 1998/? Polynomial and Rational Functions

The students in this course are part of FIU’s Summer B (formerly called Super Summer) program. These students graduated from high school two weeks before the start of this course and were admitted to FIU with below-average SAT scores. This course is designed to review algebra skills that are necessary to succeed in College Algebra. Upon successful completion of this course, they will take MAC 1105 in the fall. For those of you who have taught our Extended College Algebra course, this course is nothing more than the first half of Extended College Algebra.

Text: Algebra & Trigonometry, 7th edition, by Michael Sullivan and Algebra Review, 2nd edition, (a softcover book) by Sullivan, Murphy, and Sullivan. The two books are sold together for one price. **Tell your students not to sell the Algebra & Trigonometry book back after the semester, as they will use the same book for MAC 1105 and MAC 1114.**

Topics include: Polynomials and factoring, solving linear and quadratic equations, roots and radicals, rational expressions, inequalities and absolute value.

The following pacing schedule is suggested as a guideline for getting through the material. You may adjust the pacing if you feel it is not optimal.

1. Algebra Review 1.1, 1.2
2. Algebra Review 1.5, 1.6
3. Algebra Review 1.7, 1.8
4. Algebra Review 2.1, 2.2
5. Algebra Review 2.3, 2.4
6. Algebra Review 2.5
7. Test I (covers 1.1, 1.2, 1.5-2.4)
8. Algebra Review 2.6, 2.7
9. Algebra Review 2.7 (cont.), 2.8
10. Algebra Review 3.1, 3.2 (emphasis on 3.2)
11. Algebra Review 3.3
12. Algebra Review 3.4
13. Test II (covers 2.5-3.3)
15. Algebra Review 4.1
16. Algebra Review 4.2
17. Algebra Review 4.3
18. Algebra Review 4.4
19. Test III (covers 3.4-4.3)
20. Algebra & Trigonometry 1.1
21. Algebra & Trigonometry 1.2
22. Algebra & Trigonometry 1.5
23. Algebra & Trigonometry 1.6
24. Cumulative Final Exam (You may omit day 23 topics from the final or make them extra credit.)