DEPARTMENT OF MATHEMATICS  
MAT 0024 - BASIC ALGEBRA  

Summer C 2011

Bradentown campus 
Instructor's Office: Math Office: 27108
Instructor's Phone: Math Lab: ARC (Building 5)
Instructor's e-mail: Math Lab Hrs:

Venice campus 
Instructor: Math Office: 613
Instructor's Office: Math Office phone: 408-1476
Instructor's Phone: Math Lab: Building 400
Office hours*: Adjuncts available prior to class or after class or specific times available by appointment.

Course: This course includes basic algebra concepts and skills needed for success in higher level courses.
Description: Topics include real numbers, exponents, polynomials, rational expressions, graphing, radicals, graphing linear equations, factoring and solving linear and quadratic equations and applications. Course performance standards are available at www.scf.edu/pages/1160.asp and in the Math Labs.

Prerequisites: A grade of "C" or better in MAT 0012 or equivalent. Student enrollment in any mathematics course is contingent upon approval of the Mathematics Department. This means that students who have been misplaced may have their schedule changed.

Lab Requirement: As part of this course, you are required to register for MAT 0024L. In order to successfully complete the lab requirement, you must do the following:
1. You must attend the required meetings with your lab instructor at the time and location designated in your schedule for MAT 0024L.
2. You must spend the appropriate time working on your fifth hour assignment as directed by your instructor. (Your participation in both components of the lab requirement will be monitored and count towards your final grade.)

Text: Introductory Algebra by Elayn Martin-Gay, 3rd Edition. Students must be enrolled in the Instructional Software (MyMathLab) by the end of the first week.

Materials: A scientific calculator is required. It is allowed during chapter tests and quizzes as directed by your instructor. Calculators with symbolic manipulation capabilities (e.g., TI-89, TI-92) will not be allowed for use during exams.

Examinations: There will be four chapter tests, a department final exam and a required comprehensive Florida College Basic Skills Exit Exam. NO MAKE-UP TESTS or EXAMS WILL BE GIVEN. CALCULATORS WILL NOT BE ALLOWED ON THE FLORIDA COLLEGE BASIC SKILLS EXIT EXAM.

Grading: In order to pass the course, a grade of 70% or better must be earned on the Florida College Basic Skills Exit Exam and an overall 75% average of the total points.

Points Scale
4 Chapter Exams 400 94 – 100% = A
Assigned Math Lab 150 85 – 93% = B
Open Math Lab 75 75 – 84% = C
Quizzes/Participation/Projects/Homework* 100 – 200 65 – 74% = D
Department Final Exam (cumulative) 100 0 – 64% = F
Florida College Basic Skills Exit Exam 200

*Instructor will choose composition of the points.

Attendance: All late arrivals, early departures and absences must be discussed and cleared with the instructor. More than 3 hours of unexcused absences or excessive tardiness may result in your withdrawal from the course.

Withdrawal: In accordance with the State College of Florida policy, as stated in the college catalog, students may withdraw from any course, or all courses, without academic penalty, by the withdrawal deadline listed in the State College of Florida academic calendar. This semester, the withdrawal date is June 30, 2011. Students should take responsibility to initiate the withdrawal procedure but are strongly encouraged to talk with their instructors before taking any withdrawal action. In addition, students should note that faculty may also withdraw students for violating policies, procedures or conditions of the class, as outlined in individual class syllabi, and such action could affect financial aid eligibility.

Electronics Policy: Cell phone etiquette must be observed: In-class usage is restricted to emergency situations. Cell phones are not allowed to be used during tests, not even as a calculator. Inform the instructor before class of any extenuating circumstances. Electronic devices, such as iPods, Blackberries, etc. are not permitted to be used or worn in class.

Misconduct: Students are required to adhere to statements regarding student misconduct outlined in official State College of Florida publications including the Catalog and the Student Handbook. The minimal consequence of failure to adhere to these statements is withdrawal from the course.
## Tentative Academic Calendar Summer C Full Term 2011

<table>
<thead>
<tr>
<th>Week</th>
<th>Sections Covered</th>
<th>Topics Covered</th>
<th>Suggested Homework Assignments</th>
</tr>
</thead>
</table>
| **1** | T 5/10 – R 5/12 | *Pretest*, 1.2  
1.3  
1.4, 1.5 | Symbols and Sets of Numbers  
Exponents, Order of Operations  
Add & Subtract Real Numbers | Pg 15 1 – 73 eoo (every other odd)  
Pg 25 1 – 93 eoo  
Pg 34 1 – 85 eoo; Pg 42 1 – 77 eoo |
| **2** | M 5/16 – R 5/19 | 1.6, 1.7  
1.8 *Review* *Test 1* | Multi. /Div Real Numbers & Properties  
Simplifying Expressions  
Chapter Review | Pg 55 1 – 113 eoo; Pg 65 1 – 85 eoo  
Pg 73 1 – 77 eoo  
Pg 83 1 – 97 eoo |
| **3** | M 5/23 – R 5/26 | 2.1  
2.2  
2.3  
2.4 | The Addition Property of Equality  
The Subtraction Property of Equality  
Further Solving Linear Equations  
Introduction to Problem Solving | Pg 95 1 – 61 eoo  
Pg 105 1 – 77 eoo  
Pg 113 1 – 57 eoo  
Pg 124 1 – 45 eoo |
| **4** | M 5/30 – R 6/2 | *M 5/30 College Closed* | Formulas and Problem Solving  
Percent and Mixture Problems  
Solving Linear Inequalities  
Chapter Review | Pg 136 1 – 61 eoo  
Pg 148 1 – 29 eoo, 39 – 51 eoo  
Pg 160 1 – 57 eoo  
Pg 168 1 – 81 eoo |
| **5** | M 6/6 – R 6/9 | *Test 2*  
3.1  
3.2  
3.3, 3.4 | Exponents  
Negative Exponents/Scientific Notation  
Introduction, Add & Subtract Polynomials | Pg 187 1 – 101 eoo  
Pg 196 1 – 77 eoo  
Pg 206 1 – 65 eoo; Pg 213 1 – 65 eoo |
| **6** | M 6/13 – R 6/16 | 3.5  
3.6  
3.7 *Review* *Test 3* | Multiplying Polynomials  
Special Products  
Divide by a Monomial  
Chapter Review | Pg 220 1 – 73 eoo  
Pg 228 1 – 81 eoo  
Pg 237 1 – 12 all  
Pg 244 1 – 109 eoo, 111, 112 |
| **7** | M 6/20 – R 6/23 | 4.1  
4.2  
4.3  
4.4 | Factoring: GCF & Grouping  
Factoring Trinomials a = 1  
Factoring Trinomials a ≠ 1 Trial-and-Error  
Factoring Trinomials a ≠ 1 AC Method | Pg 261 1 – 75 odds  
Pg 269 1 – 65 odds  
Pg 276 1 – 57 odds  
Pg 281 1 – 43 odds |
| **8** | M 6/27 – R 6/30 | 4.5  
4.6 | Factoring: Difference of Squares  
Solving Equations by Factoring | Pg 287 1 – 63 odds  
Pg 298 1 – 35 odds, 51 |
| **9** | **M 7/4 – R 7/7**  
**College Closed** | 5.1  
5.6 *Review* | Simplifying Rational Expressions  
Proportions  
Chapter Reviews | Pg 331 23 – 53 odds, 55  
Pg 378 1 – 19 odds, 29, 31, 45, 55  
Chapter 4 Pg 315 1 – 61 odds  
Chapter 5 Pg 397 5 – 11 odds |
| **10** | M 7/11 – R 7/14 | *Test 4*  
6.1  
6.2  
6.3 | Plotting Ordered pairs  
Graphing Linear Equations  
Intercepts | Pg 416 19 – 31 odds, 37 – 49 odds  
Pg 428 1 – 29 odds  
Pg 438 9 – 19 odds |
| **11** | M 7/18 – R 7/21 | 8.1  
8.2  
8.3  
8.4 | Introduction to Radicals  
Simplifying Radicals  
Adding & Subtracting Radicals  
Multiplying Radicals | Pg 572 1 – 18 all, 43, 45, 51 – 62 all  
Pg 579 1 – 57 odds  
Pg 585 1 – 51 odds  
Pg 593 1 – 21 odds |
| **12** | M 7/25 – W 7/27*  
*Summer C Classes End.* | Review for Final Exam  
DEPT FINAL EXAM  
Review for Exit Exam | A department final review & a practice Department Final is on the SCF website. A calculator is allowed on the dept final but NOT on the Exit Exam. |

**State Exit Exams**

*Tuesday/Thursday Classes – Thursday, 7/28  
Monday/Wednesday Classes – Monday, 8/1  
Note: The Final Exam Schedule can be viewed at: [http://www.scf.edu/Academics/FinalExamSchedule.asp#Summer](http://www.scf.edu/Academics/FinalExamSchedule.asp#Summer)*

**Final Grades Due at 2:00 p.m. For All Summer C Classes**

**Note:** Thursday, June 30th is the last day to withdraw without academic penalty (no refund).