

MAT 0024

Instructor: Davidson Pierre
Instructor's Office: 27-162
Instructor's Phone: 752-5639
Instructor's e-mail: pierred@scf.edu
Office hours: See Website
Instructor's Website: <http://faculty.mccfl.edu/davidsonp/index.htm>

DISTANCE LEARNING
BASIC ALGEBRA
Bradenton campus
Math Office: 27-124
Math Office phone: 941-752-5222
Math Lab: ARC, Building 5
Math Lab Hrs: <http://www.scf.edu/pages/144.asp>

Fall 2009
Venice campus
941-408-1447
ARC, Building 400

In accordance with Rule 64-10.0315 of the Florida Administrative Code, Community College students MAY NOT ENROLL FOR MORE THAN THREE SEMESTERS in mathematics college prep program of instruction.

COURSE DESCRIPTION: This course includes basic algebra skills needed for success in higher-level courses. Topics include real numbers, exponents, polynomials, rational expressions, graphing, radicals, 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.

MATERIALS: *Introductory Algebra* by Elayn Martin-Gay, 3rd edition (must include MyMathLab access code and the CD Lecture series)

COMPUTER: Minimum system requirements: 233 MHz Pentium Processor (or compatible), Windows 98, ME, XP, 2000, NT 4.0, Internet Explorer 4 or Netscape 4.75 or higher, 64 MB RAM, 28.8 kbps Modem, 4x CD-ROM drive, Sound Card, and display Capability of 800 x 600 at 16-bit color depth.

CALCULATOR: A *scientific* calculator is required to complete some assignments. Calculators will NOT be allowed on exams.

FORMAT: This is a distance-learning course. It is **NOT** self-paced. You will be learning through the use of the text, cd lecture series, and MyMathLab. You will work outside class to complete the course material as outlined in the attached schedule and come to the Lakewood Ranch campus to take traditional paper and pencil exams.

MYMATHLAB: This will be the central location for the course. From this location, you will complete weekly homework assignments and online tests, send and receive e-mails, view important class announcements, and participate in class activities. You are required to log into MyMathLab at least once a day to check for announcements and e-mails. Failing to do so, could result in missed due dates for activities and withdrawal from the course.

HOMEWORK: Doing homework is a critical part of learning mathematics. Two types of homework are components of this course. The online homework will be completed on MyMathLab, and will count for 300 points of your final grade. The online homework are due weekly (with the exception of test weeks). You may start the homework, leave and come back to it. It is theoretically possible to get 100% on all the homework as you're allowed to keep trying problems until you get them correct. However, all homework must be completed by the due date (always a Sunday at 11:59 pm). After the due date, a password will be needed to complete the homework. Each student is allowed **two** passwords. These will be given via e-mail request through the instructor. Use the two requests wisely because any further missed due dates will result in a zero (regardless of the excuse). The paper and pencil homework assignments are provided with this syllabus. These provide you with the opportunity to work problems away from the computer, which helps you prepare for the paper and pencil exams. The paper and pencil homework will not be collected but is just as essential to successfully completing the course as the online work.

ONLINE TESTS: There will be three online tests. Each one is due by 11:59 pm the day before the Lakewood Ranch campus in-person exams. The online tests are required and count for 150 points of your final grade. You are allowed 3 attempts on each of these tests. The highest of the three scores will be recorded. The tests are designed to prepare you for the paper and pencil, in-person exams. It is recommended that you print your completed online tests to use as study guides for the in-person exams.

IN-PERSON EXAMS: There will be three exams, all given at the Lakewood Ranch campus, room 143. The dates are **Sep. 18, Oct. 23, and Nov. 20** at 4:00 pm. These exams are traditional paper and pencil tests during which you will not be able to refer to your notes or text, nor will you be able to use a calculator. The in-person exams will count as 100 points each.

FINAL EXAM: The Florida State Exit Exam will serve as your comprehensive final exam. You must score at least a 70% on the final to receive credit for the course. The final exam will be given **Dec. 11 at 4:00 pm** at the Lakewood Ranch campus, room 143. Calculators are NOT allowed.

MAKE-UPS: THERE WILL BE NO MAKE-UPS FOR MISSED EXAMS EXCEPT IN DOCUMENTED EXTREME CIRCUMSTANCES. Contact your instructor ASAP to discuss such cases.

GRADING:

Your grade is based on the following accumulation of points

Online Homework.....	300 pts	
Online Test.....	150 pts	
In-person Exams.....	300 pts	
Discussion/E-mail Activities.....	50 pts	
Final exam* (cumulative).....	<u>200 pts</u>	* A score of 70% is required on the Final Exam
	Total pts	1000 pts

The grading scale is A=90-100%; B=80%-90%; C=70% - 80%; If you score below a 70% on the final exam, you will receive a grade of "N".

RESPONSE TIME:

Students will typically receive replies to e-mail within 24 hours M – F. Exam scores will be posted confidentially on-line within 3 days following the exam date.

STUDENT INTERACTION:

Students will have the opportunity to interact with their classmates via the MyMathLab provided discussion board and e-mail.

ATTENDANCE:

It is your responsibility to put in time each week working on the course material and to be on schedule. The time you spend working on the computer software is recorded for your instructor. Students who fail to spend at least 3 hours a week on the material are subject to withdrawal from the course. Computer problems are not valid excuses for incomplete work. All assignments can be completed in the ARC if necessary.

WITHDRAWAL:

This term you may withdraw from this course before **October 30, 2009** with a **"W"**. If you remain in the course after that date, you must receive a grade. Withdrawal after the midpoint may be granted by the Dean of Educational Services and shall be based on extenuating circumstances. Throughout your community college career in Florida, you may accumulate only two **W's** in any course; on your third attempt at any course in which you have two **W's** you must receive a grade. Only the **W's** you receive beginning in the Fall 1997 semester count towards this total. More information regarding this policy is available in the current State College of Florida Catalog or class schedule.

CELL PHONE 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.

CONDUCT:

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.

INFORMATION OF COMPUTER TECHNICAL SUPPORT:

SCF Technical Support 24/7 toll-free 866-506-1188 (Report evening and weekend access problems)

Calendar Fall 2009:

Week	Sections/Topics Covered	Assignments	Online Work	Due Dates
1 Aug. 24	1.2 – Symbols and sets of numbers 1.3 – Order of operations 1.4 – Adding real numbers	Orientation (8/24 at 4:00 pm) LWR, rm 143 * Watch CD Lecture Series videos for sections 1.2 thru 1.4 * Complete paper and pencil HW: 1.2 – p. 15 1-79 odd 1.3 – p. 25 1-97 eoo (every other odd) 1.4 – p. 34 1-85 eoo * Online HW 1	HW 1	Sun., Aug. 31
2 Aug. 31	1.5 – Subtracting real numbers 1.6 – Mult. & dividing real numbers 1.7 – Properties of real numbers 1.8 – Simplifying expressions	* Watch CD Lecture Series videos for sections 1.5 thru 1.8 * Complete paper and pencil HW: 1.5 – p. 42 1-85 eoo 1.6 – p. 55 1-113 eoo 1.7 – p. 65 1-85 eoo 1.8 – p. 73 1-79 odd * Online HW 2	HW 2	Sun., Sept. 6
3 Sept. 7	2.1 – The addition prop. of equality 2.2 – The sub. prop. of equality 2.3 – Further solving linear eq's	* Watch CD Lecture Series videos for sections 2.1 thru 2.3 * Complete paper and pencil HW: 2.1 – p. 95 1-73 odd 2.2 – p. 105 1-87 odd 2.3 – p. 113 1-67 odd, 79 * Online HW 3	HW 3	Sun., Sept. 13
4 Sept. 14	Review all previous sections	* Online Test 1 IN-PERSON EXAM 1 (Lakewood Ranch campus room 143 at 4:00 pm, Friday Sept. 18)	Online Test 1	Tues., Sept. 15
5 Sept. 21	2.4 – Intro. to problem solving 2.5 – Formulas and problem solving 2.6 – Percent and mixture problems	* Watch CD Lecture Series videos for sections 2.4 thru 2.6 * Complete paper and pencil HW: 2.4 – p. 124 1-47 odd 2.5 – p. 136 1-61 odd 2.6 – p. 148 1-31 odd, 39-49 odd * Online HW 4	HW 4	Sun., Sept. 27
6 Sept. 28	2.7 – Solving linear inequalities 3.1 – Exponents 3.2 – Neg. exponents & sc. notation	* Watch CD Lecture Series videos for sections 2.7 thru 3.2 * Complete paper and pencil HW: 2.7 – p. 160 1-43 odd 3.1 – p. 187 1-101 eoo 3.2 – p. 196 1-89 odd * Online HW 5	HW 5	Sun., Oct. 4
7 Sun., Oct. 5	3.3 – Introduction to polynomials 3.4 – Add & sub. Polynomials 3.5 – Multiplying polynomials	* Watch CD Lecture Series videos for sections 3.3 thru 3.5 * Complete paper and pencil HW: 3.3 – p. 206 1-67 odd 3.4 – p. 213 1-67 odd 3.5 – p. 220 1-71 eoo * Online HW 6	HW 6	Sun., Oct. 11
8 Oct. 12	3.6 – Special products 3.7 – Dividing polynomials 4.1 – Factoring: GCF method	* Watch CD Lecture Series videos for sections 3.6 thru 4.1 * Complete paper and pencil HW: 3.6 – p. 228 1-79 eoo 3.7 – p. 237 1-23 odd 4.1 – p. 261 1-57 odd * Online HW 7	HW 7	Sun., Oct. 18
9 Oct. 19	Review all previous sections	* Online Test 2 IN-PERSON EXAM 2 (Lakewood Ranch campus room 143 at 4:00 pm, Friday Oct. 23)	Online Test 2	Tues., Oct. 20
10 Oct. 26	4.1 – Factoring: Grouping method 4.2 – Factoring trinomials $a = 1$ 4.3 – Factoring trinomials $a \neq 1$	* Watch CD Lecture Series videos for sections 4.1 thru 4.3 * Complete paper and pencil HW: 4.1 – p. 262 59-79 odd 4.2 – p. 269 1-65 odd, 71-77 odd, 81 4.3 – p. 276 1-89 odd * Online HW 8	HW 8	Sun., Nov. 1

Week	Sections/Topics Covered	Assignments	Online Work	Due Dates
11 Nov. 2	4.4 – Factoring trinomials $a \neq 1$ 4.5 – Factoring: Diff. Of squares 4.6 – Solving quadratic eq's	* Watch CD Lecture Series videos for sections 4.4 thru 4.6 * Complete paper and pencil HW: 4.4 – p. 281 1-59 odd 4.5 – p. 287 1-73 odd, p. 291 1-74 all 4.6 – p. 298 1-73 odd * Online HW 9	HW 9	Sun., Nov. 8
12 Nov. 9	5.1 – Simplifying rational express. 5.6 – Proportions 6.1 – Plotting ordered pairs	* Watch CD Lecture Series videos for sections 5.1, 5.6, and 6.1 * Complete paper and pencil HW 5.1 – p. 331 1-73 odd 5.6 – p. 378 1-19 odd, 29, 31, 37. 45, 55 6.1 – p. 416 17-31 odd, 37 – 49 odd, 55 * Online HW 10	HW 10	Sun., Nov. 15
13 Nov. 16	Review all previous sections	* Online Test 3 IN-PERSON EXAM 3 (Lakewood Ranch campus room 143 at 4:00 pm, Friday Nov. 20)	Online Test 3	Tues., Nov. 17
14 Nov. 23	6.2 – Graphing linear equations 6.3 – Intercepts 8.1 – Intro. to radicals	* Watch CD Lecture Series videos for sections 6.2, 6.3, and 8.1 * Complete paper and pencil HW: 6.2 – p. 428 1-29 odd 6.3 – p. 438 9-19 odd 8.1 – p. 572 1-65 odd * Online HW 11	HW 11	Sun., Nov. 29
15 Nov. 30	8.2 – Simplifying radicals 8.3 – Add & sub. radicals 8.4 – Multiplying radicals	* Watch CD Lecture Series videos for sections 8.2 thru 8.4 * Complete paper and pencil HW: 8.2 – p. 579 1-57 odd 8.3 – p. 585 1-51 odd 8.4 – p. 593 1-29 odd * Online HW 12	HW 12	Sun., Dec. 6
16 Dec. 6	Review for Final Exam	Complete provided review for final	N/A	N/A
17 Dec. 11		FINAL EXAM (TUES. 12/11 AT 4:00pm), LWR, rm 143		

***Friday Oct. 30 is the last day to withdraw without academic penalty (no refund)**

**** Calendar does not reflect possible discussion/e-mail activities, which will be assigned randomly throughout the semester.**

Remember to log into MyMathLab daily to check for such assignments.