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Syllabus – Spring 07
Intermediate Algebra #56027

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Instructor: C. Montgomery   **Class Meets**:   M-F, 11:00-11:50 A.M.
Phone No.   (559) 638-3641 ext. 3799   **Room No.:** CCI 200
Email: cindy.montgomery@scccd.com
Office Location: FEM Building #4G   **Office Hours**: **M Th**: 9:00 –10:00, **T W** 9:00-9:30
                                              Also by Appointment

Courses Outcomes/Objectives: 1. To acquire in-depth knowledge of college level algebra, including, linear & quadratic equations, systems of equations, radicals, complex numbers, conics and exponential functions. 2. To develop the student's ability to solve problems with applications in life as well as work situations. 3. To develop oral and technical writing skills to clearly communicate the problem and solution process. 4. To enhance student analytical problem solving ability and increase self-confidence in the ability to use math. 5. The student will obtain the knowledge base and skills necessary for success in future math coursework.

Advisories: Eligibility for English 126   **Prerequisites:** Beginning Algebra (Math 101) or equivalent

Text: Elementary & Intermediate Algebra, a combined course, **Second Edition**, by Charles McKeaque

Materials: Scientific calculator, graph paper.

Grading:

		Points
Chapter Tests		600 (100 points per exam)
Final Exam		100
Homework Points		30 (5 per exam)
Participation Points		25 / 0

Each test is worth 100 points. The final is optional and may be used to replace a missed exam or low-test score. **Two tardies will be counted as an absence**. It is your responsibility to let me know if you are tardy (after class). **Failure to do so will result in that tardy being counted as an absence**. Leaving class early may be counted as an absence. Please talk to me before class if you need to leave early. Twenty-five (25) class participation points will be awarded to all students with five or fewer absences (or combinations of tardies and absences) for the entire semester provided the student participates in all in-class assignments. **The instructor reserves the right to award zero points for homework, participation points and/or deduct points of any student whose in class behavior is unacceptable to the instructor. These behaviors include those listed under Expected Participation and Behavior on the second page of this syllabus.** At the end of the semester your points will be totaled your final grade will be computed as follows:

Grading Scale: Grade   Percent

	Grade	Percent
	A	90 -100
	B	80 - 89
	C	70 - 79
	D	60 - 69
	F	Below 60

<u>SPECIAL NEEDS</u>: If you have special needs as addressed by the Americans with Disabilities (ADA) act including alternate media requests, please notify your course instructor immediately. Reasonable efforts will be made to accommodate your special needs.

Homework: Homework is extremely important. Your success in this class is dependent upon your ability to work and understand the homework problems. **Do not fall behind!** If you are having difficulty, get help immediately**!!!** **Please let me know if I can help you in anyway.**
1. **Homework is due at the beginning of class on each test date**.
2. **Homework must be in the order in which it was assigned**. I will not accept homework that is disorganized or late.
3. **Each homework assignment is worth up to five [5] points**. **Five points will be assigned only when homework is complete (all work must be shown), organized and neat.** No credit will be given for homework consisting only of solutions or homework copied from the student's solutions manual! The solutions are in the back of your book. Your are responsible for checking your own work, then asking the instructor for clarification of any problem(s) you did not understand the next class meeting.

Exams:
a)   **The Final Exam will be a comprehensive exam.   The Final Exam will be held:**
                    Monday, May 14th, 11:00 A.M.-12:50 P.M.
b)   **Makeup exams will not be given**. You may use the final exam to replace one missed exam or your lowest test score.
c)   Calculators are allowed on all tests.
d)   Cheating on an exam may result in an F in the course or an F on the exam depending on the severity of the offense**. Talking to other students or cell phone use during an exam will be considered cheating.**
        For details of the college policy in regard to plagiarism or cheating, see page 52 of the catalog.

Expected Behavior and Attendance

1.   **After 3 absences, you may be dropped from the course**. Please notify me if you are going to be absent**. Absences will not be excused under most circumstances.   If you wish to drop the course, it is your responsibility to do so.** You must turn a completed "change of program" form into the office to drop the class.
2.   **You can be dropped from the class or have participation/homework points deducted for any of the following behaviors.**

    A)   **Any behavior that is disrespectful of fellow students or the instructor.**
    B)   **Talking while I am talking and/or any distracting behavior.**
    C)   **Failure to cooperate/participate in group-activities.**
    D)   **Leaving class early without prior instructor notification.**
    E)   **Excessive tardiness and/or absences.**
    F)   **Cellular phone use or leaving beeper on in class.**

Important Dates & Holidays:

Monday, January 15th	**Martin Luther King Day, no class**
Friday, January 26th	**Last Day To Drop a full length course and avoid a W (or register)**
Monday, Friday February 9th	**Last day to change to CR/NC grading basis**
Monday, Friday February 16-19	**President's Day Holiday, no class**
Friday, March 9th	**Last day to drop class and have a W instead of a grade**
April 2nd -8th	**Spring Break, no class**
May 14th-18th	**Final Exams Week**

THIS SYLLABUS IS SUBJECT TO CHANGE AT THE INSTRUCTOR'S DISCRETION

COURSE OUTLINE OF TOPICS

WEEKS 1-3: Chapter-Sections 7.1-7.5**;** Review of solving equations and factoring, equations and inequalities with absolute value.

Weeks 4-6: Chapter-Sections 7.6-8.3; Systems of equations in two and three dimensions, slope of line, graphing lines.

Weeks 6-9: Chapter-Sections (4.1 & 4.2 Review), 8.4-9.2; Functions, review of laws and properties of exponents, irrational exponents

Weeks 9-11: Chapter-Sections 9.3-9.7; Radicals and complex numbers

Weeks 11-13: Chapter-Sections 10.1-10.6; Quadratics and their graphs.

Weeks 14-15: Chapter-Sections 11.1-11.6; Exponential & Logarithmic Functions

Weeks 16-17: Chapter-Sections 13.1-13.3 +; Graphs of conics, review for final, Binomial Theorem and sequences if time permits.

Week 18:   **Final on Monday, May 14th**