

## MAT 080 – Intermediate Algebra

Fall 2011

**INSTRUCTOR:** James Walters

**E-MAIL:** [jwalters@cfcc.edu](mailto:jwalters@cfcc.edu)

**OFFICE HOURS:** 2:00 – 3:00 W,F 3:00 – 4:00 M,W & 3:30 – 4:00 T,Th

**PHONE:** (910) 362 - 7108

**OFFICE:** S 602 K

**TEXT:** Intermediate Algebra, Ninth Edition, by Lial, Hornsby, and McGinnis, published by Addison Wesley 2008. **Since the text is included as part of the online portion of this course, it's purchase is optional.**

You **must** purchase a **MyMathLab** Student Access Code card from the book store, online at [www.coursecompass.com](http://www.coursecompass.com), or if you purchased a new book it should be packaged with it. The course ID required to register for the online component is **walters06718**.

**HONOR CODE:** Upon logging onto this course, you are agreeing to complete all graded assignments independently. You will not solicit nor secure assistance on tests or homework assignments. Furthermore, if there is just cause, your instructor may require some or all of your graded online assignments to be proctored.

**COURSE DESCRIPTION:** This course continues the study of algebraic concepts with emphasis on applications. Topics include factoring; rational expressions; rational exponents; rational, radical, and quadratic equations; systems of equations; inequalities; graphing; functions; variations; complex numbers; and elements of geometry. Upon completion, students should be able to apply the above concepts in problem solving using appropriate technology. **A grade of "C" or better is required for satisfactory completion of this course.**

**COURSE OBJECTIVES:** The student should be able to: factor polynomials; identify, evaluate and simplify rational expressions; define rational exponents and evaluate expressions involving rational exponents; solve rational, radical and polynomial equations (numerically, analytically, and graphically); solve rational and polynomial inequalities (numerically, analytically, and graphically); identify and use functions (verbally, numerically, graphically, and symbolically); solve systems of equations; define and solve direct, inverse and joint variation; perform basic operations with complex numbers; apply topics of analytic geometry including distance formula, midpoint formula and slope.

**COURSE HOURS PER WEEK: 5 SEMESTER HOURS CREDIT: 4**

**PREREQUISITES:** a. Proficiency in Numerical/Arithmetic Skills (minimum ASSET score of 42 on Numerical or a minimum CPT score of 57 on Arithmetic OR a grade of "C" or better in MAT 060) b. Proficiency in Elementary Algebra (ASSET score of 38-55 on Algebra OR an ASSET score of 30-42 on Intermediate Algebra OR a CPT score of 57-75 on Elementary Algebra OR a grade of "C" or better in MAT 070)

**COREQUISITES:** RED 080 OR ENG 085

**CAUTION:** It is possible to be ahead of schedule in this course by a couple of days; however, you cannot fall behind. **THIS IS NOT A SELF PACED COURSE; YOU MUST KEEP UP WITH THE WORK. THERE IS NO MAKE UP WORK IN THIS COURSE.** The technology required to take this course is your responsibility. Computer glitches or problems are not acceptable excuses for late or incomplete work.

### EVALUATION:

- **EXAMS (60%):** Sixty percent of your grade will be based on the average of your 5 test scores (each weighing 12%).
- **HOMEWORK/QUIZZES (40%):** Forty percent of your grade will be based on the average of your sixteen online homework assignments as well as any in class quizzes or other assignments.

All graded work is to be done independently; you should not be receiving assistance from your textbook or any individuals. You must average at least 76% in order to successfully complete this course. Your grading scale is as follows:

92 - 100 A

84 - 91 B

76 - 83 C

75 or less F

You will cover chapters 2 – 10 in your text.

**ATTENDANCE:** Attendance will be taken at the beginning of each class period. Students absent any part of class (beginning or end) may be marked absent for that hour. Arriving late and leaving early will not be tolerated. Late arrivals must personally see the instructor at the end of class that day to have an absence converted to a tardy. Failure to do so will result in the absent designation remaining. A person who is tardy more than three times may have subsequent tardies counted as absences. Students who miss more than 20%(16 hours) of the scheduled class hours will not receive credit for the course.

Individual private conversations should be avoided as they tend to be disruptive and are a distraction to other students who are trying to listen. **No cell phones in the classroom.** They ***can not*** be used as a calculator. Students who are disruptive will be asked to leave the classroom and counted absent. Additional handouts may be passed out or announcements may be made in the class during the semester. It is the responsibility of the student to keep up-to-date.

**STUDENT EMAIL:** myCFCC is your student web portal - there you can access your class websites, email, and WebAdvisor (official academic info such as grades, transcripts, schedules, etc). Your official CFCC-provided email account is to be used for all e-mail correspondence with your instructors and CFCC staff. Some information from CFCC will ONLY be emailed to this address, and not sent through postal mail, so it is very important that you check this account. To access this account, visit the myCFCC portal - there is a link to the portal near the top of the CFCC.edu website. Login and click the Email link. Your username is part of your email address: [user@mail.cfcc.edu](mailto:user@mail.cfcc.edu). (Note if you've had a CFCC email address in the past, this one differs because we've changed 'email' to 'mail' in the address.) This email account is provided to you as long as you are enrolled in classes (you can take the summer off), and may be used for personal email as well as academic email. The class websites linked from the portal are automatically created for every class - it is up to the instructors to decide whether and how to use them. Even if they are not used, you can send an email to your instructor by clicking the Send Email link on your class homepage.

**DISABILITY SERVICES:**

- If you are a person with a disability and anticipate needing accommodations of any type in order to access or participate in this class, you must contact the Disability Support Services Office ( Galehouse Bldg. room A215, 362-7012 or 362-7158), provide the necessary documentation of the disability and arrange for the appropriate authorized accommodations.
- All information shared with the Disability Support Services Office is protected as confidential.

**WITHDRAWAL POLICY FOR DEVELOPMENTAL COURSES:** Students desiring to withdraw from classes must contact the Admissions and Records Office to obtain the necessary forms and procedures for official withdrawal. To avoid the possibility of receiving a punitive grade, students are strongly encouraged to properly withdraw from any courses they are unable to complete. Students may not attend the class after a withdrawal is processed. Students who have not attended at least once by the 10 percent date of the class will be dropped by the instructor as 'no show' and assigned a non-punitive transcript grade of 'NS'. No tuition and fee refunds will be made. Financial aid eligibility will be adjusted accordingly. Students who withdraw from a course(s) within the 80 percent date of the semester will receive a grade of 'W' which is not computed in the grade-point average). Students will not be allowed to withdraw from a course(s) after the 80 percent date of the semester. After the 80 percent date, final grades will be assigned based on the grade earned or 'WF' (punitive grade) in cases of excessive absences. The Vice President of Student Development or Vice President of Instruction or his/her designee must approve all exceptions. Documentation will be required for all exceptions. While students are expected to initiate all withdrawals, instructors will withdraw a student through the 80 percent date of the semester and assign a grade of 'W' only when the student has exceeded the \*allowable absences for that course. Instructors may not initiate withdrawals for any other reasons. Instructors may not withdraw students after the 80 percent date of the semester. Refer to the Revised Academic Calendar for specific withdrawal deadlines at [www.cfcc.edu](http://www.cfcc.edu) or at Student Development.

**DISCLAIMER:** Information contained in this syllabus was, to the best knowledge of the instructor, considered correct and complete when distributed for use at the beginning of the semester. The instructor reserves the right, acting within the policies and procedures of Cape Fear Community College, to make changes in course content or instructional techniques without notice or obligation.