INTERMEDIATE ALGEBRA OVERVIEW

MATH 080  SECTION #92612

Spring 2015, M W 1:30 - 4:00 pm in A106

Santiago Canyon College, Math and Science Division

INSTRUCTOR: KATHY MOORE  E-MAIL: MOORE_KATHY@SCCOLLEGE.EDU

OFFICE: U84  PHONE: 714-628-4923  WEBSITE: WWW.SCCOLLEGE.EDU/KMOORE

OFFICE HOURS
- Monday  1:00 - 1:30 (U-84); 4 - 5:00 pm (U-84/U104); 7:00 - 8:00 pm (U-84)
- Wednesday  1:00 - 1:30 (U-84); 4 - 5:00 pm (U-84/U104);
- Thursday  7:00 - 8:00 pm (U-84)

KATHY MOORE’S MATH STUDY HALL (MAST) (U80) HOURS
- Tuesday  2:30 - 4:30 pm

MATH STUDY HALL (A. K. A. MASH)

MaSH is a service provided by SCC that provides students with supplemental learning to the classroom. A math faculty member or an instructional assistant is always on duty to assist students with questions or concerns from their math class. Additionally, computers are available for students to access mathematical software or complete internet-based assignments for a math class. The MaSH is located in room U-80.

The hours of operation for Spring 2015 are:

Monday through Thursday: 9:30 a.m. to 7:30 p.m. & Saturday: 9 a.m. to 3 p.m.

To utilize the MaSH, you must enroll in Math 080L, Section #92593. This is a Pass/No Pass, Open Entry/Open Exit lab course. You will need to complete at least 9 hours in the MaSH within the 16-week semester to earn 0.2 units with a grade of Pass (P). Note, if you have to drop the class, be sure to drop the lab also to avoid a No Pass (NP) in the lab.

Note, students are strongly encouraged to enroll in the Math 080L to review, enhance and/or advance students' knowledge of mathematics based on their individual need in intermediate algebra.

Attendance is tracked through the sign-in computer so when entering the MaSH, have the assistant slide your student ID card or type in your ID number at the sign-in computer (do not use your SSN, it will not work). When leaving, sign out the same way you signed in; signing out is critical in order to avoid losing any hours completed. If you have any questions or concerns, please contact Alicia Frost at 628-4929.
TEXT AND SOFTWARE

TEXT

The book is free for download or can be purchased in printed form from www.lulu.com for approximately $23.

Optional Workbook: BEGINNING ALGEBRA MPC095 LAB WORKBOOK, by Tyler Wallace, Creative Commons Attribution 3.0 Unported License. Website: http://www.wallace.ccfaculty.org/book/MPC%20095%20Book.pdf

SOFTWARE
Access to a computer with internet connection is required for this course. You will be using MyOpenMath to access course documents, exam review, homework assignments and Module Quizzes. You must log on and verify your email address in MyOpenMath within the first week of the semester or you will be dropped from the course.

http://www.myopenmath.com/

Your course id code: 3864 Enrollment Key: 92612

COURSE DESCRIPTION AND PURPOSE
The purpose of this course is to strengthen your arithmetic skills with emphases on problem-solving and development of critical thinking skills. Topics covered include functions, systems of equations, inequalities, exponents and radicals, quadratic functions, complex numbers, and exponential and logarithmic functions. SLO’s - As a result of completing Math 80 students will be able to:

• Read, define and apply algebraic and functional vocabulary and symbols
• Evaluate and perform algebraic operations on rational, radical, exponential and log expressions
• Set up and solve word problems involving quadratic, rational, absolute value, radical, exponential and logarithmic expressions
• Graph linear, quadratic, absolute value and power functions, apply graphing transformations and find the equation of linear functions given appropriate information.

HOMEWORK
In any math course, it is essential to get “hands on” experience with the concepts. Watching me do algebra is easy; you need to do it yourself in order to really learn the material. One important way to do this is by doing your homework. Homework is not to give you busy work or drill. Don’t think of your homework as a certificate proving that you have done the assignment. Think of it as an exercise in learning and in reporting what you have learned. Plan to spend at least two hours per one hour of class on your homework. You should be spending 10 hours every week on this class - reading the textbook, doing homework, re-writing notes and studying for tests. Homework is due by the next class meeting.
Homework will be assigned twice weekly consisting of exercises from MyOpenMath software. It is your responsibility to have all of the problems completed correctly and if you have any questions about any homework problems, we can discuss them in class or during my office hours. Homework turned in on-line will be graded on the percentage of exercises that are answered correctly; your total percentage at the end of the course will be the points you receive for your homework portion of your final grade. Note, you do not have to complete a section in one sitting. If you complete part of an assignment, you can return to it later, as long as the due date has not passed. To keep on schedule, the sections discussed during the class must be completed by the next class meeting. The deadline for each day’s homework will be next class meeting at 1:29 pm before class begins. Work the homework problems on paper and then enter the answers into the software system. I will collect the work you show on paper for all homework problems on test days. The written solutions to homework problems are worth 10 points for each packet collected.

There will be no exceptions regarding the due dates unless at the end of the semester you have completed 95% of all on-line homework assignments in MOM. You will be able to access the homework on-line past the due date and to work on those problems. Last day to complete any homework for credit is May 28th at 1:29 pm.

Reading the textbook is important. The text has convenient examples throughout the chapter. You should read the text and work these problems - checking solutions as you go, then work the homework problems. There are videos available in MOM for each topic covered. If you miss class or are having difficulty, watch these and attempt the accompanying problems before trying the homework.

Once you feel comfortable with the material you will take a Practice Quiz and a Quiz for each Module.

**Homework Grading**
Homework is done on-line for each section in the Modules it is worth 100 points of your final grade. Homework and Practice Tests make up your homework grade. A minimum score of 75% is required to receive credit on Practice Tests only. You make take the Homework and Practice Tests as many times as you like - however the Homework and Module Quizzes are due on specific dates and must be completed on time. Remember that Module Quizzes must be completed in a time limit and each problem must be attempted only twice (problems will change). The written work shown will be due on Test dates.

**Late Passes**
Each student will be given 4 late passes to be used in case of emergencies. They allow you to have an automatic extension on Practice Quizzes and module Quizzes. A late pass must be redeemed before the due date and time. A late pass extends the due date by 72 hours.

**Accommodations for Disabilities**
Students with disabilities who want to request academic accommodations are responsible for informing their instructors and Disabled Students Programs and Services (DSPS) as early in the
semester as possible, or at least two weeks before the accommodation is needed. To have accommodations authorized, students must provide DSPS with verification of disability and meet with a DSPS professional for an evaluation of needs. Students may schedule a DSPS appointment by coming to the DSPS Office in E-105, by phoning us at (714) 628-4860 or by emailing us at DSPS@sccollege.edu.

**IMPORTANT DATES**
The last day to drop with a fee refund, the last day to drop without receiving a W grade, the last day to submit a Pass/No Pass application, and the last day to drop and receive a W instead of a letter grade are listed on WebAdvisor. These dates are strictly adhered to, so check WebAdvisor periodically to make sure you do not miss any of these important deadlines.

**ATTENDANCE POLICY**
Attend every class! If you must miss class, make arrangements to get class notes and assignments from another student. Attendance will be taken at each class meeting. A student may be dropped due to excessive absences (4 or more). Please let me know if an emergency occurs which affects your attendance. If you decide to drop this class and stop attending, it is your responsibility to turn in a drop card to the Admissions Office (E-101).

**STUDENT CONDUCT POLICY**
All students are responsible for maintaining appropriate conduct while enrolled in classes through the Rancho Santiago Community College District (RSCCD). Guidelines for student conduct are set forth in the RSCCD “Standards of Student Conduct” policy. Detailed information regarding student discipline and rights within this policy is available in the college catalog and student handbook. Students who violate the Standards of Conduct are subject to disciplinary action which includes, but is not limited to, removal from class, suspension and expulsion.

**STUDENT HONESTY POLICY**
There will be several opportunities for collaborative activities in this class; however, collaborating on class tests or quizzes will not be tolerated. Anyone seeking help from or providing assistance to another student on a test or quiz will receive a zero. Homework is expected to be individual work.

**TEST RULES**
- No looking at another students’ desk or paper
- No sharing of supplies or calculators
- No talking or using cell phones

**CELL PHONE POLICY**
All cell phones and electronic devices should be turned “OFF” (not on “silent,” not on “vibrate,” not “on”) during the entire class period. I truly believe electronic devices are a distraction to the instructor, to other students, and to the user. My goal is to create the most effective environment conducive to learning. If there is an emergency situation, you must inform me before class begins. If you are addicted to texting, find another class immediately.
Based upon the RSCCD Standards of Student Conduct, students will be in violation of the code should you disrupt the teaching of this class. This includes excessive talking with your peers and any cell phone usage, including texting. Penalties that may be invoked include warnings, probation and suspension from all classes and activities within the district.

**SUPPLIES**
A scientific calculator is required (recommend TI-30XA or TI-30XIIS or equivalent). A graphing calculator is permitted with the exception of the TI-89 or TI-92. Note, cell phone or PDA calculators of any kind are forbidden from being used in this course. An electronic tablet may be used for notetaking as the teacher models in class, however a calculator will be needed for exams. You will also need a colored pen or pencil, graph paper, and you may want to acquire a 1.5 or 2 inch loose-leaf binder as well as a stapler for stapling homework together. One 882-E scantron for the final exam.

**PREREQUISITE**
Successful completion of Math 060 or equivalent skills (as measured by a satisfactory score (26) on the math level 2 placement exam in combination with a course equivalent to Math 060).

**SUPPLEMENTAL INSTRUCTION**
Supplemental Instruction is available for this course to assist students in better understanding the course material. The SI program provides peer-facilitated study sessions led by qualified and trained undergraduate SI leaders who attend classes with students and encourage students to practice and discuss course concepts in sessions. Sessions are voluntary and open to all students in this course who want to improve their understanding of the material, as well as their grades. SI sessions will focus on the most recent material covered in class and sometimes exam review. Supplemental Instruction for this course:

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Note, SI sessions are independent of the one-hour per week lab requirement and any hours contributed to SI are not included in the required lab hours. For any questions or concerns, please contact Laney Wright at (714) 628-4924 or wright_laney@sccollege.edu. For more information regarding SI for this course and other courses where SI is offered at SCC, go to www.sccollege.edu/SI.

**TESTS AND QUIZZES**
1. There will be 15 in class mini quizzes each worth 2 to 4 points. Handouts worth 2 to 4 points each will be assigned. They are only given to students present in class. There are no make-up quizzes/handouts for absent or late students.

2. There are 11 online Module quizzes worth 20 to 50 points each. The Module quizzes online are due on the indicated date on the schedule at 11:59 pm. Module Quizzes must be completed in a stated time limit and may only be taken once. Dates are on the attached schedule; however, the dates may change if the instructor finds it necessary and such changes will be announced in advance in class or through email. The Module Quizzes are
worth in total 200 points toward your grade. Practice Tests are available online and are worth 20 to 50 points each that will in total count as 100 points toward your grade (expect 1 to 1.5 hour time & 20-50 questions).

3. There will be four 100-point comprehensive tests. Dates are on the attached schedule, but may change if the instructor finds it necessary and such changes will be announced in advance in class or through email. Tests are comprehensive.

4. Tests must be taken on designated days; no make-ups will be given! If an emergency occurs, you must call me before the test to tell me that you will be absent. A one-time test replacement grade may be used if a test is missed, only if I am notified in advance, by substituting the percentage from the final.

5. A comprehensive final exam will be given. It is worth 280 points. (Wednesday, June 3rd in this classroom). A scientific or graphing calculator may be used. The final is worth 25-33% of your grade so take the time to prepare!

### Grades

The course grade will be based on:

- Tests 400
- Module Quiz 240 53%
- Practice Quiz 80
- Homework 120 20%
- Handouts/MiniQuiz 40
- Final Exam 320 27%

**Total Points Possible** 1200

The grading scale will be:

- 90-100% A ≥ 1080 pts
- 80-89% B ≥ 960 pts
- 70-79% C ≥ 840 pts
- 60-69% D ≥ 720 pts
- 0-59% F < 720 pts

### How to Survive This Course

a) Keep this overview and notify me of any trouble you are having in this course.

b) You are required to read all sections of the text to supplement the lecture because it is impossible to cover all the material in class. Class lectures make more sense if you have read the material before the date on the schedule. Plan also to re-read each section after it is discussed in class.

c) Give yourself plenty of time outside of class to review your notes, read the text, work homework problems and study. If possible, set up a study group of 1-5 other students. Studying with others can help you with questions you may find difficult and force you to communicate solutions to other students. The best way to learn a subject is to teach it.

d) Focus on vocabulary!! Don’t get behind. Keep a positive attitude. Get help when you need it.

By remaining enrolled, students hereby agree that they will be held responsible for items described in this overview and in the schedule.
SUCCESSFUL STUDENTING

Many students do not know what a good college student is or what a good college student does. For one thing, good students need not be the individuals with A’s and B’s.

Characteristics of a successful student

1. They **turn off their cell phone** and attend class – regularly and on time. If they miss a lecture they make sure they get all assignments and with the help of their classmates, understand specifically what was covered in class.

2. They demonstrate that they care about their grades and are willing to improve them.

3. They speak out in class (even if their attempts are a bit clumsy or difficult). They ask questions concerning current assignments. They do **not** wait until an exam is forthcoming.

4. Successful students turn in assignments that are neat and sharp. They take time to produce a final product that reflects a caring attitude and pride in their work.

5. They see the instructor before or after class about grades and upcoming tests and other academic problems. They are not afraid to enter into meaningful conversation with the instructor.

6. They are attentive in class. They do not text, chat, read or eat. In other words, they are polite and graceful (even if they get a bit bored).

7. All work and assignments are submitted on time (as would be done in a realistic work environment). Successful students complete all work.

8. The most successful students may well spend time in the tutorial center (frequently), in the library (studying with a group of classmates) or at the instructor’s door many times during the semester.

It is a demanding task to do well in college. Successful students work on all of the above characteristics. They are also models for their fellow students, who may be inexperienced, and help them get down to the business of serious studenting (a requirement of this course and of this instructor).

By courtesy of Professor A. Liberi
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