



DIVISION OF MATH AND SCIENCES
SPRING 2012
TICKET NUMBER 57264
MATHEMATICS 80: INTERMEDIATE ALGEBRA ONLINE– 4 UNITS
7:30-9:30 P.M. SELECTED WEDNESDAYS IN SCC-SC-U-86
JANUARY 25, 2012 THRU MAY 16, 2012

Instructor

Darlene O. Diaz

Office

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Website

🌐 <http://www.scccollege.edu/ddiaz>

Office Hours

Tuesday: 8-9 A.M. and 10-10:30 A.M.

Virtual Hours: 9-10 A.M.

Thursday: 8-10:30 A.M.

Course Information

Systems of equations: inequalities, graphs and functions; radicals, quadratic polynomials, rational expressions; exponential and logarithmic functions, problem solving.

Prerequisite(s): *Successful completion of Mathematics 060 or equivalent skills (measured by a satisfactory score on the Math Level 2 exam) in combination with an Elementary Algebra course. Advisory reading level: 2.*

Course Objective

The purpose of this course is to give the algebra background necessary to continue in mathematics or pursue other fields that require a mathematics background. *Please see the Student Learning Outcomes on the following page(s).*

Course Structure

You will work on assigned sections independently via MyOpenMath (MOM) along with participating in the Forums. You should follow the schedule in the following pages. If there are questions from the homework or quizzes, feel free to come to my (virtual) office hours, email me, or attend the MaSH (this is highly encouraged). Study groups are also helpful with other students taking Intermediate Algebra at SCC. Even though this is an online class, I will be frequently accessible.

Textbook


[1] Wallace, Tyler, *Beginning and Intermediate Algebra*, Second Edition. ISBN: 978-1-4583-7768-5. Creative Commons Attribution 2.5, 2011.


🌐 Website: <http://www.wallace.ccfaculty.org/book/book.html>


Required Supplies

- ◇ 🧮 A scientific calculator is required, e.g., with logarithmic functions. Note, cell phones or PDA calculators of any sort are forbidden from being used in this course. (*The TI-30 XIIS is a recommended inexpensive model, \$12.99 at Target, that would be sufficient for this course.*) **Sharing calculators is prohibited and unacceptable under any circumstances.**
- ◇ 🖥️ Access to a computer with internet connection is required for this course. You will be using MyOpenMath (and possibly Blackboard) to access your Module Quizzes, Forums, grades, course documents, exam reviews, and homework assignments for this course. **You must log on and verify your email address in MyOpenMath (and Blackboard) within the first two weeks of the semester or you will be dropped from the course**

because this is an online course and email is the primary communication for this class.

 <http://www.myopenmath.com/>

 <http://rsccd.blackboard.com>


 Note, when I send the class emails, they are templates. The templates are sent to everyone and are not to be taken personally in any matter. Any concerns or questions about the templates received, please inquire as soon as you receive the email.

- ◇ Pencil(s): The in-class exams will be done in only pencil. Failure to complete the exams in pencil will result in point penalties.
- ◇ Two 882-Scantrons; for the midterm and final. (The exams are part multiple choice, part free response.)

Homework

The purpose of homework in this course is to develop skills in understanding and communicating mathematics. It 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.

Homework will be assigned weekly consisting of exercises called Homework from the modules in MyOpenMath. It is your responsibility to have all of the problems correctly completed and if you have questions about any homework problems, email me, attend the MaSH, or attend (virtual) office hours.

 **Homework will be not be graded, but very, very, very helpful in preparing for the module quizzes, midterm, and final exams.** Do not attempt the module quizzes without doing the homework because the quizzes and exams are weighed heavily on your class grade.

Forums

Participating in the Forum in MyOpenMath is part of your grade. I will be posting Math 80 concept-based questions in the Forum where you will use your peer's help to answer. You can also utilize the Forum not only for your grade, but to obtain peer help with homework or exam review questions, or set up study group meetings & times. I will be checking the Forum so that I may answer any questions or comments posted.


You must participate in the Concept Questions Forums at least five times during the semester in order to receive credit. Each posting will be worth 10 points.



There are absolutely no profanities allowed on the Forum. Failure to refrain from rude comments, profanity, or slang will result in the removal from this course as well as being reported to the dean. College level grammar and spelling are required when using the Forum; *you will not receive any credit on your posting if you fail to spell/grammar check before submitting your post.*

Module Quizzes

There will be nine online quizzes via MyOpenMath after each module (except Module E, where Module E Quiz will be extra credit). Quizzes will consist of approximately 10-15 questions from each chapter and will be due on Tuesdays by 11:59 P.M. Quizzes will be out of 50 points, graded on the number of questions that are answered correctly, and can be taken twice (I will take the highest score). To keep on schedule, no late quizzes are accepted under any circumstances.

 Complete each module, i.e., watch the videos and complete the homework, before attempting to complete the quizzes. The quizzes are weighed heavily on your grade and failing to do well on the quizzes is a risk for earning a failing grade in the class.

Testing

There will be two in-class exams: one midterm and one final exam. The midterm exam will be given after the completion of the first five modules and the final exam will be cumulative of all ten modules. The exams are part multiple choice and part free response. Hence, you will need two scantrons (882-E)- one for the midterm and one for the final. Treat the exams critically because the exams will be weighed heavily on your grade. The midterm will be held on **Wednesday, March 14, 2012, from 7:30-9:30 p.m.** and the final exam will be held on **Wednesday, May 16, 2012, from 7:30-9:30 p.m.** ; both in room U-86. There will not be any make-up exams or final for any reason. **If you do not take the final, you will automatically not pass the course.**

◇ MIDTERM on March 14, 2012

◇ FINAL EXAM on May 16, 2012

It is critical that you attend both dates above in order to be successful in this course. Since there are no make-up exams, *you are responsible* to make the according arrangements in order to attend and take both exams.

Basis of Grading

◇ Grade Constitution:

| Component | Points Ea. | Total Pts. | % of Grade |
|-------------------|------------|------------|------------|
| Final Examination | – | 200 | 22% |
| Midterm | – | 200 | 22% |
| Discussion | – | 50 | 6% |
| Quizzes | 50 | 450 | 50% |
| Total Points | – | 900 | 100% |

◇ Grades will be distributed as follows:

| | | |
|--------------|---------|---|
| 810–900 pts. | 90–100% | A |
| 720–809 pts. | 80–89% | B |
| 630–719 pts. | 70–79% | C |
| 540–629 pts. | 60–69% | D |
| 0–539 pts. | 0–59% | F |

The Math Study Hall

The Math Study Hall (a.k.a. MaSH) is a service provided by SCC that provides students a chance to supplement learning done in the classroom. A math faculty member, an instructional aide, or a student worker 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 do work for an on-line math class. The MaSH is located in room U-80. The hours of operation for Spring 2012 are Mondays and Wednesdays from 9 A.M. to 7:30 P.M. , Tuesdays and Thursdays from 9 A.M. to 8 P.M. , & Saturdays from 9:00 A.M. to 3:00 P.M.

To utilize the MaSH, you must enroll in Math 083L, Section #53883. This is a Pass/No Pass, Open Entry/Open Exit lab course. You will need to fulfill 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.**

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 or the old id number, 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 Darlene Diaz at 628-4958.

Free Tutoring Lab

Santiago Canyon College Tutoring & Writing Center has tutoring services that may assist you in this course. The Tutoring Center is located in U-80. They are open Monday-Thursday 8:30 A.M. -7 P.M. Feel free to call the center at (714) 628-4791 for their tutors schedules.

Attendance

You must devote at least six to eight hours per week to this class in order to be successful in this course. You are given the schedule in advance and I expect you to take responsibility for all course work and exam dates. Your attendance on exam days is pertinent to earning a passing grade in this course. If you decide to drop this course, it is your responsibility to drop online via WebAdvisor. ***** If you do not enroll or are not active in MyOpenLab within the first two weeks of the semester, you will be dropped from the course for non-participation.**



In the event you are late to class on exam days, take a seat in the row closest to the door; this row will be reserved for late students.

Student Learning Outcomes:

As result of completing this course, the student will be able to:

- ✓ Read, define and apply algebraic and functional vocabulary and symbols.
- ✓ Evaluate and perform algebraic operations on rational, radical, exponential and logarithmic 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.

Online Class Tips for Success

- ◇ Log onto MyOpenMath as soon as possible. This way if you are having trouble, I can help you sooner rather than later.
- ◇ Keep on schedule! Try to discipline yourself to stay on task and keep up with the schedule. Anytime you are in doubt, look at the calendar in MyOpenMath, or the syllabus.
- ◇ Enrolling in Math 083L, a.k.a. MASH, will give you a place to study, get help with topics, homework, and quizzes, and it will help you to stay on schedule.
- ◇ Go to the MASH, email me, or let me know as soon as possible if something does not make sense to you— *even if it is something as simple as adding fractions*. Do not be embarrassed to ask me questions. The most successful students ask questions. Questions are key.
- ◇ Do not stress. Commit yourself to passing this class and you will. You can make it through anything for 16 weeks!
- ◇ Most importantly, if at anytime you begin to feel frustrated with the online/computer side of the class, contact me ASAP! ☺
- ◇ If you become frustrated with a homework problem, contact me. I will be glad to walk you through the problem by person, phone, or email. Do not wait until you're too overwhelmed before seeking help!

Academic Dishonesty

Cheating will be dealt with as prescribed by the current Santiago Canyon College course catalog under College Policies and procedures (page 21).

Students with Disabilities and Student Athletes

Students with verifiable disabilities who want to request academic accommodations are responsible for notifying their instructor and Disabled Students Program and Service (DSPS) as early as possible in the semester. *To arrange for accommodations, contact DSPS at (714) 628-4860, (714) 639-9742(TTY) or stop by the DSPS Center in E-105.*

Final Note

By remaining enrolled, students hereby agree that they will be held responsible for items described in this outline and in the schedule. Due to unforeseen circumstances, all course items are subject to change upon my decision only. In addition, the student agrees that he/she is responsible for items in printed materials, changes to the schedule, or grading policy on an as-needed basis. Neither being active on MyOpenMath nor checking email is not a legitimate excuse for failure. Changes to the posted course materials, schedule, and/or grading policy will be announced on MyOpenMath or through email, and students are responsible for knowing about any such changes, even if these students are not reading the announcements, or does not check his/her email.

Tentative Schedule

| Week of | Date | Module | Sections | Quizzes | Exams |
|---------|-------|--------------------------|--|-------------------|-------|
| 1 | 01/23 | Orientation, Module A | <ul style="list-style-type: none"> • Order of Operations • Simplify Algebraic Expressions • Linear Equations | | |
| 2 | 01/30 | Module A | <ul style="list-style-type: none"> • Formulas • Absolute Value • Word Problems | | |
| 3 | 02/06 | Module B | <ul style="list-style-type: none"> • Inequalities • Graphing & Slope • Equations of Lines | Module A Quiz due | |
| 4 | 02/13 | Module B Module C | <ul style="list-style-type: none"> • Parallel & Perpendicular Lines • Distance Word Problems • Compound Inequalities • Absolute Value Inequalities | | |
| 5 | 02/20 | Module C | <ul style="list-style-type: none"> • System of Equations • System of Equations of 3 Variables • Value/Interest Problems • Mixture Problems | Module B Quiz due | |
| 6 | 02/27 | Module D | <ul style="list-style-type: none"> • Exponents • Scientific Notation • Polynomials • Polynomial Division | Module C Quiz Due | |
| 7 | 03/05 | Module E | <ul style="list-style-type: none"> • Greatest Common Factor (GCF) & Grouping • Trinomials • Special Products | Module D Quiz due | |

| | | | | | |
|----|-------|--------------------------|--|-------------------|----------------------------|
| 8 | 03/12 | Module E | <ul style="list-style-type: none"> • Factoring Strategy • Solve by Factoring | | MIDTERM: MODULES A-E |
| | 03/19 | <i>Happy</i> | <i>Spring</i> | <i>Break!</i> | |
| 9 | 03/26 | Module F | <ul style="list-style-type: none"> • Reduce • Multiply & Divide • Lowest Common Denominator (LCD) • Add & Subtract | | |
| 10 | 04/02 | Module G | <ul style="list-style-type: none"> • Simplify Radicals • Add, Subtract, & Multiply Radicals • Rationalize Denominators | Module F Quiz due | |
| 11 | 04/09 | Module G Module H | <ul style="list-style-type: none"> • Rationalize Exponents • Mixed Index • Complex Numbers • Equations with Radicals | | |
| 12 | 04/16 | Module H | <ul style="list-style-type: none"> • Equations with Exponents • Complete the Square • Quadratic Formula • Quadratic Inequalities | Module G Quiz due | |
| 13 | 04/23 | Module H Module I | <ul style="list-style-type: none"> • Rectangles • Compound Fractions • Rational Equations • Rational Inequalities | | |
| 14 | 04/30 | Module I Module J | <ul style="list-style-type: none"> • Work Problems • Distance/Revenue Problems • Functions • Algebra of Functions • Inverse Functions | Module H Quiz due | |

| | | | | | |
|----|-------|----------|---|-------------------|-------------------------|
| 15 | 05/07 | Module J | <ul style="list-style-type: none"> • Graphs of Quadratic Functions • Exponential Functions • Logarithmic Functions | Module I Quiz due | |
| 16 | 05/14 | Module J | <ul style="list-style-type: none"> • Logarithm Properties • Solving Logarithms & Exponential Functions | Module J Quiz due | FINAL EXAM: MODULES A-J |

Note: Quizzes are due on Tuesdays. Exams take place on Wednesdays from 7:30-9:30 P.M. in room SCC-U-86.

Other Important Dates

- ☉ February 5, 2012: *Last date to add a class with an add code.*
- ☉ February 5, 2012: *Last date to drop and NOT receive a "W" grade.*
- ☉ February 5, 2012: *Last date to drop with enrollment fee refund.*
- ☉ February 24, 2012: *Last date to file pass/no pass for full semester.*
- ☉ April 22, 2012: *Last date to drop a full-semester class with a "W" grade.*

In case you were wondering...this page was left intentionally blank!

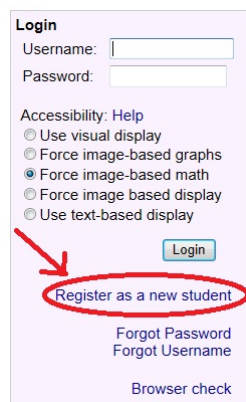
GETTING STARTED WITH *MyOpenMath*

To get started, you will need:

- A valid email address.
- The Course ID: **46**
- Enrollment Key: **57264**
- For a short document on How to get Started, go to <http://www.myopenmath.com/docs/AccessingOnlineHomeworkinWAMAP.doc>

Registering for MyOpenMath

1. Go to <http://www.myopenmath.com>.
2. Click on "Register as a new student".

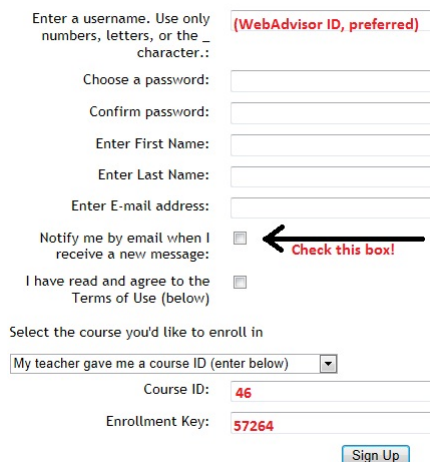


Login
Username:
Password:
Accessibility: Help
 Use visual display
 Force image-based graphs
 Force image-based math
 Force image based display
 Use text-based display

Register as a new student
[Forgot Password](#)
[Forgot Username](#)
[Browser check](#)

3. Fill out every field noting the Course Id and Enrollment Key. Please use your WebAdvisor ID and Password as your username and password. This will make it much easier for you to remember.

New User Signup



Enter a username. Use only numbers, letters, or the _ character.: (WebAdvisor ID, preferred)

Choose a password:

Confirm password:

Enter First Name:

Enter Last Name:

Enter E-mail address:

Notify me by email when I receive a new message: **Check this box!**

I have read and agree to the Terms of Use (below)

Select the course you'd like to enroll in

My teacher gave me a course ID (enter below)

Course ID: **46**

Enrollment Key: **57264**



Do not forget to accept "I have read and agree to the Terms of Use".

4. Click "Sign Up"
5. Now you can log in as a student enrolled in our course! Go to the log in page and log in with your username and password:

Login
Username:
Password:

Verify your Email

1. Go to <http://www.myopenmath.com>.
2. Log in with your username and password.
3. Click on "Account Settings".

Home | **Account Settings** | Help | Log Out

4. Verify all your information and email address.

User Info

Profile Settings

Enter First Name:

Enter Last Name:

Change Password?

Enter E-mail address:

VERIFY YOUR EMAIL & INFORMATION!



Your email is the most critical in this course. Please make sure your email address is valid so that you can receive emails from me.



EMAIL NETIQUETTE

HOW TO COMMUNICATE EFFECTIVELY WITH COLLEGE PROFESSORS

"It only takes 4 seconds to make an impression. Be remembered for your style of communication not your username."

College students need to make a good impression to their professors in the classroom, when completing homework assignments, in presenting class projects, and performing on exams. Impressions are also being formed by professors when receiving an e-mail message from a student in their class. College students must remember this is not your high school friend from home you are sending a message to; it is the person who will be recording a final grade at the end of the semester. Excellent grammar and sentence structure, appropriate word choice, and sensible organization of ones e-mail must be taken into consideration each and every time prior to hitting the send button.

Suggestions for sending a professional e-mail that will be read and responded to:

1. Appropriate Username

- Creativity can and should be appreciated, but what if one of your professors took attendance by reciting usernames and you had to raise your hand in front of other students in the class? Would you not acknowledge your presence in class and take the absence or could you say with pride "here"?
- Would you feel comfortable saying your username out loud in front of your mother, father, grandmother, etc. without being embarrassed or having a sense of shamefulness?
- Don't be remembered for your username- be remembered for the message you sent.
- Example- initials jlw@ or something unique but tasteful like sccgrad2009@.

2. Subject Line- *First and Last Name plus Course Name*

- Identify yourself as a student in your professor's class as oppose to a list serve response, fellow professors, or a SCC announcement.

Example: Jake Allison- Math 219

- Professors who teach 4 classes, serve on committees, and who conduct research receive an average of 40 emails each day.

3. Greetings/Acknowledgements- *Start the E-mail with a Sense of Respect*

- Review course syllabus to determine prefix for professor's name. If their name is given on the syllabus as Dan Jones and you unable to determine what prefix to use, to be safe, use Professor Jones.
- No matter how easy going you might perceive your professor to be, never start a message with "Hey teach!"
- A more appropriate start to an e-mail message could be something as simple but meaningful as "Hope your day is going well. Great class on Monday."

4. The Message Itself- *Be Specific and Present it in an Organized Manner*

- Get to the point, the purpose of your e-mail. Attempt to avoid long stories and presenting of scenarios or situations you find need paragraphs to explain. Sometimes it is better to talk to your professor in person then via e-mail.

- Example “I need to clarify an aspect of the assignment due next week. Would you prefer the paper double spaced or single spaced?”
- If you must turn in a homework assignment via an actual e-mail message, present material in an organized manner using spacing and breaks if necessary. You want your homework to be organized and presented in a visually pleasing way for easy of reading.

5. Concluding the Message– *End with Appreciation*

- Examples “Thank you for your time and I look forward to hearing from you soon.” or “I appreciate you taking the time to consider my request.”
- Avoid using the latest trends in signing off– LOL, TTFN, Peace, etc. Just thank you will work every time.
- Finally, rewrite both first and last name, the course name and schedule such as, Jake Allison, Math 219, Monday & Wednesday 1:30 P.M. –4 P.M.

Final Two Suggestions: Read the Message Out Loud & Hit Spell Check before Sending