

MATH D
INFO SHEET

SOWINSKI
SUMMER 2017

TIME : MTWR 11:00 AM – 1:05 PM

ROOM : V - 305

TEXT : *Intermediate Algebra 7th* edition by Blitzer ISBN 0-13-417894-3

INSTRUCTION : The usual class meeting will consist of answering questions from previous assignments, lecture, and discussion.

HOMEWORK : I will be assigning homework every class meeting, but I do not collect it. **I will not be using MyMathLab for this course; therefore, you will need to purchase a textbook.** If you purchase the text from the bookstore, be aware that it is bundled with a MML access kit. Since I won't be using it, you can do one of two things: 1) Keep it for a future course that does use MML (they aren't assigned to any one particular course), or 2) you can sell it to someone who is in a course that uses it this summer. As in any math course, homework is an essential part of the learning process. Just as an athlete must practice his sport in order to become proficient, you must be willing to put in the time practicing the problems in order to become proficient in this subject.

QUIZZES : Quizzes will be given every Tuesday and Thursday at the beginning of the class unless an exam is scheduled for that day. Please do not be late, as you will not be given any more time. The quizzes will be approximately 15 - 20 minutes in length, and you will be told the class meeting before which sections the quiz will cover. The two lowest quizzes will be dropped. **There are no make-ups on quizzes.**

EXAMS : There will be 5 exams given during the session (see the schedule for dates). Each exam is worth 100 points. You may make up exams if you give me advance notice that you will be missing a class meeting when a test will be given. In the event that you have been granted permission to take the exam at another time, you will need a student ID from Sierra in order to take the exam in the testing center.

GRADES : Grades will be assigned based on total points accumulated:

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|---------|---------------------------------------|
| Quizzes | 100 pts (a scale of the % on quizzes) |
| Exams | 500 pts |
| Final | <u>200 pts</u> |
| Total | 800 pts |

The scale I will use is as follows:

| | |
|-----------------------------|---|
| 720 - 800 pts (90% - 100%) | A |
| 640 - 719 pts (80 % - 90 %) | B |
| 560 - 639 pts (70% - 80%) | C |
| 480 - 559 pts (60% - 70%) | D |
| BELOW | F |

ATTENDANCE

: I will be taking attendance each class meeting. Mathematics is a subject that requires participation. During the class meeting as I lecture, I will often give hints as to how to study more effectively or how to solve problems in a quicker way. If you are not present for the lecture, you will be missing out on many helpful ideas not to mention the core content. It has been my experience that students who regularly miss class usually fail or withdraw. Therefore, if any student misses more than 8 hours of class (that is 4 class meeting) during the course of the semester, I **may** drop them. Be aware that leaving early from class constitutes a full class meeting absence. Sometimes, however, a student may fall through the cracks and I miss them. If it is your intention to withdraw from the course, do not assume that I have withdrawn you. You must check with the records department as to your status for the course. If I have withdrawn you, great! But if I haven't and it is your intent to withdraw, make sure to initiate the process yourself **before** the last day to withdraw. **Note the new regulations about repeating a course: You may repeat a course 3 times including withdrawals. After that, you will not be allowed to retake the class at Sierra.**

E-MAIL

: lsowinski@sierracollege.edu.

ELECTRONIC DEVICES

Cell phones tablets, and computers have become a natural part of most students' lives. However, they can be a big distraction in the classroom. Therefore, my policy is that all electronic devices must be left in your back pack. Cell phones are to be but on silence. If you are expecting an emergency call, please inform be at the beginning of the class, and I will instruct you what to do. No electronic devices are allowed during exams except regular calculators.

OFFICE HOURS:

: MTWR 10:15 – 10:45 AM in room V-329.

COURSE OUCOMES:

1. Solve equations including linear, quadratic, polynomial, rational and absolute value types, exponential, logarithmic, or radical types, and their associated applied problems.
2. Solve inequalities including linear, quadratic, polynomial, rational and absolute value.
3. Graph and perform transformations on the following: linear, quadratic, exponential, logarithmic, absolute value, cubic, and square root functions.
4. Find the equation of a line given sufficient information about the line.
5. Utilize function notation, perform operations on functions, determine if a function is invertible, and find the inverse of functions.
6. Simplify and perform computations with scientific notation.
7. Simplify and perform operations on complex numbers and solve equations with non-real solutions.
8. Simplify and perform operations on algebraic expressions including polynomials, rational expressions, complex fractions, radicals, rational and integral exponents, and logarithms.
9. Analyze polynomial expressions to determine the best approach to factoring and complete factorization using that technique.
10. Solve linear systems of equations and inequalities with two variables and applied problems associated with such systems.
11. Solve linear systems of equations with three variables and applied problems associated with such systems.
12. Analyze and determine the domain for polynomial, radical, rational, logarithmic and exponential functions.

STUDENT LEARNING OUTCOMES:

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|---|
| 1. Simplify expressions and solve equations of the following types: linear, quadratic (including some with complex solutions), rational, radical, absolute value, exponential, and logarithmic. |
| 2. Interpret and construct graphs of linear, quadratic, exponential, and logarithmic functions and their inverse functions. |
| 3. Translate, model, and solve applied problems using linear, quadratic, rational, radical, exponential, and logarithmic functions. |
| 4. Logically present clear, complete, accurate, and sufficiently detailed solutions to communicate reasoning and demonstrate the method of solving problems. |

[ACADEMIC HONESTY POLICY](#) (go to my web page and click on the link at left to view this policy)