

SYLLABUS M122
COLLEGE ALGEBRA
SPRING 2010

INSTRUCTOR: Janet Arnold

OFFICE: PS 020 D

OFFICE HOURS: Monday and Thursday 8-9

Monday, Tuesday and Wednesday 1:30-2:30

MATH LAB: Tuesday and Wednesday 8:00-9:00 am

PHONE: 941-2186 or call me at home 426-8282 (502).

E-MAIL: jakarnol@ius.edu *If you need to contact me, please use this address.*

WEB PAGE <http://homepages.ius.edu/JAKARNOL/Homepage%20M122.html>
You can find notes for class, practice exams and a review for the Final.

TEXT: College Algebra in Context by Harshbarger and Yocco, 3rd edition; Addison-Wesley, 2010.

MyMathLab (required): An online homework, tutorial, and assessment system. An access code will be bundled with new textbooks purchased at the bookstore or can be purchased separately at www.coursecompass.com

CALCULATOR: A calculator is required. TI-83 or 84 is preferred. TI-89 or similar are NOT allowed because they have algebraic systems.

COURSE OBJECTIVES: By the end of this course, students should be able to:

- Analyze and interpret functions and graphs.
- Solve linear, quadratic, radical, exponential, logarithmic, polynomial and rational equations and inequalities
- Use algebra to solve real life applications from business and economics, life and social sciences.
- Model data using linear, quadratic, power, exponential, logarithmic, logistic, cubic, and quartic functions.
- Use graphing calculator technology to solve problems and model data.

PREREQUISITE: M117 Intermediate Algebra or placement by exam.

- GRADING:** You will be graded on exams, class-work/homework, quizzes, and a final. Exams are worth 50% of your grade, quizzes are worth 7% of your grade, homework/class-work is worth 18 % of your grade, and the final is worth 25% of your grade. One half of your final exam grade **may** be used to replace your lowest test grade (**you can raise a test by as much as 20 points**) if **you do not miss an exam and do not miss more than 2 classes.** **Students who score below 60% on the final may not receive a grade higher than a “C” for the course.**
- GRADING SCALE:** 97-100 is an A+, 92-96 is an A, 90-91 is an A-, 87-89 is a B+, 82-86 is a B, 80-81 is a B-, 77-79 is a C+, 72-76 is a C, 70-71 is a C-, 67-69 is a D+, 62-66 is a D, 60-61 is a D-, anything below 60 an F.
- QUIZZES:** You will be given a quiz about once a week. The lowest (one or two) quiz will be dropped if you do not miss any. **THERE ARE NO MAKE UPS ON QUIZZES.** You must attend class. Some quizzes may be assigned ONLINE (Course Compass).
- EXAMS:** Four exams worth 100 points will be given. Check your syllabus for the dates. If you have specific physical, psychological or learning disabilities and require accommodations, please let me know early in the semester so that your learning needs may be appropriately met. You will need to provide documentation of your disability to the Coordinator of Disability Services located in University Center South Room 006, 941-2243. Additional information about the Office of Services for Students with Disabilities may be obtained at:
<http://www.ius.edu/ASC/DisabilityServices/>
- FINAL:** A comprehensive final will be given during final week. This final **MUST** count at least 25% of your final grade. **Study for it!!!** **If you fail the final exam (below 60%), the maximum course grade is a C. The review for the final exam can be found at:**
<http://homepages.ius.edu/pmiller/ReviewForFinals.htm>
- ATTENDANCE POLICY:** Attendance is a key factor in academic success. Class attendance is required. Illness is usually the only acceptable excuse for absence from class. Other absences must be explained to the satisfaction of the instructor, who will decide whether missed tests may be made up. A student absent from class bears full responsibility for all material covered in class. **Please call or email me when you need to be absence.**

EXPECTATIONS: Students are expected to **ATTEND CLASS, DO ALL ASSIGNMENTS** on Course Compass and from the book, read the book, and be **considerate** of everyone in the classroom. **No cell phone during class and especially during a test.**

STUDYING: This is a **college** class and is much different than high school. We cover a **lot of material and have limited time in class.** **You should expect to spend at least two (2) hours studying outside of class for each (1) hour spent in class.** You cannot expect to master the material from just seeing it explained and working in class. An important part of your learning of the material will be the time you spend working out of class.

MAKE UP POLICY Only EXAMS may be made up. If you miss an exam, call the teacher **BEFORE** the time of the exam to arrange to make it up. Make up exams may be given if there is good cause. Make up exams will only be allowed when the teachers gives prior permission. **If a test is missed without prior permission, or if the student fails to make up the test by the next class, then the final may (teacher discretion) be counted in place of the exam. Make ups will be given in the Math Resource Lab PS 015. It is the student's responsibility to check for times that an instructor will be present to give the exam. You will need to provide a picture ID in order to take a test in the lab. You can check the schedule at: <http://www.ius.edu/mathlab/>**

HOMEWORK: The Course Compass homework must be completed in one class period. **DO NOT WAIT UNTIL THE LAST MINUTE TO DO YOUR ONLINE HOMEWORK.** You can use the computers at school, if your home computer is not working. If you miss the due date you will receive no credit for that assignment. Due date may be extended, but you must come to my office to discuss the reasons for the extension.

You must keep a notebook with all your homework (both Course Compass and from the book). Each section will also have problems assigned from the book. You can find these problems at the bottom of each lesson. **YON NEED TO DO BOTH TO BE PROPERLY PREPARED FOR THE EXAMS.**

GROUPWORK CLASSWORK: We will be doing work in class. **You must be present in order to obtain these points.**

WITHDRAWALS: The last day to withdraw from class is March 19.

CHAPTERS: We will be covering sections Chapter 1 thru 6

EXTRA HELP

MATH LAB: The Mathematics Resource Laboratory is in PS 015. The telephone number is 941-2670. The schedule is outside the door and on the web site at <http://www.ius.edu/mathlab> . Computer software is available in the lab. Students may walk in and use the facilities at anytime free of charge (without an appointment). The math lab is an excellent source for free tutoring.

PRIVATE TUTORS: The Student Development Office UCS 203 offer private tutors for a small (about \$5.00 nonrefundable and paid in advance) fee. If you are interested call 941-2312 early in the semester. For more information go to: <http://www.ius.edu/sdc/main/assist1.htm>

Bad Weather Policy: When there is bad weather in the area, a decision is made about whether the campus should be closed or open on a delayed schedule as soon as possible. The decision is independent of the decisions of school corporations and the other colleges in the area. Off-campus classes do not meet if campus is closed or if the school building in which they are held is closed.

Delay Schedule:

Monday through Friday classes:

8 a.m. classes meet from 10 a.m. until 10:55 a.m.
9:30 a.m. classes meet from 11 a.m. until 11:55 a.m.
11 a.m. classes meet from 12 noon until 12:55 p.m.
Other classes meet at regular times.

aturday Classes:

Morning classes meet from 10:30 a.m. until 12 noon.
Afternoon classes meet at regular times.

HOMEWORK FROM BOOK-You can find the homework from each section at the bottom of each lesson. The lessons are on my web page:

<http://homepages.ius.edu/JAKARNOL/Homepage%20M122.html>

TENTATIVE SCHEDULE

SECTION	DATE MW	DATE TR
1.1 & 1.2	1-11	1-12
1.3 & 1.4	1-13	1-14
2.1 & 2.3	1-20	1-19
2.2 & 2.4	1-25	1-21
Review	1-27	1-26
EXAM 1	2-1	1-28
3.1 & 3.2	2-3	2-2
3.3 & 3.4	2-8	2-4
4.1 & 4.2	2-10	2-9
4.2 & 4.3	2-15	2-11
4.4	2-17	2-16
Review	2-22	2-18
EXAM 2	2-24	2-23
5.1	3-1	2-25
5.2	3-3	3-2
5.3	3-8	3-4
5.3	3-10	3-9
Review & 5.4	3-15	3-11
EXAM 3 S 5.1 – 5.3	3-17	3-16
5.4 & 5.5	3-29	3-18
5.5 & 5.7	3-31	3-30
6.1 & 6.2	4-5	4-1
6.3 & 6.5	4-7	4-6
6.5 & 6.6	4-12	4-8
Review	4-14	4-13
EXAM 4	4-19	4-15
Review for Final	4-21	4-20
Review for Final	4-26	4-22
FINAL	5-3	4-29

