

Math 101 Fall 2004
Section B
TR 1:00mm-1:50pm Science 151

Professor: Andrew Diener
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OFFICE HOURS: 2-5pm MTWR.

TEXT: *Interactive Mathematics Personal Academic Notebooks* published by Academic Systems.

A set of CD-ROMs accompanies the site-license fee payable at the bookstore. A receipt showing the paid license fee must be presented to the teacher on or before the third class meeting. These disks can be used on the classroom computers and/or at your home computer if you have the proper Internet configuration. The license fee also includes the *Notebook* (mentioned above) that is an integral part of the the course. Headphones are needed for this course however for sanitary reasons they are not supplied so you must bring your own.

COURSE CONTENT: (by catalog) The course gives the student fundamental quantitative and algebraic skills needed in other mathematics and science courses. Topics include: equations and inequalities, absolute value, linear systems, exponents, factoring, rational expressions, rational exponents, quadratic equations and functions. Prerequisite: one year of high school algebra.

HOMEWORK: A list of suggested homework problems will be given during each class period. I do expect that you will attempt *all* homework problems. I will grade some, though not all, of these problems. Any homework **must** be turned in using the proper format and on time. NO late (or incorrectly formatted) homework will be accepted. The computer will assign you homework based on your work in that lesson. Computer assigned homework will NOT be graded but is very good for extra practice in areas in which you are weak.

QUIZZES: At the end of each computer lesson you will complete a quiz that is graded by the computer. You are expected to take these quizzes on your own, without help from books, notes or other students. You may take each quiz up to three(3) times. If you are taking the quiz at another location, please print off a copy of the quiz for your records. If you do not log off at the end of your computer session all your work will be lost. Quizzes **Can Not** be saved in the middle of a session. So make sure you have enough time to complete a quiz before you begin. There will be a two week period during which you may take

your three attempts at the quiz, at the end of those two weeks your grade is put in my gradebook and cannot be changed.

TESTS: There will be four in-class exams, each exam worth 100 points, and a comprehensive final exam worth 200 points. **I will not curve your test grades.** If you miss a test for any reason, you need to notify me **no later** than the day after the test to set up a time for a make-up.

ATTENDANCE: I assume that you are adults. You have paid (a Lot of) money for the privilege of attending this class but if you decide that you don't wish to do so I don't object. I will be passing around roll sheets for the class but these roll sheets are only for the purposes of finalizing the registrar's lists.

SCHEDULE:

Topic	Section	Comments	Quiz Dates
Equations and Inequalities	EII.C		08/27
Introduction to Graphing	3.1		08/30
Graphing Equations	4.1		09/01
Graphing Equations	4.2		09/06
Test One		September 10	09/10
Solving Linear Equations	5.1		09/13
Solving Linear Equations	5.2		09/15
Exponents	6.1		09/20
Exponents	6.2		09/22
Exponents	6.3		10/27
Test Two		October 1	10/01
Factoring	7.1		10/04
Factoring	7.2		10/06
Factoring	7.3		10/11
Rational Expressions	8.1		10/13
Rational Expressions	8.2		10/25
Rational Expressions	8.3		10/27
Unscheduled	Catchup and Review		10/04
Test Three		November 5	11/05
Rational Exponents	9.1		11/08
Rational Exponents	9.2		11/10
Quadratic Equations	10.1		11/15
Quadratic Equations	10.2		11/17
Functions	11.1	no quiz	11/22
Unscheduled	Catchup and Review		11/30
Test Four		December 4	12/04

GRADING: 100-90%=A, 90-80%=B, 80-70%=C, 70-60%=D, 60% and below is an F.

To receive credit for this class you **MUST** pass the MAA placement test with a 15 or better. You may take the placement exam at any time after spring break. You have three chances to pass the exam with a 15 or better.

System Requirements: If you want to install this software on your home computer you will need a system with the following minimum requirements.

CPU	Pentium (or equivalent)	(NT Workstation requires a minimum paging file size of 128MB)
RAM	32 MB (64MB recommended)	
Video	Capable of 16-bit (High-color)	800x600 minimum resolution
Sound Card	Amplified Sound Blaster Compatible	Must be amplified
Network or Internet Access	10 baseT Ethernet campus connection	Must have Microsoft TCP/IP Netscape Navigator 4.x or Microsoft Internet Explorer 4.x or higher
CD-ROM	4X IDE	Must use 32 bit drivers
Hard Drive	150 MB uncompressed free space	

SCHOLASTIC DISHONESTY WILL NOT BE TOLERATED! You are responsible for doing your own work. Any violation of this principle will result in a zero grade on the work in question.