

# NORTH CENTRAL TEXAS COLLEGE



## COURSE SYLLABUS

<b>Course Name &amp; Number</b>	College Algebra Math 1314	<b>Semester &amp; Year</b>	Fall 2009
<b>Instructor's Name</b>	Ken Schultz	<b>E-mail</b>	kschultz@nctc.edu
		<b>Office Hours</b>	TBD

### **Catalog Description**

*Prerequisite: MATH0310 or satisfactory placement test score*  
48 lecture hours.....3 credit hours  
Equations and inequalities; functions and graphs; polynomial functions; exponential and logarithmic functions; systems of equations;  
sequences and series; applications.

### **Textbooks & Materials Required / Recommended**

Thinkwell.com CDROM package and website access. ISBN 1605380040  
(This can be purchased in the bookstore or online at thinkwell.com)  
Internet access.  
TI-30X II calculator. **No graphing calculators allowed.**

### **Learning Objectives**

Upon successful completion of the course the student will be able to:

- simplify algebraic expressions;
- solve linear equations and inequalities;
- solve quadratic and other basic equations;
- solve variation problems;
- graph polynomial and rational equations;
- write the equations of basic algebraic relations and functions;
- evaluate and graph exponential and logarithmic functions;
- solve exponential and logarithmic equations;
- solve systems of equations;
- perform matrix operations;
- evaluate arithmetic and geometric sequences and series;
- apply algebraic and higher-order thinking to model and solve real-world problems;
- use scientific calculator to solve mathematical problems and judge the reasonableness of the results.

***Grading Policy & Procedures***

90-100%	A
80-89%	B
70-79%	C
60-69%	D
less than 60%	F

Total 500 points

There will be 4 exams (including the final exam) each worth 100 points. For the exam's you will need to bring the following every time:

- 1 #2 pencil
- 2 Picture ID (you WILL NOT be allowed to test without this)
- 3 Calculator (NO GRAPHING CALCULATORS ALLOWED)

No retests or make-up tests will be given under any circumstances. Please see the box below for the testing schedule.

You will regularly be assigned homework both in Angel and in Thinkwell.

***Homework and Test Policy***

There will be 4 tests given throughout the semester, 3 during the course of the semester and the final exam. Each week you will be assigned sections to be covered. Within each section are "Thinkwell Exercises" that must be completed and a Quiz due each Friday. 80% of your grade will be made up of the top 4 of the following 5 grades (Test 1, Test 2, Test 3, Thinkwell Exercises and Quizzes). The remaining 20% of your grade will be the final exam. No late work or tests will be accepted under ANY circumstances. As stated above, you have the ability to replace your lowest test grade with either the Quizzes or Thinkwell Exercises, thus it is in your best interest to make sure you complete these.

Each of the tests will contain a mixture of multiple choice and short answer questions. The primary testing time for each test will be on Saturday from 10am – 12pm (noon) and the test will be administered on the Corinth campus in room 314. It will be proctored by an online algebra instructor.. There is a form in Angel which must be filled out and mailed or faxed to me if you would like to get an external proctor approved. You may be asked to provide an explanation and/or documentation as to why you can not make one of the on-campus test times.

***Tentative Calendar***

The four exams will be given on the following dates from 10am-12pm (Saturday) on the Corinth campus (room 314):

September 26  
October 24  
November 21  
December 5

Note: Test dates subject to change

***Scholastic Integrity***

Scholastic dishonesty shall include, but not be limited to cheating on a test, plagiarism, and collusion. See *Student Handbook* “Student Rights & Responsibilities: Student Conduct [FLB-(LOCAL)]” #18.

***ADA Statement***

North Central Texas College does not discriminate on the basis of disability for admission or access to its programs. The College is committed to providing equal access to its students with disabilities by providing appropriate accommodations; a variety of services and resources are made available through the ACCESS Department. Students are responsible for notifying the ACCESS Department of their need for assistance. Students with documented disabilities, such as mobility impairment, hearing or visual impairment, learning, and/or psychological disorders are eligible for services.

information online at

[http://www.nctc.edu/Student\\_Services/Access/Access\\_program.html](http://www.nctc.edu/Student_Services/Access/Access_program.html).

**ACCESS Program:**

The ACCESS Program provides accommodations for students who have a documented disability. A disability is anything that can interfere with learning, such as a learning disability, psychological challenge or physical illness or injury. Accommodations may include extra time on tests, tests in a non-distracting environment, note taker in class, etc. On the Corinth Campus, contact: Robin Truhe ([rtruhe@nctc.edu](mailto:rtruhe@nctc.edu), 940-498-6207) or Penny Cogbill ([pcogbill@nctc.edu](mailto:pcogbill@nctc.edu), 940-498-6212) or Nicole Walton ([nwalton@nctc.edu](mailto:nwalton@nctc.edu), 940-498-6224 in Suite 170. On the Gainesville and Bowie Campuses, contact Yvonne Sandmann ([ysandmann@nctc.edu](mailto:ysandmann@nctc.edu), (940) 668-7731 ext. 4321) in Room 112.

***EEOC Statement***

North Central Texas College does not discriminate on the basis of race, color, national origin, gender, religion, age, or disability in the employment or the provision of services.

***Other Pertinent Information***

Schedules of homework due dates and test dates will be on the calendar in Angel and on documents found in Angel under the *Lessons* tab. Each student will be able to view their test grades in Angel. Angel can be accessed at <http://206.53.229.168>. You will need your username and password to access Angel. Your username is your Network Account ID and your password is your social security number unless you have changed it. You can access *Campus Connect* via NCTC's web page, [www.nctc.edu](http://www.nctc.edu), and then look under *Demographic Data* to access your Network Account ID. Be sure to change your password and your email address (if it is not correct) as soon as you get into Angel. **There is an online orientation set up in Angel. You will find it on your Angel homepage unless you have completed it in a previous semester. It must be completed or you may be dropped from the course. Students who have completed the orientation during a previous semester will not be required to complete it again.**

Video lectures are contained on the Thinkwell website at [www.thinkwell.com](http://www.thinkwell.com). Lecture notes and homework are also on the thinkwell.com website. You will need to register with thinkwell using the access code which can be purchased either in the NCTC bookstore or on the Thinkwell website. The lectures on the videos are done by Edward Burger, but any questions should be directed me. Please use the e-mail utility found in Angel under the *Communication* tab for all course related communication. If you have questions feel free to email me the question. We can meet in the chat room as well if it helps.

If you need technical support for thinkwell, you may contact them toll-free at 1-888-416-8880 or by email at [techsupport@thinkwell.com](mailto:techsupport@thinkwell.com).

If you need technical support for Angel, contact [nctcangel@nctc.edu](mailto:nctcangel@nctc.edu).