

**University of North Texas at Dallas**  
**SPRING 2013**  
**SYLLABUS**

MATH 1100.091		COLLEGE ALGEBRA		3Hrs
<b>Department of</b>	Mathematics and Information Sciences	<b>Division of</b>	Liberal Arts & Life Sciences	
<b>Instructor Name:</b>	Dr. Noureen Khan			
<b>Office Location:</b>	DAL2- 223			
<b>Office Phone:</b>	972 338 1567			
<b>Email Address:</b>	<a href="mailto:noureen.khan@unt.edu">noureen.khan@unt.edu</a>			
<b>Office Hours:</b>	Tuesday & Thursday 10: 00 am – 11: 30 am Wednesday 10: 00 am – 1 : 00 pm or by appointment.			
<b>Class Meeting</b>	Tuesday & Thursday 1: 00 pm - 2: 20 pm			
<b>Classroom Location:</b>	DAL2 - 212			
<b>Math Lab</b> <i>DAL1, 3rd floor</i>	Math Lab is an open lab, where you can do your math homework and also make an appointments for Individual Tutoring or Group Study Sessions. You can make online appointments at <a href="http://dallas.unt.edu">http://dallas.unt.edu</a> under the ' <i>Advising and Tutoring</i> ' tab.			
<b>Course Catalog Description:</b>	Quadratic equations; systems involving quadratics; variation, ratio and proportion; progressions; the binomial theorem; inequalities; complex numbers; theory of equations; determinants; partial fractions; exponentials and logarithms.			
<b>Prerequisites:</b>	Two years of high school algebra and one year of geometry, and consent of department.			
<b>Required Text &amp; Software</b>	<b>College Algebra, 9th Edition, by Michael Sullivan and My Math Lab (MML) software.</b>  The MML course ID for this class is: <u><b>khan82745</b></u>			
<b>Access to Learning Resources:</b>	UNT Dallas Library: phone: (972) 780-3625; web: <a href="http://www.unt.edu/unt-dallas/library.htm">http://www.unt.edu/unt-dallas/library.htm</a> UNT Dallas Bookstore: phone: (972) 780-3652; e-mail: <a href="mailto:1012mgr@fhcg.follett.com">1012mgr@fhcg.follett.com</a>			

<b>WEB ACCESS REQUIRED: Homework Assignment Service</b>	My Math Lab (MML) is an online course delivery platform where students access and complete assignments. MML is a required component of this course. Students may access MML at any general access lab on campus. <b>Students not registered with MML by 2<sup>nd</sup> week of class may be administratively dropped with the possibility of no refund.</b> Students can use <a href="http://www.coursecompass.com">www.coursecompass.com</a> website to get any Information regarding the purchase and registration to MyMathLab. MyMathLab (MML) offers <b>fourteen (14) days free trial</b> to registered students and they can start working immediately.
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**Course Evaluation Methods:**

This course will utilize the following instruments to determine student grades and proficiency of the learning outcomes for the course.

- My Math Lab Home Work (10 HWs)
- Quizzes (5 quizzes)
- Tests – Three in-class tests
- Final Exam – Comprehensive Final Exam.

**Grading Matrix:**

Instrument	Value (percentages)	Value (Points)
MML Homework	15%	60
Quizzes	20%	80
Test Average	45%	180
<b>Final Exam (Comprehensive)</b>	20%	80
<b>Total:</b>	<b>100%</b>	<b>400</b>

**Grade Determination:**

Grade	Percentage %	Points
A	90 or better	360 or more
B	80 – 89	320 – 359
C	70 – 79	280 – 319
D	60 – 69	240 – 279
F	less than 60	239 or less

**Calculator Policy:**

This course **REQUIRES** a graphing calculator; TI 83 or TI 84 is recommended. You are expected to bring your calculator to each class meeting.

<b>Course Objectives:</b>	
	The goal of this course is to introduce students to sets, logic, number theory, algebra, linear programming, probability and statistics.
<b>Learning /Outcomes:</b>	
Upon successful completion of this course, the student will be able to	
1	Represent functions in different ways, and distinguish between a relation and a function
2	Demonstrate the ability to graph polynomial, rational, exponential and logarithmic functions
3	Demonstrate the ability to model various applications using algebraic and transcendental functions
4	Solve systems of equations using determinants
5	Identify linear and nonlinear equations and solve them using appropriate methods
6	Use Binomial Theorem and partial fractions
<b>Course Outline</b>	
<b>Major Course Topics:</b>	
<ul style="list-style-type: none"> <li>• Quadratic equations;</li> <li>• Systems involving quadratics;</li> <li>• Variation, ratio and proportion;</li> <li>• Inequalities;</li> <li>• Complex numbers;</li> <li>• Theory of equations;</li> <li>• Partial fractions;</li> <li>• Exponentials and logarithms.</li> </ul>	
<b>Class room Policies:</b>	
<i>Come prepared!</i> This includes bringing textbook, notebook, pencils, eraser, & calculator etc.	
Use of Cell Phones & other Electronic Gadgets (Laptops, IPADS, etc.) other than class related work is prohibited in the classroom.	
Print your name (DO NOT SIGN) on the quizzes and tests.	
Eating or drinking is not allowed during lectures.	
Calculator is required in every class, but it can't be shared during tests.	
Do not expect Extra Credit assignments!	
<b>No cheating will be tolerated.</b> Anyone caught cheating will receive an <b>F</b> for the course. Cheating includes receiving help from anyone or anything that is not allowed during testing.	

NOTE: This schedule is subject to change by the instructor at any time.  
 Any changes to this schedule will be communicated by email and in-class announcements

	<b>Tuesday</b>	<b>Thursday</b>	<b>TOPICS</b>
Week 1 Jan 14 & Jan 16			Syllabus, My Math Lab, Pre Test
Week 2 Jan 21 & Jan 23			<u>Chapter 1</u> Equations and Inequalities
Week 3 Jan 28 & Jan 30		<i>Quiz #1</i>	<u>Chapter 1</u> Equations and Inequalities
Week 4 Feb 04 & Feb 06			<u>Chapter 2</u> Functions and Their Graphs
Week 5 Feb 11 & Feb 13		<i>Quiz #2</i>	<u>Chapter 2</u> Functions and Their Graphs
Week 6 Feb 18 & Feb 20		<b>Exam #1</b>	
Week 7 Feb 25 & Feb 27			<u>Chapter 3</u> Linear and Quadratic Functions
Week 8 Mar 04 & Mar 06		<i>Quiz #3</i>	<u>Chapter 3</u> Linear and Quadratic Functions
Week 9 Mar 11 & Mar 13			<u>SPRING BREAK</u>
Week 10 Mar 18 & Mar 20			<u>Chapter 4</u> Variation & Polynomials
Week 11 Mar 25 & Mar 27		<i>Quiz #4</i>	<u>Chapter 4</u> Variation & Polynomials
Week 12 Apr 01 & Apr 03		<b>Exam #2</b>	
Week 13 Apr 8 & Apr 10			<u>Chapter 5</u> Exponentials and Logarithms
Week 14 Apr 15 & Apr 17		<i>Quiz #5</i>	<u>Chapter 5</u> Exponentials and Logarithms
Week 15 Apr 22 & Apr 24		<b>Exam #3</b>	<u>Chapter 8</u> System of Equations
Week 16 Apr 29 & May 01			<b>Review Final Exam</b>
Week 17 May 08			<b>FINAL EXAM</b> 1: 00 pm – 3:00 pm

## **University Policies and Procedures:**

### **Students with Disabilities (ADA Compliance):**

*Any student requesting academic accommodations based on a disability are required to register with Disability Services each semester. A letter of verification for approved accommodations can be obtained from this office. Please be sure the letter is delivered to me as early in the semester as possible. Disability Services is located in the Student Life Office in DAL2, Suite 200 and is open 8:30 a.m. – 5:00 p.m., Monday through Friday. The phone number is (972) 338-1775.*

### **Student Evaluation of Teaching Effectiveness Policy:**

*The Student Evaluation of Teaching Effectiveness (SETE) is a requirement for all organized classes at UNT. This short survey will be made available to you at the end of the semester, providing you a chance to comment on how this class is taught. I am very interested in the feedback I get from students, as I work to continually improve my teaching. I consider the SETE to be an important part of your participation in this class.*

### **Academic Integrity:**

*Academic integrity is a hallmark of higher education. You are expected to abide by the University's code of conduct and Academic Dishonesty policy. Any person suspected of academic dishonesty (i.e., cheating or plagiarism) will be handled in accordance with the University's policies and procedures. Refer to the Student Code of Conduct at [http://www.unt.edu/csrr/student\\_conduct/index.html](http://www.unt.edu/csrr/student_conduct/index.html) for complete provisions of this code.*

### **Bad Weather Policy:**

*On those days that present severe weather and driving conditions, a decision may be made to close the campus. In case of inclement weather, call UNT Dallas Campuses main voicemail number (972) 780-3600 or search postings on the campus website [www.unt.edu/dallas](http://www.unt.edu/dallas). Students are encouraged to update their Eagle Alert contact information, so they will receive this information automatically.*

### **Attendance and Participation Policy:**

*The University attendance policy is in effect for this course. Class attendance and participation is expected because the class is designed as a shared learning experience and because essential information not in the textbook will be discussed in class. The dynamic and intensive nature of this course makes it impossible for students to make-up or to receive credit for missed classes. Attendance and participation in all class meetings is essential to the integration of course material and your ability to demonstrate proficiency. Students are responsible to notify the instructor if they are missing class and for what reason. Students are also responsible to make up any work covered in class. It is recommended that each student coordinate with a student colleague to obtain a copy of the class notes, if they are absent. **Excessive absences (more than 3 classes, with or without excuse) may result in being dropped from the class or receiving an F for the course.***

### **Diversity/Tolerance Policy:**

*Students are encouraged to contribute their perspectives and insights to class discussions. However, offensive & inappropriate language (swearing) and remarks offensive to others of particular nationalities, ethnic groups, sexual preferences, religious groups, genders, or other ascribed statuses will not be tolerated. Disruptions which violate the Code of Student Conduct will be referred to the Center for Student Rights and Responsibilities as the instructor deems appropriate.*