

**University of North Texas at Dallas**  
**Summer - 2016**  
**SYLLABUS**

MATH 1100.001	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>	M T W R	12: 00 pm – 12: 30 pm Or by appointments.	
<b>Class Meeting</b>	M T W R	10: 00 am - 11:50 am	
<b>Classroom Location:</b>	DAL2 (Founders) - 242		
<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 (days and times vary).		
<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. A grade of C or better in MATH 1100 is required when MATH 1100 is a prerequisite for other mathematics courses.		
<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: <span style="float: right;"><b>khan55438</b></span>		
<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 first 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>free trial</b> to registered students and you can start working immediately.		

<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@fhg.follett.com">1012mgr@fhg.follett.com</a>
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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
- Short Quizzes
- Midterm Test
- Final Exam – Comprehensive

<b>Grading Matrix:</b>		<b>Grade Determination:</b>	
Instrument	Value (%)	Grade	Percentage %
MML Homework	20%	A	90 or better
Quizzes	30%	B	80 – 89
Midterm Test	20%	C	70 – 79
<b>Final Exam</b> (Comprehensive)	30%	D	60 – 69
<b>Total:</b>	<b>100%</b>	F	less than 60

**Calculator Policy:**  
 GRAPHING CALCULATOR: TI 83, TI 83 Plus, TI 84, TI 84 Plus or equivalent.

**Course Objectives:**

The goal of this course is to introduce students to 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.

**Learning /Outcomes:**  
 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 sequences and the Binomial Theorem.

**Class room Policies:**

- ***Come prepared!*** 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 and student ID on all course assignments.
  - Eating or drinking is not allowed during lectures.
  - Graphing calculator is required in every class.
  - Do not expect Extra Credit assignments!
- No cheating will be tolerated. Anyone caught cheating will receive an **F** 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>Monday</b>	<b>Tuesday</b>	<b>Wednesday</b>	<b>Thursday</b>
<b>Week 1</b>	Syllabus, Pre Test  Equations and Inequalities	Equations and Inequalities <i>Quiz #1</i>	Equations and Inequalities <i>Quiz #2</i>	Functions and Graphs  <i>Quiz #3</i>
<b>Week 2</b>	Functions and Graphs <i>Quiz #4</i>	Functions and Graphs <i>Quiz #5</i>	Linear and Quadratic Functions <i>Quiz #6</i>	Linear and Quadratic Functions <i>Quiz #7</i>
<b>Week 3</b>	Rational Functions <i>Quiz #8</i>	Rational Functions <i>Quiz #9</i>	<i>Exam 1</i>	Exponentials and Logarithms
<b>Week 4</b>	Exponentials and Logarithms <i>Quiz #10</i>	Exponentials and Logarithms <i>Quiz #11</i>	Sequences and The Binomial Theorem <i>Quiz #12</i>	Sequences and The Binomial Theorem <i>Quiz #13</i>
<b>Week 5</b>	System of Equations <i>Quiz #14</i>	System of Equations <i>Quiz #15</i>	<b>Review</b> <b>Final exam</b>	<b>FINAL EXAM</b>

## **University Policies and Procedures:**

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

The University of North Texas at Dallas makes reasonable academic accommodation for students with disabilities. Students seeking accommodations must first register with the Disability Services Office (DSO) to verify their eligibility. If a disability is verified, the DSO will provide you with an accommodation letter to be delivered to faculty to begin a private discussion regarding your specific needs in a course. You may request accommodations at any time, however, DSO notices of accommodation should be provided as early as possible in the semester to avoid any delay in implementation. Note that students must obtain a new letter of accommodation for every semester and must meet/communicate with each faculty member prior to implementation in each class. Students are strongly encouraged to deliver letters of accommodation during faculty office hours or by appointment. Faculty members have the authority to ask students to discuss such letters during their designated office hours to protect the privacy of the student. For additional information see the Disability Services Office website at <http://www.untdallas.edu/disability>. You may also contact them by phone at 972-338-1777; by email at UNTDdisability@untdallas.edu or at Founders Hall, room 204. (UNTD Policy 7.004)

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

Student's evaluations of teaching effectiveness is a requirement for all organized classes at UNT Dallas. 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 students' evaluations 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 Academic Integrity 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 Academic Integrity (Policy 7.002) at [http://www.untdallas.edu/sites/default/files/page\\_level2/pdf/policy](http://www.untdallas.edu/sites/default/files/page_level2/pdf/policy). Academic dishonesty includes, but is not limited to, cheating, plagiarizing, fabrication of information or citations, facilitating acts of dishonesty by others, having unauthorized possession of examinations, submitting work of another person or work previously used without informing the instructor, or tampering with the academic work of other students.

### **Bad Weather Policy:**

Campus facilities will close and operations will be suspended when adverse weather and/or safety hazards exist on the UNTD campus or if travel to the campus is deemed dangerous as the result of ice, sleet or snow. In the event of a campus closure, the Marketing and Communication Department will report closure information to all appropriate major media by 7 a.m. For more information please refer to <http://www.untdallas.edu/police/resources/notifications>

### **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. Please refer to Policy 7.005 Student Attendance at <http://www.untdallas.edu/hr/upol>*

### **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. (UNTD Policy 7.001)*