


**University of North Texas at Dallas**  
**Spring 2016**  
**SYLLABUS**

MATH 1100.030		<b>COLLEGE ALGEBRA</b>		3Hrs
<b>Department of</b>	Mathematics and Information Scs.	<b>School of</b>	Liberal Arts & Life Sciences	
<b>Instructor Name:</b>	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> Please use UNTDallas email account and include Class/Section in subject line.			
<b>Office Hours:</b>	Monday & Wednesday	11: 30am – 02: 30pm	or by appointment.	
<b>Virtual Hours:</b>	Thursday	12:00pm – 2:00pm		
<b>On Campus Class Meetings</b>	1. Monday, March 07 <sup>th</sup> (Mid Term Exam) <b>12:00pm – 2:00pm</b> 2. Monday, May 09 <sup>th</sup> (Final Exam) <b>12:00pm – 2:00pm</b>			
<b>Room Location:</b>	<b>TBD</b>			
<b>Math Lab</b> <i>DAL1, 3rd floor</i>	UNT Dallas Math Lab located in DAL 1- 3rd floor, is an open lab where you can do your math homework and also make an appointment 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 'Advising and Tutoring' tab.			
<b>Course Catalog Description:</b>	Quadratic equations; systems involving quadratics; variation, ratio and proportion; progressions; 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.			
<b>Text Book:</b>		<ul style="list-style-type: none"> <li>• College Algebra, 9th Edition, Michael Sullivan, ISBN-10: 0321755987</li> <li>• <b>MyMathLab (MML) software (required).</b> Electronic text book is included (free) in MyMathLab.</li> </ul>		
<b>Required Online Assignment Service</b>	MyMathLab(MML) software is the main platform for this course, providing online versions of class assignment and self-paced learning service. Students can sign up for two week FREE TRIAL, use course ID: <b>khan62151</b> . First time users must login in to UNT Blackboard account to access MyMathLab. For SUPPORT fast assistance; choose chat to “talk” to a technical support person. Students can also call 1-800-677-6337 for assistance from Pearson, ask their instructor or <a href="http://247pearsoned.custhelp.com">http://247pearsoned.custhelp.com</a> .			

<b>Access to Learning Resources:</b>	UNT Dallas Library: phone: (972) 780-3625 <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@fheg.follett.com">1012mgr@fheg.follett.com</a>
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**Course Evaluation Methods:** Following instruments are used to determine student grades and proficiency of the learning outcomes for the course.

- Home Work and Study Plans (MyMathLab)
- Short Quizzes and Chapter Tests (MyMathLab)
- Mid Term Exam –
- Final Exam (Comprehensive)

**Grading Matrix:**

Instrument	Value (percentages)	Grade Determination:	
		Grade	Percentage %
Homework	15%	A	90 or better
Study Plans	10%	B	80 – 89
Quizzes	10%	C	70 – 79
Chapter Tests	20%	D	60 – 69
<b>Mid Term Exam</b>	20%	F	less than 60
<b>Final Exam (Comprehensive)</b>	25%		
<b>Total:</b>	<b>100 %</b>		

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

**Course Objectives:**

The goal of this course is to introduce students to sets, logic, number theory, algebra, linear programming, probability and statistics.

**Learning /Outcomes:**

- Upon successful completion of this course, the student will be able to
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|---|---|
| 1 | Represent functions in different ways, and distinguish between a relation and a function      |
| 2 | Demonstrate the ability to graph basic functions like, polynomial, rational, exponentials.    |
| 3 | Attain the ability to model various applications using algebraic and transcendental functions |
| 4 | Identify linear and nonlinear equations and solve them using appropriate methods              |
| 5 | Demonstrate understanding of theory of equations; variation and partial fractions.            |
| 6 | Demonstrate understanding of inequalities; complex numbers; exponentials and logarithms.      |

**Learning Outcomes:**

- Upon successful completion of this course, the students will
- Explore English, Arts, Humanities, Natural Sciences (Mathematics), Social and Behavioral Sciences.
  - Make connections between different areas of knowledge and different ways of knowing.
  - Be able to locate, evaluate and organize information including the use of information technologies
  - Think critically and creatively, learning to apply different systems of analysis.
  - Develop problem solving skills that incorporate multiple viewpoints and differing contexts.
  - Cultivate intellectual curiosity and self-responsibility, building a foundation for life-long learning.

## COURSE FORMAT:

Math1100.030 (online) is the most widely taken and transferred mathematics course. Students will complete more than 90% courses material by doing online assignments on MyMathLab, as described above. The class will meet on campus for the midterm and final exam on scheduled time. In Blackboard, you will find seventeen (17) WEEKLY MODULES; each containing detailed course material and assignment description with due dates. In other words, under each weekly module, you will have access to course learning resources, link to electronic textbook, power point lecture notes, videos, and the due assignment of that week. On an average, you will do two homework assignments weekly each followed by a short quiz, both available for several days and due at the same time. After a chapter is complete, you will take Chapter- Test to ensure the mastery of its contents. Study Plans are required and must be completed before taking a quiz or chapter test. The study plans should be considered as review or practice work, however, you will get the credit (10% of semester grades) of your work in multiple ways. On all homework assignments, you will have unlimited number of attempts, however, quizzes and chapter tests are set for two attempts only.

On the exam days (in class) , you are expected to come prepared, that includes bringing a **valid picture ID** and completion of all course material as outlined in the weekly modules or posted on blackboard. Read and understand class policy by exploring every tab under the course menu panel.

Class Meeting Schedule (face to face) at UNT Dallas\*\*\* campus:

1. Monday, March 07<sup>th</sup> (Mid Term Exam) 12:00 – 2:00 pm
2. Monday, May 09<sup>th</sup> (Final Exam) 12:00 – 2:00 pm

Math1100.030 is NOT a **SELF PACED** course; however, you will complete academic work in a flexible manner. Due to the nature of this course, all assignments have firm deadlines with no possible extension. The attendance for face to face meetings is required and there will be no-make up for the missing exams. Students are responsible for all information provided on blackboard or posted online regardless of his/her internet or technology problems. This includes any changes made to the due dates of homework assignments and test dates that were announced or posted online. You will have *unlimited* number of attempts of answer on all homework, however, a score of 60% or more is required to access a quiz. On a quiz, you have *two (2) attempts* to answer, so start early, both homework and quiz open at the same time and there is no penalty for early submission. To ensure the mastery of chapter content, completion of Study plan is mandatory before taking a quiz or chapter test. So, early as soon as an assignments is available, and keep a good record of notes and important formulae. On a chapter-test, you have *one (1) attempt* to answer, so prepare enough and answer carefully.

\*\*\* Contact me in advance if you are unavailable and want to arrange off campus proctored exam.

## REQUIRED INITIAL ASSIGNMENT:

In accordance with US Department of Education guidance regarding class participation, this class requires the following assignments by January 25<sup>th</sup> , 2016:

- 1) Registering for MyMathLab (MML) software, and completing first two assignments. (MML offers two (2) weeks of free trials, so you can register right away.)
- 2) Sending me an email that you understand and agree with the course policies.
- 3) Posting a self-introduction on Blackboard discussion board.

Above assignments must be completed by the first week of class start, Monday, January 25, 2016, failure to do that may result administratively drop from the course. If you have any question, please contact me any time.

**On Campus – TESTING\*\*\*:**

You will take midterm and comprehensive final exam in class (face to face) on UNT Dallas campus, see the attached schedule. It's your responsibility to make arrangement with work or anywhere else, in case of conflict with exam times. No makeup examinations will be allowed except for documented emergencies (See Student Handbook). In the case of injury or illness, you need to provide a note from a health care professional affirming date and time of a medical office visit regarding the injury or illness and stating that you should not be in class that day. You must notify me no later than the end of the second business day after the missed exam. On testing day, bring pencils, graphing calculator, and a valid picture ID.

\*\*\* Contact me in advance if you are unavailable and want to arrange off campus proctored exam.

**WEEKLY PROCEDURE:**

You'll have approximately two homework assignments (unlimited number of attempts) per week. After you will take a short quiz (2 attempts) followed by a Study Plan. As mentioned before, for simplicity reasons, homework and quiz are made open and close at the same time, however remain available for several days. So, start early, as you finish a homework, start on study plan and take the quiz, while the information is still fresh. To ensure the mastery of the content, completion of Study Plans is required for all quizzes and chapter tests. On chapter tests, you will have two attempts, so prepare enough and answer carefully. At the end of semester, one lowest quiz and chapter test grade will be dropped.

**Weekly Procedure:**

1. Read assigned section from the textbook (hardcover or e-book).
2. Watch lecture videos, and other multimedia resources available on MyMathLab.
3. Complete homework and short quiz, there is no penalty for early completions.
4. Maintain good record of your work by doing all assignments in a spiral note book.
5. Work diligently on Study Plans and take Chapter Test with full preparation.

**COMMUNICATIONS:**

Due to online availability, you can access the class material from anywhere, at any time. So, you have flexibility of doing work at your convenient time, assignments are open for several days, with no possible extensions. So, pay attention to deadlines and complete all work on time, don't delay or wait for the last minute. If you have any question or want to discuss an issue, send me an email at: [noureen.khan@unt.edu](mailto:noureen.khan@unt.edu). My email response time is less than two business day. Please DONOT USE BLACKBOARD EMAIL for communications, blackboard emails may take longer (up to a week) for replying back.

You can visit my office or meet virtually during posted hours or by sharing your Skype ID. Use UNT email address and include your class/ section/ student ID in subject for all email communications. You can also call my office in case you seek verbal response, I am available at 972 338- 1567 during listed office hours.

**Statement regarding use of email and extension requests:**

- Emails about assignments extension request may not be replied due to heavy electronic communication load and course syllabus policy.
- Emails sent from other than UNT email address and/ or without student- ID and Class and Section number may go to junk (SPAM) folders, and my not be replied.
- Emails about grades or grades related questions will not be replied due to sensitivity and privacy policy.
- Emails sent to blackboard account will take longer response time per syllabus policy.
- Emails regarding personal matters or irrelevance to the course will go unanswered.

**Assignments due dates Policy:**

For simplicity reasons, all assignments are made available and due at **midnight (12:00am)** on **Monday, Wednesday or Friday**, unless otherwise specified.

**NOTE:** This is tentative schedule and subject to change at the discretion of the instructor at any time.

<b>Week</b>	<b>Online Module</b>	<b>TOPICS</b>
<b>Week 1</b> Jan 19 – Jan 24	<u>Chapter 1:</u> Section 1.1 - 1.2	Linear and Quadratic Equations
<b>Week 2</b> Jan 25 – Jan 31	Section 1.1 - 1.2	Linear and Quadratic Equations
<b>Week 3</b> Feb 01 – Feb 07	Section 1.3 - 1.4	Complex and Radical Equations
<b>Week 4</b> Feb 08 – Feb 14	Section 1.5 - 1.6	Inequalities and Absolute Value
<b>Week 5</b> Feb 15 – Feb 21	<u>Chapter 2:</u> Section 2.1 - 2.2	Functions and Their Graphs
<b>Week 6</b> Feb 22 – Feb 28	Section 2.3 - 2.5	Functions and Their Graphs
<b>Week 7</b> Feb 29 – Mar 06	<u>Chapter 3:</u> Section 3.1 - 3.2 Section 3.3 - 3.5	Linear and Quadratic Functions
<b>Week 8</b> Monday, Mar 7 <sup>th</sup>	MID-TERM EXAM (IN CLASS)	MID-TERM EXAM (IN CLASS) 12:00pm – 2:00pm
<b>Week 9</b> Mar 14 – Mar 20	SPRING BREAK	SPRING BREAK
<b>Week 10</b> Mar 21 – Mar 27	<u>Chapter 4:</u> Section 4.1 - 4.2	Variation & Polynomials
<b>Week 11</b> Mar 28 – Apr 03	Section 4.3 - 4.4	Variation & Polynomials
<b>Week 12</b> Apr 04 – Apr 10	<u>Chapter 6:</u> Section 6.1 - 6.2	Exponentials and Logarithms
<b>Week 13</b> Apr 11 – Apr 17	Section 6.3 - 6.4	Exponentials and Logarithms
<b>Week 14</b> Apr 18 – Apr 24	Section 6.5 - 6.6	Exponentials and Logarithms
<b>Week 15</b> Apr 25 – May 01	<u>Chapter 8:</u> Section 8.1 - 8.2	System of Equations
<b>Week 16</b> May 02 – May 08	Section 8.3 - 8.4	System of Equations
<b>Week 17</b> Monday, May 9 <sup>th</sup>	12:00 – 2:00 pm	<b>FINAL EXAMINATION</b> (IN CLASS)

## **University Policies and Procedures:**

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

The University of North Texas Dallas faculty is committed to complying with the Americans with Disabilities Act (ADA). Students' with documented disabilities are responsible for informing faculty of their needs for reasonable accommodations and providing written authorized documentation. For more information, you may visit the Office of Disability Accommodation/Student Development Office, Suite 200 or call at 972-338-1779.

### **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.

### **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.

### **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.

### **Important Dates:**

- Monday, January 18
  - March 14 – March 20
  - Friday, April 8
- Martin Luther King Day  
Spring Break  
Last day to withdraw from a course with a grade of W