University of North Texas at Dallas
Fall 2013
SYLLABUS

MATH 1100: College Algebra 3Hrs			
Department of	Mathematics and Information Sciences	**Division of**	Mathematics

Instructor Name:	Alena Miadzvedskaya
Office Location:	DAL2, Room FH 305
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Email Address:	alena.miadzvedskaya@unt.edu

Office Hours:	Tuesday and Thursday 7:00pm-8:00pm,
Mathematics Lab Hours:	Tuesday and Thursday 7:00pm-8:00pm (MathLab is located in DAL#1, 3rd floor)
Virtual Office Hours:	N/A

Lecture Location:	DAL2 Room # 241
Lecture Meeting Days & Times:	Tuesday and Thursday 05:30 pm-06:50 pm

Course Catalog Description:	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.

Prerequisites:	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. Satisfies the Mathematics requirement of the University Core Curriculum.
Co-requisites:	N/A

Required Main Text:	☐ **College Algebra, 9th Edition, by Michael Sullivan and MyMathLab software.** ☐ If you have a used book you can also buy a standalone code for My Math Lab.

Recommended Texts and/or References:	

Required Homework Assignment Service	My Math Lab is a homework assignment service, providing online versions of the homework problems found at the end of each chapter. **Registration Information**: Students must purchase and register in **MyMathLab (MML)** by 2nd class of semester. MML is an online course delivery platform through which students access and complete assignments. Students may access MML at any general access lab on campus. **Students not registered with MML may be administratively dropped with the possibility of no refund.** **Course ID: miadzvedskaya53318**

Access to Learning Resources:	UNT Dallas Library:
	    phone: (972) 780-3625;
	    web: http://www.unt.edu/unt-dallas/library.htm
	UNT Dallas Bookstore:
	    phone: (972) 780-3652;
	    e-mail: 1012mgr@fheg.follett.com

Course Goals: The goal of this course is to	
	The goal of this course is to prepare students to be able to take other higher level mathematics classes.

Learning Course Objectives/Outcomes: At the end of this course, the student will

1	Represent functions in different ways
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
7	Distinguish between a relation and a function

Course Outline
Major Course Topics:

- Real Numbers and Algebraic Expressions

- Linear Equations and Inequalities

- Relations, Functions, and More Inequalities

- Systems of Linear Equations and Inequalities

- Polynomials and Polynomial Functions

- Rational Expressions and Rational Functions

- Radicals and Rational Exponents

- Quadratic Equations and Functions

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

	Tuesday Lecture DAL2, #241	**Thursday Lecture DAL2, #241**	**Topics**	

Week #1 **Aug. 29**		Introduction	Syllabus, BlackBoard, & MyMathLab Equations and Inequalities	
Week #2 **Sep.3 & Sep.5**	HW # 1 on MyMathLab	QUIZ # 1 on MyMathLab	Equations and Inequalities	
Week 3 **Sep.10 & Sep.12**	HW # 2 on MyMathLab	QUIZ # 2 on MyMathLab	Graphs	
Week 4 **Sep.17 & Sep.19**	Practice Review for Exam #1	**Exam #1, Ch 1-2**	Practice Review for Exam #1	
Week 5 **Sep.24 & Sep.26**	HW # 3 on MyMathLab	QUIZ # 3 on MyMathLab	Functions and Their Graphs	
Week 6 **Oct. 1 & Oct. 3**	HW # 4 on MyMathLab	QUIZ # 4 on MyMathLab	Linear and Quadratic Functions	
Week 7 **Oct. 8 & Oct. 10**	HW # 5 on MyMathLab	QUIZ # 5 on MyMathLab	Polynomial Functions	
Week 8 **Oct. 15 & Oct. 17**	Practice Review for Exam #2	**Exam # 2, Ch 3-4**	Practice Review for Exam #2	
Week 9 **Oct. 22 & Oct. 24**	HW # 6 on MyMathLab	QUIZ # 6 on MyMathLab	Rational Functions	
Week 10 **Oct. 29 & Oct. 31**	HW # 7 on MyMathLab / QUIZ # 7 on MyMathLab / Rational Functions			
Week 11 **Nov. 5 & Nov. 7**	HW # 8 on MyMathLab	HW # 9 on MyMathLab	Exponential and Logarithmic Functions	
Week 12 **Nov. 12 & Nov. 14**	HW # 10 on MyMathLab	HW # 11 on MyMathLab	Exponential and Logarithmic Functions	
Week 13 **Nov. 19 & Nov. 21**	QUIZ # 7 on MyMathLab	Practice Review for Exam #3	Exponential and Logarithmic Functions Practice Review for Exam #3	
Week 14 **Nov. 26**	**Exam # 3, Chapters 5-6**			
Week 15 **Dec. 3 & Dec 5**	Review for a Final Exam Chapters 1-3	Review for a Final Exam Chapters 4-6	Review for a Final Exam	
Final Exam	**Tuesday , December 10, 2013 5:00 PM 7:00 PM**			

Course Evaluation Methods

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

- **Section Online Homework Assignments** (from MyMathLab) are 10% of your overall grade- For each section covered in the course there will be an online Homework assignment on MyMathLab.
  - You will have an unlimited number of attempts to complete the assignment by the due date.
  - **You must score at least 70% on each Section Online Homework Assignment so that you can have access to Section Online Quizzes.**
  - A Section Online Homework Assignment has a due date.
  - Section Online Homework Assignments due dates will be announced on the MyMathLab together with the assignment.
  - The due dates will NOT be extended for any reason. **NO EXCEPTIONS.** If you are prone to circumstances that affect your ability to complete assignments as due, work ahead. Technical difficulty, including loss of internet access, is not an excuse for not completing assigned work.
  - **Students should keep a spiral notebook of all online assignments. <u>Write</u> work <u>clearly</u> just as you would if the assignments were submitted on paper**

- **Section Online Quizzes** (from MyMathLab) are 15% of your overall grade- There will be a Section Online Quiz on each section which will be administered online through MyMathLab.
  - Each <u>Section Online Quiz</u> will consist of about 10-15 questions. You are allowed at most two attempts. If both attempts are used, your grade will be the best score out of two attempts.
  - Remember! You must earn an 70% on your <u>Section Online Homework Assignments</u> (from MyMathLab) before you will be given access to that Section Online Quiz.
  - <u>Section Online Quizzes'</u> due dates will be announced on the MyMathLab together with the Section Online Quiz.
  - The due dates will NOT be extended for any reason. **NO EXCEPTIONS.** If you are prone to circumstances that affect your ability to complete assignments as due, work ahead. Technical difficulty, including loss of internet access, is not an excuse for not completing assigned work.

- **<u>Class work</u>** (in class) are 5% of your overall grade - An in-class assignments will be given during the class.
- There will be no make-ups for any missed in-class assignments.

- **<u>In-term Exams</u>** (in class) are 50% of your overall grade - There will be three In-term Exams. Each one is by 80 minutes. The date for each exam is pointed in the schedule. See Make-up Policy section for more.
  - The department of Mathematics and Information Sciences at UNT Dallas creates a comprehensive final that all students of College Algebra take. Students must take the final exam at the prescribed time; no exceptions. Make necessary arrangements now to attend the final exam.

- **<u>Final Exam</u>** (in class) are 20% of your overall grade Comprehensive Final Exam. The schedule for the quizzes, tests and exams is attached. Absolutely <u>NO MAKE –UPS!</u>

  Final Exam: Tuesday , December 10, 2013 5:00 PM 7:00 PM

The student's grade is determined solely by his/her performance on the evaluation criteria and the grade assignments listed above.

Grading Matrix:

Homework Assignments are 10 % of your overall grade
Section On-line Quizzes are 15 % of your overall grade
Class work are 5 % of your overall grade
Mid-term Exams are 50% of your overall grade
Final Exam is 20% of your overall grade

Grade Determination:
A   90% or better
B   80 – 89 %
C   70 – 79 %
D   60 – 69 %
F   less than 60%

Email Policy: <u>Use your **Blackboard** email account to contact me.</u> You should check your email account on the Blackboard every day. You are responsible for any information that I send out via email. Due to privacy rights, I will not discuss grades over the phone. I will only answer emails from your **Blackboard** account.

Calculator Policy: A graphing calculator: TI-83, TI-84 or equivalent is required. Calculators with CAS (Computer Algebra System) are not permitted. Examples of calculators that are not allowed: TI-89, TI-92, HP-48 or any others which are capable of symbolic algebra.

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. Grades assigned before an accommodation is provided will not be changed as accommodations are not retroactive. For more information, you may visit the Student Life Office, Suite 200, Building 2 or call Laura Smith at 972-780-3632.

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.

Assignment Policy:
There will be no make-ups for any missed in-class assignments.
Exam Policy:
Exams should be taken as scheduled. No makeup examinations will be allowed except for documented emergencies (See Student Handbook). Specifically, 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 working day after the missed exam.

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 at http://www.unt.edu/unt-dallas/policies/Chapter%2007%20Student%20Affairs,%20Education,%20and%20Funding/7.002%20Code%20of%20Academic_Integrity.pdf for complete provisions of this code. In addition, all academic work submitted for this class, including exams,

papers, and written assignments should include the following statement: **On my honor, I have not given, nor received, nor witnessed any unauthorized assistance that violates the UNTD Academic Integrity Policy.**

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. 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 lectures, may result in being dropped from the course for nonattendance with a grade of WF.**

For security measures once a student signs an attendance sheet she/he cannot leave the class without professor's permission.

☐ If a student needs to leave the class earlier she/he should talk to the professor before the class; the student should leave the classroom quietly.

☐ If a student has to leave the class (for example in case of a family emergency or a similar situation) the student must invite the professor politely out of the classroom to explain the situation.

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.

Copyright Policy:
The handouts used in this course are copyrighted. By "handouts," I mean all materials generated for this course, which include but are not limited to syllabi, lecture notes, quizzes, exams, in-class materials, review sheets, projects, and problems sets. Because these materials are copyrighted, you do not have the right to copy and distribute the handouts, unless I expressly grant permission.

Other Policy:
    Classroom Etiquette:
    Appropriate behavior is expected of all students taking this course.

☐ Arrive to class promptly and do not leave until the scheduled ending time of the class.
☐ If you must arrive late or leave early, please do so as discreetly as possible and take a seat near the door.
☐ Turn off all non-medical electronic devices such as pagers, cell phones, laptops, etc. Take off the headphones.
☐ Do not read newspaper or work on unrelated assignments during class.
☐ I prefer that you not eat during class.

    Grade Assignment:
    The student course grade is assigned according to the evaluation criteria and grading assignment stated on this syllabus.

☐ The grade is completely objective and is determined solely by student performance on each of the evaluation criteria (in-term exams, in-class quizzes, on-line quizzes, and the final exam).

Student Behavior:
Student behavior that interferes with an instructor's ability to conduct a class or other students' opportunity to learn is unacceptable and disruptive and will not be tolerated in any instructional forum at UNT.

- Students engaging in unacceptable behavior will be directed to leave the classroom and the instructor may refer the student to the Student Life Center to consider whether the student's conduct violated the Code of Student Conduct.
- The university's expectations for student conduct apply to all instructional forums, including university and electronic classroom, labs, discussion groups, field trips, etc. The Code of Student Conduct can be found at http://dallas.unt.edu/sites/default/files/page_level2/pdf/policy/7.001%20Code%20of%20Student%20Rights%20Responsibilities%20and%20Conduct.pdf

Recommended Keys to Success/Expectations:
- Students who are successful in math spend a great deal of time and honest effort outside of class along with punctual attendance.
- Students who are successful come to each class on time and stay the entire class. You are responsible for everything that happens in class. You should come to each lecture and come prepared.
- Students who are successful spend an hour (or two) after each lecture with a classmate reviewing the lesson and working on homework problems. They meet with a study group several times per week and attend the Math Lab in Building #1.
- Successful students work on the assignments consistently every day, instead of waiting until the last minute. They read their textbooks regularly and make learning notes.
- **Math is not a spectator sport. You will not learn mathematics from watching the instructor or friends display ideas and solve problems. You must try the problems, finish problems, ask questions, correct your mistakes, put concepts in your own words, and practice, practice, practice!! An increase in effort usually results in increases in success.**

To register for Fall 2013_ Algebra_UNT Dallas_Mladzvedskaya:

1. Go to **pearsonmylabandmastering.com**.
2. Under Register, click **Student**.
3. Enter your instructor's course ID: **mladzvecskaya53318**, and click **Continue**.
4. Sign in with an existing Pearson account or create an account:
   - If you have used a Pearson website (for example, MyITLab, Mastering, MyMathLab, or MyPsychLab), enter your Pearson username and password. Click **Sign In**.
   - If you do not have a Pearson account, click **Create**. Write down your new Pearson username and password to help you remember them.
5. Select an option to access your instructor's online course:
   - Use the access code that came with your textbook or that you purchased separately from the bookstore.
   - Buy access using a credit card or PayPal.
   - If available, get 14 days of temporary access. (Look for a link near the bottom of the page.)
6. Click **Go To Your Course** on the Confirmation page. Under MyLab & Mastering New Design on the left, click **Fall 2013_ Algebra_UNT Dallas_Mladzvedskaya** to start your work.

Retaking or continuing a course?

If you are retaking this course or enrolling in another course with the same book, be sure to use your existing Pearson username and password. You will not need to pay again.

To sign in later:

1. Go to **pearsonmylabandmastering.com**.
2. Click **Sign In**.
3. Enter your Pearson account username and password. Click **Sign In**.
4. Under MyLab & Mastering New Design on the left, click **Fall 2013_ Algebra_UNT Dallas_Mladzvedskaya** to start your work.

Additional Information

See Students > Get Started on the website for detailed instructions on registering with an access code, credit card, PayPal, or temporary access.