

University of North Texas at Dallas
Spring 2012
SYLLABUS

MATH 1010D-090: Fundamentals of Algebra (3 Cr.)

Department of	Mathematics and Information Sciences	Division of	Arts and Life Sciences(Mathematics)
Instructor Name:	Elona U. Osmanliu		
Office Location:	Founders' Hall (Building 2) Room 308		
Office Phone:	(972) 338-5500		
Email Address:	Elona.Osmanliu@unt.edu		
Office Hours:	MW – 5:00PM – 5:30PM		
Virtual Office Hours:	MW – 5:00PM – 5:30PM		
Classroom Location:	Building 2 Room # 308		
Class Meeting Days & Times:	MW 5:30 P.M. – 8:20 P.M.		
Course Catalog Description:	Basic algebra operations, linear equations and inequalities, polynomials, rational expressions, factoring, exponents and radicals, and quadratic equations.		
Prerequisites:	Consent of department. Students may not enroll in this course if they have credit for any other UNT mathematics course. Credit in this course does not fulfill any degree requirement.		
Required Main Text:	<ul style="list-style-type: none"> • Intermediate Algebra, 2nd edition by Sullivan and Struve. • The book and My Math Lab access code will be bundled together. • Bundle ISBN-10:0321673727 ISBN-13:9780321673727 • If you have a used book you can also buy a standalone code for My Math Lab • If you have purchased My Math Lab code previously for another math class, you will not need to purchase a new code for this class since you already have one year access. 		
Recommended Text and References:	<ul style="list-style-type: none"> • Schaum's Outline of Intermediate Algebra, 2nd edition, McGraw-Hill, 2010 • Schaum's Outline of elementary Algebra, 3rd edition, McGraw-Hill, 2009 		
Required Homework Assignment Service	<p>My Math Lab is homework assignment service, providing online versions of the homework problems found at the end of each chapter.</p> <p>Registration information: Student must Purchase and register in My Math Lab (MML) by 2nd class of the semester. MML is an online course delivery platform through which student's access and complete assignments. Students may access MML at any general access lab on campus. Students not registered with MML may be administratively dropped without the possibility of refund.</p> <p>Course ID:</p>		
Access to Learning Resources:	<p>UNT Dallas Library: phone: (972) 780-3625; web: http://www.unt.edu/unt-dallas/library.htm</p> <p>UNT Dallas Bookstore: phone: (972) 780-3652; e-mail: 1012mgr@fheg.follett.com</p> <p>UNT Dallas Mathematics Lab: To Be Arranged</p>		
Course Goals or Overview:	The goal of this course is to		
	Develop the problem solving ability on basic and intermediate algebra and train them to meet college math standard.		

Learning Objectives/Outcomes: At the end of this course, the student will	
1	Be able to conduct elementary algebraic operations in correct order
2	Be able to conduct elementary operations in correct order
3	Be able to use elementary algebraic symbols to form correct mathematical phrases.
4	Understand the concepts of variables, equations, inequalities, functions and graphs
5	Be able to solve linear equations and inequalities
6	Be able to solve systems of linear equations and inequalities
7	Be able to factor polynomials and use factorization to solve quadratic or higher order equations.
8	Be able to analyze linear and quadratic functions and their graph.
9	Understand the basics of rational functions and radical functions.

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.

	Monday Lecture at Building 2 Founders Hall # 308	Wednesday Lab at Building 2 Founders Hall TBA	Topics
Week # 1 Jan. 14th – Jan. 18th	Syllabus, Blackboard, My Math Lab Access.	Activities on My Math Lab course	Syllabus, Blackboard, My Math Lab Presentation
Week # 2 Jan. 21st – Jan. 25th	Martin Luther King Day No classes!	Activities on My Math Lab course	(R2,R3) Real Numbers and Algebraic Expressions
Week # 3 Jan. 28th – Feb. 1st	In class Quiz 1	Activities on My Math Lab course	(R4,R5) Real Numbers and Algebraic Expressions
Week # 4 Feb. 4th – Feb. 8th	In class Quiz 2	Activities on My Math Lab course	(1.1,1.2) Linear Equations and Inequalities
Week # 5 Feb. 11th – Feb. 15th	In class Quiz 3	Activities on My Math Lab course	(1.3,1.4) Linear Equations and Inequalities
Week # 6 Feb. 18th – Feb. 22nd	In class Quiz 5	<i>Practice review for Exam 1</i>	<i>Practice review for Exam 1</i>
Week # 7 Feb. 25th – Mar. 1st	Exam # 1	Activities on My Math Lab course	(1.5,1.6) Functions and Inequalities
Week # 8 Mar. 4th – Mar. 8th	In class Quiz 6	Activities on My Math Lab course	(1.7,1.8) Functions and Inequalities
Week #9 Mar. 11th – Mar. 15th	!!!Spring Break, No classes, Campus is closed!!!		
Week # 10 Mar. 18th – Mar. 22nd	In class Quiz 7	Activities on My Math Lab course	(2.1, 2.2 ,2.3, 2.4) System of Linear Equations and Inequalities: Polynomials

Week # 11 Mar. 25th – Mar. 29th	In class Quiz 8	Activities on My Math Lab course	(3.1, 3.2, 4.1, 4.2) Polynomials and Polynomial Functions
Week # 12 Apr. 1st – Apr. 5th	<i>Practice Review for Exam # 2</i> In class Quiz 9	Exam # 2	<i>Practice review for Exam#2</i> (4.3, 4.4) Polynomials and Polynomial Functions
Week # 13 Apr. 8th – Apr. 12th	In class Quiz 10	Activities on My Math Lab course	(4.5, 4.6, 4.7) Polynomials and Polynomials Fractions
Week # 14 Apr. 15th – Apr. 19nd	In class Quiz 11	Activities on My Math Lab course	(4.8, 5.1, 5.2) Rational Expressions
Week # 15 Apr. 22th – Apr. 26th	In class Quiz 12	Activities on My Math Lab course	(5.3, 7.1, 7.2) Rational Expressions, Quadratic Equations
Week # 16 Apr.29th – May 3rd	<i>Practice review for the Final Test</i>	<i>Practice review for the Final Test</i>	<i>Practice review for the Final Exam (7.2) Quadratic Equations</i>
Monday May 6th	!!!FINALS!!!		

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) – For each section covert in this 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 80% on each Section Online Homework Assignments so that you have access to Section Online Quizzes.
 - The Section Online Homework Assignments from MyMathLab won't count towards your overall grade.
 - The Section Online Homework Assignments have a due date.
 - Section Online Homework Assignments due dates will be announced on the MyMathLab together with the assignment.
- **Section Online Quizzes** (from MyMathLab) – There will be a Section Online Quiz on each section which will be administered online through MyMathLab.
 - Each Section Online Quiz will consist of 10 questions. You are allowed at most two attempts. If both attempts are used, your grade will be the score of the **LAST** attempt. (If you score lower on the second time that will be your score.)
 - Remember! You must score 80% on your Section Online Homework Assignments (from MyMathLab) before you will be given access to the Section Online Quiz.
 - Section Online Quizzes' due date will be announced on the MyMathLab together with the Section Online Quiz.
 - At the end of the semester only the best 20 Sections Online Quizzes will be considered.
- **Weekly in-class Quizzes** (in class) – An in-class quiz will be hold at the last 10 minutes of the class. The dates for each quiz are pointed on the schedule for the topics above.
 - There will be no make-ups for any missed in-class quizzes. Instead, at the end of the semester online the best **seven** will be considered.
 - At the end of each lecture I will suggest some exercises from the text book (they will also be posted online on MyMathLab).
 - The in-class quizzes will consist of questions similar to ones from the Suggested Exercises and from Section Online Homework Assignments.
 - Suggested Exercises are optional and won't be graded!
- **Mid-term Exams** (in class) – There will be two mid-term exams. Each one is by 80 minutes. The date for

each exam is pointed in the table above. See Make-up Policy section for more.

- The department of Mathematics and Information Sciences at UNT Dallas creates comprehensive final that all students at College Algebra take. Students must take the Final Exam at the prescribed time; no exceptions. Make the necessary arrangements now to attend the Final Exam.
- **Final Exam** (in class) – Comprehensive Final Exam. The schedule for the quizzes, tests and exams is attached. Absolutely NO MAKE-UPS!

Final Exam	Monday May 6th, 2013	5:30PM – 8:00PM
-------------------	--	------------------------

The student's grade is determined solely by his/her performance on the evaluation criteria and the grade assignments listed above. Do not expect Extra Credit assignments!

Grading Matrix:

Instrument	Value (points or percentages)	Total
Section Online Quizzes	20 online quizzes at 5 point each	100
Weekly In-class Quizzes	7 in-class quizzes at 10 points each	70
Mid-Term Exams	2 Mid-term Exams at 70 points each	140
Final Exam	1 comprehensive final exam at 90 points	90
Total:		400

Grade Determination:

- A = 400 – 360 pts; i.e. 90% or better
- B = 320 – 359 pts; i.e. 80 – 89 %
- C = 280 – 319 pts; i.e. 70 – 79 %
- D = 240 – 279 pts; i.e. 60 – 69 %
- F = 239 pts or below; i.e. less than 60%

Email Policy: Use your **Blackboard** email account to contact me. 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: The use of any type of calculator is strictly **prohibited** in this course. Using one constitutes cheating and will be treated as cheating according to university policy and academic dishonesty.

University Policies and Procedures

General Policies:

- First and most fundamental expectation for everyone in class is to respect one another. Among other things, this means **that only one person speaks at a time, no one works on anything not related to class (no cell use, no texting, no reading, no sleeping,...)**and everyone will put forth an honest effort.
- It is the students responsibility to stay abreast of all class announcements and changes made to this syllabus in class, whether present or not.
- Generally, leaving and entering the class back is **not allowed**. You can leave the class if you are not returning, or for real emergency case. Leaving the class should be by professor's permission only.
- You are expected to review all graded quizzes, homework, and exam papers as soon as they are returned. All questions about the grading of quizzes, homework or exam papers must be reported within the **seven** calendar days of the date on which the paper was returned.
To do well on this course, attend class every meeting on time, be prepared to work for the full class time, bring all the necessary materials to class, participate as much as possible, do the homework and extra problems steadily every day rather than once per week. Don't be afraid to make mistakes or ask questions, the more you get involved, the better you will do.
- **My door will always be open and you should feel free to e-mail me if you have any questions.** Don't stress about math! You have the ability to build new skills to help you succeed as long as you work hard.

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 quizzes. Instead at the end of the semester only the highest seven in-class quizzes will be considered.

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 healthcare professional affirming date 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%20Integrity.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 three lectured classes from Monday and Wednesday may result on being dropped from the course and receiving a grade F for the course.**

For security measures when a student signs the attendance sheet, he/she will record the sign in time and the sign out time, and cannot leave the class without professor's permission

- If a student needs to leave class early he/she should talk to the professor before the class; the students should leave the class quietly.

- *If a student has to leave the class (for example in case of family emergency or similar situation) the student must invite the professor politely out of the classroom to explain the situation.*
- *If a student comes to class late he/she should not interrupt the lecture but quietly to sign in the attendance and record the time he/she came in.*

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 Office of Student Life as the instructor deems appropriate.

Copyright Policy:

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

Other Policy:

Use of cell phones and other Electronic Gadgets (such as Laptops) in the classroom are prohibited. Food is prohibited in the classroom and in the Math Lab.