University of North Texas at Dallas
Fall 2016   SYLLABUS

MATH 1010 – 004 (1251): Fundamentals of Algebra (3 Cr.)			
Department of	Mathematics and Information Sciences	**School of**	Liberal Arts and Sciences

Instructor Name:	Ron Sekerak
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Office Phone:	214-686-1290 (cell). For 'very' important stuff. I do not return calls without a voice message.
Email Address:	ronald.sekerak@untdallas.edu
Office Hours:	MW 2:20 – 3:30 pm or by appointment (discuss during class).
Course Format/Structure:	100% Face to Face in classroom
Classroom Location:	DAL1 room 226
Class Meeting Days & Times:	MW 1 - 2:20pm
Course Catalog Description:	Basic algebraic operations, linear equations and inequalities, polynomials, rational expressions, factoring, exponents and radicals, and quadratic equations.
Prerequisites:	Consent of department. Students cannot enroll in this course if they have credit for any other UNT mathematics course. Credit in this course does not fulfill any degree requirement.
Co-requisites:	n/a
Required Text:	**Intermediate Algebra, 2nd ed by Sullivan & Struve.** - The book and a My Math Lab access code may be bundled together. - ISBN: 0321567528 / 9780321567529 (textbook only) If you have a used hardcover book, you can buy a separate My Math Lab access code. **MML Course ID:** sekerak46471 **Students not registered with MML will be dropped with the possibility of no refund.**
Recommended Text and References:	- No other text or references, besides above textbook 3-ring binder(s), 1 ½ inch size better **4-function calculator (optional) [no cell phone as calculator]**

Access to Learning Resources:	UNT Dallas Library: (Founders Hall)
	    phone: (972) 780-1616
	    web: http://www.untdallas.edu/library
	    e-mail: Library@untdallas.edu
	UNT Dallas Bookstore: (Building 1)
	    phone: (972) 780-3652
	    web: http://www.untdallas.edu/bookstore
	    e-mail: untdallas@bkstr.com

Course Goals or Overview: The goals of this course are as follows -

Develop the problem solving ability on basic and intermediate algebra and train them to meet college math standards.

Learning Objectives/Outcomes: At the end of this course, students will be able to:

1	Be able to conduct elementary algebraic operations in correct order.
2	Be able to conduct elementary operations with fractions.
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 graphs.
	9	Understand the basics of rational functions and radical functions.

Course Outline

This schedule is an initial attempt to describe our plan. This draft will change during the semester. MML provides an up-to-date picture of what is due and when. Changes to this schedule are communicated via MML content and due date updates.

	Monday	*Wednesday*	**Topics**
Week #1			Syllabus, Course Introduction, BlackBoard, *MyMathLab* (R2, R3)
Week #2		Quiz 1	(R3, R4)
Week 3		Quiz 2	(R4, R5), Real Numbers and Algebraic Expressions
Week 4		Quiz 3	Linear Equations and Inequalities (1.1, 1.2)
Week 5		Quiz 4	Linear Equations and Inequalities (1.3, 1.4)
Week 6		Quiz 5	Linear Equations and Inequalities (1.5, 1.6)
Week 7		Quiz 6	Linear Equations and Inequalities (1.6, 1.7, 1.8)
Week 8		**Exam #1**	Chapter R and 1
Week 9		No Class Spring Break	How sad... no math...
Week 10		Quiz 7	Relations, Functions (2.1, 2.2)
Week 11		Quiz 8	Relations, Functions (2.3, 2.4)
Week 12		Quiz 9	Relations, Functions (2.6) Polynomials and Polynomial Functions System of Linear Equations (3.1, 3.6)
Week 13		**Exam #2**	System of Linear Equations (3.6) Exam covers Ch 2 and 3.

Course Evaluation Methods

This course will utilize the following instruments to determine student grades and proficiency of the learning outcomes for the course. You must earn a "C" to pass this class. A "D" = a failing grade.

- **Hand-written and/or Online Homework Assignments** (on MyMathLab (MML)) - For each section covered in the course there is a Homework assignment. For the MML portion:
    - You will have an unlimited number of attempts to complete the assignment.
    - The Section hand-written and/or online homework assignments will count towards your overall

grade.

- o Each Section homework assignment has a due date that will be announced on in class and/or in MML together with the assignment.

- **Online Quizzes** (on MyMathLab) - There will be a Section Online Quiz on each section, which will be administered online through MyMathLab.
    - o Each Section Online Quiz will consist of 5 to 10 questions. You are allowed at most three attempts. If three attempts are used, your grade will be the score of the **LAST** attempt.
    - o Section Online Quizzes' due dates will be announced on the MyMathLab together with the Section Online Quiz.
    - o At the end of the semester, only the best 9 section online quizzes will be considered.

- **In-class Quizzes** (in class) - An in-class quiz will be generally during the first 15 minutes of the class. Be on time so you will get all the time for the quiz. The dates for each quiz will be announced during class.
    - o There will be no make-ups for any missed in-class quizzes **for any reason**. Instead, at the end of the semester only the best 5 in-class quizzes will be considered.
    - o The in-class quizzes will consist of questions similar to ones from the assigned homework, including Suggested Exercises (on MyMathLab).

- **Mid-term Exams** (in class) - There will be two Mid-term Exams. See Make-up Policy section for more.
    - o The department of Mathematics and Information Sciences at UNT Dallas creates a comprehensive final that all Math 1010 students take. Students must take the final exam at the prescribed time; no exceptions. Make necessary arrangements now to attend the final exam.

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 will probably be tuned as semester proceeds. Your suggestions are welcome!!

Grading Matrix:

Instrument	Value (points or percentages)	Total
MML related	Video outlines, homework problems, quizzes [no VO = zero H+Q grade]	25
Attendance (include +1 hour) Effort, Attitude, Cell Phone Usage, Focus, Motivation, Commitment (how hard you consistently try), Participation, Help to Others, etc	Subjective assessment	10
In-class Quizzes	In-class quizzes, drop lowest	15
Mid-term Exams	2 Mid-term exams (15 each)	30
Final Exam	Comprehensive final exam	20
Total:		**100**

The following standard grading scale will be used to determine your final letter grade:
$100\% \geq A \geq 90\% > B \geq 80\% > C \geq 70\% > D \geq 60\% > F \geq 0$. **A, B, or C pass class.**

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)

Course Evaluation 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.

Assignment Policy: According to the instructor's discretion while working in concert with the division/program's guidelines).

Exam Policy: (*Discuss any special instructions relating to exams-sample given)*: Exams should be taken as scheduled. No makeup examinations will be allowed except for documented emergencies (See Student Handbook).

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/7.002%20Code%20of%20Academic_Integrity.pdf
Refer to the Student Code of Student Rights, Responsibilities and Conduct at
http://www.untdallas.edu/sites/default/files/page_level2/hds0041/pdf/7_001_student_code_of_conduct_may_2014.pdf 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. In addition, all academic work turned in for this class, including exams, papers and written assignments must 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: 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. That department will also update the UNTD website, Facebook and Twitter with closing information as soon as it is possible. For more information please refer to http://www.untdallas.edu/police/resources/notifications

Attendance and Participation Policy: (*Discuss your attendance and participation policy.)*
The University attendance policy is in effect for this 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 and 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 Dean of Students as the instructor deems appropriate. (UNTD Policy 7.001)