

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

<b>MATH 1010 – 002 (1180): Fundamentals of Algebra (3 Cr.)</b>			
<b>Class meets 11:30 am – 1:20 pm Monday and Wednesday</b>			
<b>Department of</b>	Mathematics and Information Sciences	<b>Division of Arts and Life Sciences</b>	
<b>Instructor Name:</b>	Ron Sekerak		
<b>Office Location:</b>	DAL1 room 201D		
<b>Office Phone:</b>			
<b>Email Address:</b>	ronald.sekerak@untdallas.edu		
<b>Office Hours:</b>	MW 10-11:30, TuTh 5– 6 pm By appointment (discuss during class).		
<b>Class Location and time:</b>	DAL1 201D, Class: MW: 11:30 am – 1:20 pm		
<b>Lab Location and time:</b>	Part of class period.		
<b>Course Catalog Description:</b>	Basic algebraic operations, linear equations and inequalities, polynomials, rational expressions, factoring, exponents and radicals, and quadratic equations.		
<b>Prerequisites</b>	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.		
<b>Required Main Text:</b>	<ul style="list-style-type: none"> <li>• <b>Intermediate Algebra, 2<sup>nd</sup> ed by Sullivan &amp; Struve.</b></li> <li>• The book and a My Math Lab access code may be bundled together.</li> <li>• ISBN: 0321567528 / 9780321567529 (textbook only)</li> <li>• If you have a used hardcover book, you can buy a separate My Math Lab access code.</li> </ul>		
<b>Recommended Texts and/or References:</b>	<ul style="list-style-type: none"> <li>• <b>None besides textbook</b></li> <li>• <b>3-ring binder, 1 ½ inch size better</b></li> <li>• <b>4-function calculator (optional) [no cell phone as calculator]</b></li> </ul>		
<b>Required Homework Assignment Service</b>	<p>My Math Lab (MML) is an online course delivery platform for students to practice and complete homework assignments.</p> <p><b>Registration Information:</b> Students must purchase and register in <b>MyMathLab (MML)</b>. Students may access MML at any general access lab on campus. <b>Students not registered with MML may be administratively dropped with the possibility of no refund.</b></p> <p><b>MML Course ID:</b> <a href="#">sekerak96256</a></p>		
<b>Access to Learning Resources:</b>	<p>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></p> <p>UNT Dallas Bookstore: phone: (972) 780-3652;  e-mail: <a href="mailto:1012mgr@fhcg.follett.com">1012mgr@fhcg.follett.com</a></p> <p>UNT Dallas <b>Math Lab:</b> DAL1 3<sup>rd</sup> floor MW 1pm-7pm; TT 9am-7pm</p>		
<b>Course Goals:</b> The goal of this course is to			
	Develop the problem solving ability on basic and intermediate algebra and train them to meet college math standards.		
<b>Learning Course Objectives/Outcomes:</b> 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 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. Very subject to change. Changes to this schedule will be communicated via MML assignments, email, and/or in-class announcements.

	<i>Monday</i>	<i>Wednesday</i>	<b>Topics</b>
<b>Week #1</b> <b>Jan 18, 20</b>	<i>No Class</i>  <i>MLK Day</i>		Syllabus, Course Introduction, BlackBoard, <i>MyMathLab</i> (R2)
<b>Week #2</b> <b>Jan 25, 27</b>		Quiz 1	(R2, R3)
<b>Week 3</b> <b>Feb 1, 3</b>		Quiz 2	(R4, R5), Real Numbers and Algebraic Expressions
<b>Week 4</b> <b>Feb 8, 10</b>		Quiz 3	Linear Equations and Inequalities (1.1, 1.2)
<b>Week 5</b> <b>Feb 15, 17</b>		Quiz 4	Linear Equations and Inequalities (1.3, 1.4)
<b>Week 6</b> <b>Feb 22, 24</b>		Quiz 5	Linear Equations and Inequalities (1.5, 1.6)
<b>Week 7</b> <b>Feb 29, Mar 2</b>		Quiz 6	Linear Equations and Inequalities (1.6, 1.7, 1.8)
<b>Week 8</b> <b>Mar 7, 9</b>		<b>Exam #1</b>	Chapter R and 1
<b>Week 9</b> <b>Mar 14, 16</b>	No Class Spring Break	No Class Spring Break	How sad... no math...
<b>Week 10</b> <b>Mar 21, 23</b>		Quiz 7	Relations, Functions (2.1, 2.2)
<b>Week 11</b> <b>Mar 28, 30</b>		Quiz 8	Relations, Functions (2.3, 2.4)
<b>Week 12</b> <b>Apr 4, 6</b>		Quiz 9	Relations, Functions (2.6) Polynomials and Polynomial Functions System of Linear Equations (3.1, 3.6)

<b>Week 13 Apr 11, 13</b>		<b>Exam #2</b>	System of Linear Equations (3.6) Exam covers Ch 2 and 3.
<b>Week 14 Apr 18, 20</b>		Quiz 10	Polynomials (4.1, 4.2, 4.3, 4.4)
<b>Week 15 Apr 25, 27</b>		Practice Review for the Final Exam	Polynomials (4.4, 4.5, 4.6, 4.7) <i>Practice Review for the Final Exam</i>
<b>May 9 – 13 Date, Time, Location TBD</b>		<b>Final Exam</b>	<b>Comprehensive Final Exam</b> FYI: Any deviation from the published schedule of final examinations must be approved in advance by the appropriate academic dean.

### 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 will be a Homework assignment. For the MML portion:
  - 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 Assignment so that you can have access to Section Online Quiz.
  - The Section hand-written and/or online homework assignments will count towards your overall grade.
  - 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.
  - 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.
  - Remember! You must earn an 80% on your Section Online Homework Assignments (from MyMathLab) before you will be given access to that Section Online Quiz.
  - Section Online Quizzes' due dates will be announced on the MyMathLab together with the Section Online Quiz.
  - 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.
  - 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.

- 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.
  - 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:**

<b>Instrument</b>	<b>Value (points or percentages)</b>	<b>Total</b>
<b>MML related</b>	Video outlines, homework problems, quizzes	25
<b>Attendance, Effort, Attitude, Cell Phone Usage, Focus, Motivation, Commitment, Participation, Help to Others, etc</b>	Subjective assessment	10
<b>In-class Quizzes</b>	In-class quizzes, drop lowest	15
<b>Mid-term Exams</b>	2 Mid-term exams	30
<b>Final Exam</b>	Comprehensive final exam	20
<b>Total:</b>		<b>100</b>

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 passes class.**

**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 a graphing calculator is strictly prohibited in this course. Using one constitutes cheating and is treated as cheating according to university policy on academic dishonesty.

**Formula sheet:** Students are allowed to use Video Outlines during any quizzes and exams.

**Lab Component of Math 1010:** The Lab component for this course is integrated into the class. I and/or other students can provide assistance as you complete your homework assignments. You cannot ask for help on the Online Quizzes. You are supposed to work the Online Quizzes on your own.

**General Policies:**

- The first and most fundamental expectation I have for everyone in the 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 the class (no cell use, no texting, no reading, no sleeping, etc) and** everyone will put forth an honest effort.
- It is the student's 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 the permission of the instructor.
- 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 **seven** calendar days of the date on which the paper was returned.
- To do well in this course, attend class every meeting on time, be prepared to work for the full class time, bring all necessary materials to class, participate as much as possible, do the homework and extra problems steadily every day rather than once a week. Don't be afraid to make mistakes or ask questions, the more you get involved, the better you'll do!

- **My door will always be open and you should feel free to e-mail me if you have questions.** Don't stress out about math! You have the abilities to do very well 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 85% 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 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](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](http://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 four classes may result in being dropped from the course with WF.

#### **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).*
- ***Do not expect extra credit work or bonus grade assignments.***

**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](http://dallas.unt.edu/sites/default/files/page_level2/pdf/policy/7.001%20Code%20of%20Student%20Rights%20Responsibilities%20and%20Conduct.pdf)*