University of North Texas at Dallas
SYLLABUS (Fall 2015)

MATH 1100-030	College Algebra	3 Hrs

Department of	Mathematics & Information Sciences	School of	Liberal Arts and Sciences

Instructor Name:	Dr. Ali Shaqlaih
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Office Hours:	MTWR: 8:30-9:50AM
Virtual Hours	MR:12-1:00PM
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.
Required Text:	Access to MyMathLab, Course Code: **;** the hardcopy of the book, **College Algebra, 10th Edition, by Michael Sullivan**, is optional. The e-book version of the textbook is included within MyMathLab which is required. MyMathlab Access Code for the course is: **shaqlaih13845**

On-campus meetings:

- **Required**; Thursday: 10/22/2015, 12:00-1:30 pm in DAL2-242 (Midterm Exam)
- **Required;** Thursday: 12/3/2015, 12:00-2:00pm in DAL2-242 (Comprehensive Final Exam)

If you can't make the required meetings on the dates above, you need to contact the instructor, in advance, so another times can be assigned.	
Access to Learning Resources	MyMathLab is required for this course. UNTD Library: phone: (972) 780-3625; web: http://www.unt.edu/unt-dallas/library.htm UNTD Bookstore: phone: (972) 780-3652;e-mail: 1012mgr@fheg.follett.com

Course Goals	
	Core Objectives: This course addresses the core objectives of critical thinking skills, communication skills, and empirical and quantitative skills **Core Objective 1: Critical Thinking** To include creative thinking, innovation, inquiry, analysis, evaluation, and synthesis of information. Student Learning Outcomes Students will: 1. Explain a given problem, question, or issue; 2. Evaluate the logic and validity of arguments, and the relevance of data and information; and 3. Use investigative and analytical thinking skills to examine alternatives, explore complex questions, and solve challenging problems. **Core Objective 2: Communication Skills** To include effective development, interpretation and expression of ideas through written, oral, and visual communication. Goal 1: Written Communication Student Learning Outcomes Students will: 1. Demonstrate an understanding of context, audience, purpose, and disciplinary conventions; 2. Demonstrate content development to convey understanding of ideas; 3. Demonstrate use of sources and evidence to support ideas; and 4. Use language that skillfully communicates meaning to readers. **Goal 2: Oral Communication** Student Learning Outcomes: Students will: 1. Articulate a central message using supporting material (explanations, examples, illustrations, statistics, analogies, and quotations from relevant authorities); 2. Demonstrate an organized presentation structure to support ideas; and 3. Demonstrates effective verbal and nonverbal delivery. **Core Objective 3: Empirical and Quantitative Skills**

	To include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions. Student Learning Outcomes Students will: 1. Demonstrate an understanding of and represent mathematical information symbolically, graphically, numerically, and verbally; 2. Perform calculations that are essentially successful and sufficiently comprehensive to solve the problem. 3. Reach competent judgments and draw reasonable and appropriately qualified conclusions based on the quantitative analysis of data.
Learning Objectives/Outcomes:	
	o **Course Objectives:** At the end of this course, the student will be able to: • Apply Mathematics in various areas of daily life. • Use technology to solve applied Mathematical problems • Represent functions in different ways • Demonstrate the ability to graph polynomial, rational, exponential and logarithmic functions • Demonstrate the ability to model various applications using algebraic and transcendental functions • Solve systems of equations using determinants • Identify linear and nonlinear equations and solve them using appropriate methods • Use Binomial Theorem and partial fractions to solve math problems

Grading Matrix:

Instrument	Value	Total
Online Homework	Best 20 Hw @ 10 each	200
Online Module exams	5 tests @ 40 each	200
Online Cumulative Exams	2 exams on MML @ 50 each	100
In-class Midterm	One midterm	200
In-class Final comprehensive Exam	One comprehensive exam	300
Total:		1000

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

Technology Use Policy:
TI 84 or equivalent is required.

Required Assignments (by Sep. 4th)
Students are required to post self-introduction on blackboard discussion board (self-reflection). Failure to do this assignment may result a drop from the course. Course ID on MyMathLab is: **shaqlaih13845**

Course procedures:
This Math 1100-030 is an online class. The class meets on campus as follows:
- **Required;** Thursday: 10/22/2015, 12:00-1:30pm in DAL2-242 (Midterm Exam)
- **Required;** Thursday: 12/3/2015, 12:00-2:00pm in DAL2-242 (Comprehensive Final Exam)

The course consists of 6 modules. It is essential that you keep up with the weekly modules; each module has the course materials, several online homework and an on-line test, all on MyMathLab that can be accessed through blackboard. The homework assignments cover individual sections and the module test covers all the sections that are covered in the module. You will have three attempts for each homework assignment; the last attempt will be recorded for the grades; you will have two attempts for each module test and the last attempt will be counted. The due dates for ALL online assignments (homework module tests, Cumulative tests) is always **11:59 pm on Sunday**.

- It is the student's responsibility to stay abreast of all class announcements and changes made to this syllabus on blackboard.
- All questions about the grading of quizzes, homework or exam papers must be reported within **seven** calendar days of the date on which the assignment was graded.
- To do well in this course, be prepared to work, login into the course material on daily bases, do the homework 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!
- For each weekly module you are expected to:
  - Go over the module material
  - Watch the lectures
  - Solve all the homework assignments (Due Sunday 11:59pm)
  - Take the module tests (Due Sunday 11:59pm)

- **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.

Online Assignments policy (on MyMathLab, MML)

- MyMathLab is required for this course; you will be able to access **MyMathLab through blackboard** (course code is **shaqlaih13845**); once you log in your blackboard account, click on the MyMathLab icon (on the left) and you will be able to access all the course assignments, exams and other instructional materials.
- For each section covered in the course there will be an online Homework assignment on MyMathLab through blackboard.
- You will have three attempts to complete each hw assignment.
- You must score at least 50% on each Online Homework Assignment to access the corresponding test for the whole module.
- Due date for all homework assignments and module tests is the Sunday 11:59pm following the week. **No extension will be given for any reason** so plan accordingly.
- At the end of the semester only the **best 20** online homework assignments will be considered however all the test modules will be counted.
- There will be two cumulative online tests (TM, TF)on MyMathlab that will help you prepare for the on-campus exams; each of these tests will count for 50 points and they are due Sunday, after the on campus midterm and Sunday after the on-campus final exam, see the study plan below.

Contact & Communication Policy:
Since this is an online course, appropriate communication is essential for your success. You can contact me by Phone during my office hours (972-338-1569). You can also contact me at ali.shaqlaih@untdallas.edu. 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 Blackboard account or your UNTD account, so don't send emails from your personal (NON-UNTD) emails.
You are also welcome to stop by my office ANYTIME during my office hours to get help on the course or discuss any issue related to the course.

Make-up exam policy:
This Math 1100-030 is an online class. The class meets on campus as follows:
- **Required;** Thursday: 10/22/2015, 12:00-1:30pm in DAL2-242 (Midterm Exam)
- **Required;** Thursday: 12/3/2015, 12:00-2:00pm in DAL2-242 (Comprehensive Final Exam)

Since this is an online course, I will be flexible on the times of the on-campus midterm and o- campus final exam. If you can't make the assigned times above, contact me, by email, to arrange for another time.

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 115 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.

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.

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.

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.

Grade Assignment:
- o The student course grade is assigned according to the evaluation criteria and grading assignment stated on this syllabus.
- o 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).
- o Do not expect extra credit work or bonus grade assignments.

Class Outline

Modules and weeks	Sections Covered	Assignments Due on MyMathLab
Module 1 **Weeks of:** **8/24-8/30, 8/31–9/6 & 9/7 – 9/13**	1.1, 1.2, 1.3,1.4, 1.5, 1.6	**Sunday, 9/6**: H1.1, H1.2, H1.3 **Sunday, 9/13**: H1.4,H1.5, H1.6, **T1**
Module 2		**Sunday, 9/20:** H2.1, H2.2, 2.3

Weeks of: 9/14 – 9/20 & 9/21 – 9/27	2.1, 2.2, 2.3, 2.4, 2.5	**Sunday, 9/27:** H2.4, 2.5, **T2**
Module 3 **Week of 9/28 – 10/4**	3.1, 3.2, 3.3	**Sunday, 10/4:** H3.1, H3.2, H3.3, **T3**
Module 4 **weeks of** **10/5-10/11& 10/12-10/18**	4.1, 4.2, 4.3, 4.4, 4.5	**Sunday, 10/11:** H4.1, H4.2, H4.3 **Sunday, 10/18:** H4.4, H4.5, **T4**
Self-review and Midterm **Week of 10/19-10/25**	**Midterm is on campus** **TM on MyMathLab**	**Thursday, 10/22, at 12:00 pm: Midterm on Campus in DAL2-242** **Sunday, 10/25:** TM on MML
Module 5 **Weeks of** **10/26-11/1 & 11/2-11/8**	5.1, 5.2, 5.3, 5.4, 5.5	**Sunday, 11/1:** H5.1, H5.2, H5.3, **Sunday, 11/8:** H5.4, H5.5, **T5**
Module 6 **Weeks of** **11/9-11/15 & 11/16-11/22**	6.1, 6.2, 6.3, 6.4, 6.5, 6.6, 8.1	**Sunday, 11/15:** H6.1,H6.2, H6.3, H6.5 **Sunday, 11/22:** H6.5, H6.6, H8.1, **T6**
Review		
Week of (11/30-12/6) **Final Exam on campus** **TF on MyMathLab**	Final Exam on campus TF on MyMathLab	**Thursday, 12/3 at 12:00pm : Final Exam on Campus in DAL2-242** **Sunday, 12/6: TF** on MML