University of North Texas at Dallas
Fall   2016
SYLLABUS for MATH 1100D (College Algebra)

Department of	Math & Info Sciences	School of	Liberal Arts and Sciences

Instructor Name:	**Dr. Vinod Arya**
Office Location:	**DAL 2-226**
Office Phone:	**972-338-1375**
Email Address:	Vinod.arya@untdallas.edu

Office Hours:	**MW 9-10 am, M 11:30 am – 1 pm, W 12:30 pm – 1 pm, MW 2:30 pm – 3:00 pm**

Classroom Location:	*Online*
Class Meeting Days & Times:	**Online**

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.
Required Course Material	**MyMathLab software - Access via Blackboard.**

Access to Learning Resources:	UNT Dallas Library:
	       phone: (972) 780-1616
	       web: http://www.untdallas.edu/library
	       email: library@untdallas.edu
	UNT Dallas Bookstore:
	       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 -

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

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

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 and Cramer's Rule
5 Identify linear and nonlinear equations and solve them using appropriate methods
6 Use partial fractions

Online/Hybrid Course Outline

This schedule is subject to change by the instructor. Any changes to this schedule will be communicated in class or via class email or Blackboard announcement. Additional readings and activities may be added, these will be noted in the Readings and Activities/Assignments sections.

Schedule	Topic	Activities	Due Date
Week I	Preliminaries I	Complete Module I	8/28/16
Week II	Preliminaries II	Complete Module II	9/4/16
Week III	Equations and Inequalities I	Complete Module III	9/11/16
Week IV	Equations and Inequalities II	Complete Module IV	9/18/16
Week V	Graphs and Functions I	Complete Module V	9/25/16
Week VI	Graphs and Functions II	Complete Modules VI	10/2/16
Week VII	Graphs and Functions III	Complete Module VII	10/9/16
Week VIII	Polynomial and Rational Functions I	Complete Module VIII and *Mid-Term Exam Week*	10/23/16
Week IX	Polynomial and Rational Functions II	Complete Module IX	10/30/16
Week X	Polynomial and Rational Functions III	Complete Module X	11/6/16
Week XI	Exponential and Logarithmic Functions I	Complete Module XI	11/13//16
Week XII	Exponential and Logarithmic Functions II	Complete Module XII	11/20/16
Week XIII	Systems of Equations and Inequalities	Complete Module XIII	11/27/16
Week XIV	Partial Fractions and Determinants	Complete Module XIV	12/4/16
Week XV	Preparation for Final Exam	*Final Exam Week*	12/9/16

NOTE: THE MID-TERM AND THE FINAL EXAM WILL BE GIVEN ON THE CAMPUS ACCORDING TO THE FOLLOWING SCHEDULE.

Exam	Date	Time	Venue
Mid-Term Exam (Modules I – VIII)	10/21/16	12:00 PM – 2:00 PM	UNTD
FINAL EXAM (Modules IX - XIV)	12/9/16	12:00 PM – 2:00 PM	UNTD

Course Evaluation Methods

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

Homework Assignments

Quizzes

Exams

Grading Matrix:

Activities/Assignments	Value (percentages)
Homework	25%
Quizzes	25%
Mid-Term Exam (Modules I through VIII)	25%
Final Exam (Modules IX through XIV)	25%
Total:	**100%**

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

University Policies and Procedures

Students with Disabilities (ADA Compliance):

Chapter 7(7.004) Disability Accommodations for Students

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 Building 2, room 204.

Blackboard Learn Accessibility Statement:
University of North Texas at Dallas is committed to ensuring its online and hybrid courses are usable by all students and faculty including those with disabilities. If you encounter any difficulties with technologies, please contact our ITSS Department. To better assist them, you would want to have the operating system, web browser and information on any assistive technology being used. Blackboard Learn course management system's accessibility statement is also provided: http://www.blackboard.com/Platforms/Learn/Resources/Accessibility.aspx

NOTE: Additional instructional technology tools, such as Turnitin, Respondus, Panopto, and publisher cartridge content (i.e. MyLab, Pearson, etc.) may NOT be fully ADA compliant. Please contact our Disability Office should you require additional assistance utilizing any of these tools.

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.

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.untdallas.edu/sites/default/files/page_level2/pdf/policy/7.002%20Code%20of%20Academic_Integrity.pdf
for complete provisions of this code.

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.

Web-based Plagiarism Detection: Please be aware in some online or hybrid courses, students may be required to submit written assignments to Turnitin, a web-based plagiarism detection service, or another method. If submitting to Turnitin, please remove your title page and other personal information.

Classroom Policies

Online Attendance and Participation:

The University attendance policy is in effect for this course. Class attendance in the Blackboard classroom 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 the discussion board. Online presence and participation in all class discussions is essential to the integration of course material and your ability to demonstrate proficiency.

Attendance for this online or hybrid course is considered when you are logged in and active in Blackboard, i.e., posting assignments, taking quizzes, or completing Discussion Boards. To maintain financial aid award eligibility, activity must occur before the census date of the session or term of the course. Refer to
http://www.untdallas.edu/registrar for specific dates. If you are absent/not active in the course shell, it is YOUR responsibility to let the instructor know immediately, upon your return, the reason for your absence if it is to be excused. All instructors must follow university policy 7.005 covering excused absences; however, it is the instructor's discretion, as outlined in the course syllabus, of how unexcused absences may or may not count against successful completion of the course.

Contacting Me: In case of a difficulty or question, the best way is to contact me via email at
vinod.arya@untdalls.edu. I will usually respond to your email in 24-48 hours.

Inclement Weather and Online Classes: Online classes may or may not be effected by campus closures due to inclement weather. Unless otherwise notified by your instructor via e-mail, online messaging, or online announcement, students should assume that assignments are due as scheduled.

Online "Netiquette:
In any social interaction, certain rules of etiquette are expected and contribute to more enjoyable and productive communication. Emails, Discussion Board messages and/or any other forms of written communication in the online environment should use proper "netiquette" (i.e., no writing in all caps (usually denotes yelling), no curse words, and no "flaming" messages (angry, personal attacks).

Racial, ethnic, or gender slurs will not be tolerated, nor will pornography of any kind.

Any violation of online netiquette may result in a loss of points or removal from the course and referral to the Dean of Students, including warnings and other sanctions in accordance with the University's policies and procedures. Refer to the Student Code of Student Rights Responsibilities and Conduct at http://www.untdallas.edu/osa/policies. Respect is a given principle in all online communication. Therefore, please be sure to proofread all of your written communication prior to submission.

Diversity/Tolerance Policy:
Students are encouraged to contribute their perspectives and insights to class discussions in the online environment. 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 Dean of Students as the instructor deems appropriate.

Technology Requirements: In order to successfully access the materials in an online or hybrid course, UNT Dallas advises that your computer be equipped with the minimum system requirements.

Blackboard Learn 9.1 is the platform software for this course. Blackboard Learn supports major web browsers such as Windows Internet Explorer, Apple Safari, Mozilla Firefox, and Google Chrome. However, since the latter two are updated continually, some recent versions may not be compatible. If you experience difficulty accessing or using components of the course, try using Internet Explorer. Also, no matter what browser you use, always enable pop-ups. For more information see:

- http://www.untdallas.edu/dlit/ecampus/requirements
- https://blackboard.secure.force.com/publickbarticleview?id=kAB700000008Oom
- https://learn.unt.edu/bbcswebdav/institution/BrowserCheck/check_full.html