University of North Texas at Dallas
Spring 2014
SYLLABUS

MATH 1100 D:090 : COLLEGE ALGEBRA		3 Hrs

Department of	Mathematics and Information Sciences	Division of	Liberal Arts and Life Sciences

Instructor Name:	*Vinod Arya*
Office Location:	**DAL2-226**
Office Phone:	**972-338-1375**
Email Address:	*vinod.arya@unt.edu*

Office Hours:	**MW 9:00 -10:00 am; M 11:30 am – 12:50 pm; and TR 12:00 -3:00 pm (by appointment)**
Virtual Office Hours:	*None*

Classroom Location:	*DAL2-212*
Class Meeting Days & Times:	**MW 1:00 pm – 2:20 pm**

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. Prerequisite(s): 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.

Co-requisites:	**None**
Required Text:	**College Algebra** ᵗʰ by Michael Sullivan and MyMathLab software. **Code: arya05625**

Recommended Text and References:	

Access to Learning Resources:	UNT Dallas Library: phone: (972) 780-3625; web: http://www.unt.edu/unt-dallas/library.htm UNT Dallas Bookstore: phone: (972) 780-3652;

Course Goals or Overview:	
	The goal of this course is to prepare students to be able to take other higher level

Learning Objectives/Outcomes:	At the end of this course, the student 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
4	Solve systems of equations using determinants
5	Identify linear and nonlinear equations and solve them using appropriate methods
6	Use Binomial Theorem and partial fractions
7	Distinguish between a relation and a function

Tentative Course Outline

This schedule is subject to change by the instructor. Any changes to this schedule will be communicated by announcement in class and/or email.

SECTIONS	TIMELINE (WEEK)
1.1, 1.2,	I
1.3, 1.4, 1.5	II
21., 2.2, 2.3,	III
2.4,2.5, 3.1,	IV
3.2, 3.3, 3.4, Review, **Exam I**	V & VI
3.5, 3.6, 4.1, 4.2	VII
4,3, 4.4, 4.5, 5.1	VIII
5.2, 5.3, 5.4, 5.5	IX
Review, **Exam II**	X
6.1, 6.2, 6.3, 6.4	XI
6.5, 6.6, 6.7, 6.8	XII
8.1, 8.3, Review, **Exam III**	XIII
8.5, 8.6, 8.7	XIV
9.5, Review	XV
Final Exam	XVI

Course Evaluation Methods

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

Grading Matrix:

Instrument	Value (points or percentages)	Total
Online/In-class Chapter Homework Assignments	20%	20%
Online/In-class Quizzes	20%	20%
3 tests	2 at 20% each	40%
Comprehensive Final Exam	20%	20%
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):
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.

Assignment Policy:
No late homework assignments will be accepted. A missed home-assignment is worth zero. No makeup tests and quizzes will be given, except for documented emergencies.

Exam Policy:
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 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.

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.

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 (see Student's Rights, Responsibilities & Conduct) as the instructor deems appropriate.

Other Policies:

Use of cell Phones in the class is prohibited. No Food and Drink is allowed in the class. An Incomplete Grade "I" will be awarded only in exceptional circumstances and per university rules (see catalog). Students are responsible for meeting all university deadlines (registration, fee payment, prerequisite verification, drop deadlines etc.). See university catalog and/or schedule of classes for policies and dates.