

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

<b>MATH 1100: College Algebra 3 HRS</b>			
<b>Department of</b>	<b>Mathematics and Information Sciences</b>	<b>School of</b>	<b>Liberal Arts</b>
<b>Instructor Name:</b>		<b>Sandra Ingram-Jones</b>	
<b>Office Location:</b>			
<b>Office Phone:</b>		469-607-9657	
<b>Email Address:</b>		Sandra.Ingram-Jones@untdallas.edu	
<b>Office Hours:</b>		<b>Tuesday and Thursday 7pm to 8 pm, by appointment</b>	
<b>Course Format/Structure:</b>		<b>Face to Face</b>	
<b>Classroom Location:</b>		<b>DAL 2 338</b>	
<b>Class Meeting Days &amp; Times:</b>		<b>Tu Th 5:30 pm – 6:50 pm</b>	
<b>Course Catalog Description:</b>		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.	
<b>Prerequisites:</b>		Two years of high school algebra and one year of geometry, and consent of department.	
<b>Co-requisites:</b>		A grade of C or better in MATH1100 is required when MATH1100 is prerequisite for other mathematics courses.	
<b>Required Text:</b>		MyMathLab (Standalone Access Code) Edition: 4 <sup>th</sup> Access to MyMathLab, Course Code: <b>Ingram-jones80755</b>	
<b>Recommended Text and References:</b>		<b>College Algebra (without MyMathLab) Edition: 10<sup>th</sup> by Michael Sullivan</b>	
<b>Access to Learning Resources:</b>		UNT Dallas Library: (Founders Hall) phone: (972) 780-1616 web: <a href="http://www.untdallas.edu/library">http://www.untdallas.edu/library</a> e-mail: <a href="mailto:Library@untdallas.edu">Library@untdallas.edu</a> UNT Dallas Bookstore: (Building 1) phone: (972) 780-3652 web: <a href="http://www.untdallas.edu/bookstore">http://www.untdallas.edu/bookstore</a> e-mail: <a href="mailto:untdallas@bkstr.com">untdallas@bkstr.com</a>	
<b>Course Goals or Overview:</b> 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.			

<b>Learning Objectives/Outcomes:</b> 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
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

### 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.

Week	Section
1.	1.1 and 1.2
2.	1.3/1.4 and 1.4/1.5
3.	2.1/2.2 and 2.2/2.3
4.	2.4/2.5 and <b>Exam 1</b>
5.	3.1/3.2 and 3.2/3.3
6.	3.4/3.5 and 3.5/3.6
7.	4.1/4.2 and <b>Exam 2</b>
8.	4.3/4.4 and 4.4/4.5
9.	5.1/5.2 and 5.2/5.3
10.	5.4/5.5 and <b>Exam 3</b>
11.	6.1/6.2 and 6.2/6.3
12.	6.4/6.5 and 6.6/6.7
13.	6.8/8.1 and <b>Exam 4</b>
14.	8.3/8.5/8.6
15.	8.7/9.5 and Review
16.	<b>Final Exam – December 13, 2016 at 5 pm to 7 pm</b>

### 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:

<b>Instrument</b>	<b>Value (points or percentages)</b>	<b>Total</b>
Online Chapter Homework Assignments	20 @ 10 pts each	200
In-Class Quizzes	10 @ 10 pts each	100
4 tests	4 @ 100 pts each	400
Final Exam (Comprehensive)	300 points	300
<b>TOTAL:</b>		<b>1000</b>

### **Grade Determination**

**A = 1000 – 900 pts; i.e.90% or better**

**B = 800 – 899 pts; i.e.80 – 89 %**

**C = 700 – 799 pts; i.e.70 – 79 %**

**D = 600 – 699 pts, i.e.60 – 69 %**

**F = 599 pts or below; i.e. less than 60%**

### **Math Lab Hours for Fall 2016 are as follows:**

Monday and Wednesday	9 am to 7 pm
Tuesday and Thursday	10 am to 7 pm
Friday	5 pm to 7 pm
Saturday	10 am to 3 pm

### **Technology Use Policy:**

Using technology, when appropriate, is allowed. We will be using TI 83, TI 83 Plus, TI 84, TI 84 Plus or equivalent.

### **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)

**CoursEval 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:** There will be different online quizzes and homework assignments that every student needs to complete on line using MyMathLab. Each student should buy an access code for

MyMathLab to get access to these assignments. Students must purchase and register in MyMathLab (MML) by the 3<sup>rd</sup> class meeting. Students may access MML at any general access lab on campus. More information about the due dates of the assignments will be announced in class.

**Exam Policy:** Exams should be taken as scheduled. No makeup examinations will be allowed except for documented emergencies (See Student Handbook). All requests for make-up exams MUST be submitted to the instructor in writing, with the supported documents. It is imperative that you contact your instructor as soon as possible (do **NOT** wait until you return to 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 (Policy 7.002) at [http://www.untDallas.edu/sites/default/files/page\\_level2/pdf/policy/7.002%20Code%20of%20Academic%20Integrity.pdf](http://www.untDallas.edu/sites/default/files/page_level2/pdf/policy/7.002%20Code%20of%20Academic%20Integrity.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](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:**

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>

*Class attendance and participation is expected because the class is designed as a shared learning experience and because essential information not in the text book 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 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)