

University of North Texas at Dallas
Spring 2015
SYLLABUS

MATH 1581.030		A Survey of Mathematics with Applications		4Hrs
Department of	Mathematics and Information Sciences	School of	Liberal Arts & Life Sciences	
Instructor Name:	Dr. Noureen Khan			
Office Location:	DAL2- 223			
Office Phone:	972 338 1567			
Email Address:	noureen.khan@unt.edu (preferred address for prompt response) Emails must sent from myunt.edu account and include Class/Section/Student Id in the subject line.			
Office Hours:	Friday	10:00 pm – 12:00 pm, or by appointments.		
Virtual Hours:	Tuesday & Thursday	12:00 pm – 2:00 pm		
On Campus Class Meetings	1. Friday, January 23 rd (First Meeting) (optional) 11:00 am – 12:00pm 2. Friday, March 27 th (Mid Term Exam) (DAL2 -136) 1:00 pm – 3:00 pm 3. Monday, May 11 th (Final Exam) (DAL1 -226) 1:00 pm – 3:00 pm			
Math Lab <i>DAL1, 3rd floor</i>	UNT Dallas Math Lab located in DAL 1- 3rd floor, is an open lab where you can do your math homework and also make appointments for Individual Tutoring or Group Study Sessions. You can make online appointments at http://dallas.unt.edu under the ' <i>Advising and Tutoring</i> ' tab.			
Course Catalog Description:	Survey of Mathematics with Applications and Algebra Review. 4 hours. An alternate version of MATH1580 for students identified in the mathematics placement process as requiring supplemental instruction to strengthen their algebra skills. A grade of C or better is required for this course to serve as prerequisite. MATH 1580/81 is not intended to prepare students for calculus, science, engineering or business courses. Students may not receive credit for both MATH 1580 and MATH 1581. Satisfies the Mathematics requirement of the University Core Curriculum.			
Course Description:	Survey of Mathematics with Applications: Topics include probability, statistics, algebra, logic and the mathematics of finance. Additional topics are selected from geometry, sets, cryptography, fair division, voting theory and graph theory. Emphasis is on applications. Recreational and historical aspects of selected topics are also included. Technology is used extensively.			

Text Book : (optional)	A Survey of Mathematics with Applications, Expanded 9th Edition, by Angel, Abbott and Runde. ISBN-13: 9780321759665
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Required Assignment Software MML	<p>MyMathLab(MML) software is the main platform for this course, providing online versions of homework assignment and self-paced algebra learning service. It comes with free electronic text books.</p> <p>The MML course ID for this class is: khan90192</p> <p>First time students must use MML link from blackboard to access and register for MML, after that may use www.coursecompass.com website to access MyMathLab directly.</p> <p>Help for MyMathLab is available at http://247pearsoned.custhelp.com. For SUPPORT fast assistance; choose chat to “talk” to a technical support person. Students can also call 1-800-677-6337 for assistance from Pearson, ask their instructor or inquire at the Academic Resource Center.</p>
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Access to Learning Resources:	<p>UNT Dallas Library: http://www.unt.edu/unt-dallas/library.htm phone: (972) 780-3625;</p> <p>UNT Dallas Bookstore: phone: (972) 780-3652; e-mail: 1012mgr@fheg.follett.com</p>
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Course Evaluation Methods: This course will utilize the following instruments to determine student grades and proficiency of the learning outcomes for the course.

- My Math Lab Home Work and Online Activity
- Weekly Quizzes and Chapter Tests
- Mid Term Exam – (in-class)
- Project Report -
- Final Exam – Comprehensive Final Exam.

Grading Matrix:

Instrument	Value (percentages)	Grade Determination:	
		Grade	Percentage %
Homework & Online Activity	20 %		
Weekly Quizzes & Chapter Exams	30%	A	90 or better
Mid Term Exam	20 %	B	80 – 89
Project	5%	C	70 – 79
Final Exam (Comprehensive)	25 %	D	60 – 69
Total:	100 %	F	less than 60

Calculator Policy: GRAPHING CALCULATOR:

TI 83, TI 83 Plus, TI 84, TI 84 Plus or equivalent is **required** for this class.

Course Objectives:

The goal of this course is to introduce students to sets, logic, number theory, algebra, linear programming, probability and statistics.

Learning /Outcomes:

Upon successful completion of this course, the student will be able to

1	Communicate mathematics and use technology to solve problems
2	Demonstrate understanding of financial mathematics
3	Demonstrate understanding of probability and basic statistics
4	Demonstrate understanding of voting methods, apportionment methods, their theory and uses
5	Demonstrate understanding of basic logic
6	Demonstrate understanding of graph theory basics

Gen Ed Learning Outcomes:

Upon successful completion of this course, the students will

- Explore Mathematics, English, Arts and Humanities, Natural Sciences, Social and Behavioral Sciences
- Make connections between different areas of knowledge and different ways of knowing.
- Be able to locate, evaluate and organize information including the use of information technologies
- Think critically and creatively, learning to apply different systems of analysis.
- Develop problem solving skills that incorporate multiple viewpoints and differing contexts in their analysis.
- Cultivate intellectual curiosity and self-responsibility, building a foundation for life-long learning.

CLASS RULES:

- ***Come prepared!*** This includes bringing Photo ID, calculator, notebook, & textbook etc.
- Use of Cell Phones & other Electronic Gadgets (Laptops, IPADS, etc.) other than class related work is strictly prohibited in the classroom and during testing.
- Calculators cannot be shared during exams.
- Do not expect Extra Credit assignments or extensions.
- **No cheating will be tolerated.** Anyone caught cheating will receive an **F** for the course.

Cheating includes receiving help from anyone or anything that is not allowed on quiz, test or final exam.

Assignments due dates Policy:

Weekly assignments will typically open at **12:00 am** and due on **Monday or Friday at 11:59 pm**, unless otherwise specified.

COURSE FORMAT:

This is a distance learning online course. The class will meet face to face only three times during the semester, see the meeting schedule details below. The course website on Blackboard has seventeen WEEKLY MODULES for the semester, where course material and required assignments are available. You can also access all learning aids under multimedia tab in MyMathLab. In a weekly module, you will be learning through electronic textbook, course supplements that include power point and lecture notes, videos and animated examples. You will do two homework assignments per week, each followed by a short quiz after completion of reading and watching videos. At the end of each chapter, you will take a Chapter- Test and to ensure the mastery of content, a Study Plan (pre-requisite) is set as a chapter review. The study plan is NOT part of your grades, however; its completion is mandatory for taking a Chapter- Test.

On the exam days (in class), you are expected to come prepared, that includes bringing a **valid picture ID** and completion of all course material as outlined in the weekly modules posted on blackboard. Read and understand class policy by exploring every tab under the course menu panel.

Class Meeting Schedule (face to face) at UNT Dallas campus:

1. Friday, January 23rd @ 11:00 am – 12:00pm (First Meeting) (optional)
Will meet in DAL2 – 223 for course introduction.
2. Friday, March 27th @ 1:00 pm – 3:00 pm
Will meet in DAL2 -136 for Mid Term Exam.
3. Monday, May 11th @ 1:00 pm – 3:00 pm
Will meet in DAL1 -226 for Comprehensive Final Exam.

Math1581.030 is NOT **SELF PACED** course; however, you will complete academic work in a flexible manner. Due to the nature of this course, all assignments have weekly deadlines with no possible extension. The attendance for face to face meetings is required and there will be absolute no make up for missing exams. Students are responsible for all information provided on blackboard or posted online regardless of his/her internet or technology problems. This includes any changes made to due dates of homework assignments and exam dates that were announced in class or online. It is your responsibility to learn of all important stuff you missed. Stay active on discussion board with several members of your class so that you have multiple sources of information in case of a personal emergency.

REQUIRED INITIAL ASSIGNMENT:

In accordance with US Department of Education guidance regarding class participation, this class requires the following first-week assignments:

- 1) Attending the first meeting on Campus, or
Posting self-introduction on Blackboard discussion board.
- 2) Registering at Course Compass/ MyMathLab software,
- 3) Completing the MyMathLab- Week 1 assignments.

MyMathLab must be purchased and you must be registered by the 8th day of the class, failure to do that may result administratively drop from the course. If you have any questions about your assignments, or you are unable to complete your assignments, please contact me soon enough before due date.

TESTING:

Math 1581 is an intensive, accelerated course, and requires semester long hard work commitment from you. You will take midterm and comprehensive final exam in class (face to face) on UNT Dallas campus, see the attached schedule. It's your responsibility to make arrangement with work or anywhere else, in case of conflict with exam times. No makeup examinations will be allowed except for documented emergencies (See Student Handbook). 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 business day after the missed exam. You must bring an approved graphing calculator, pencils, and your student ID card or driver's license for midterm and final exam.

WEEKLY PROCEDURE:

You will have two homework assignments due every week, with unlimited number of attempts of answers. After you finish homework, you will take a short quiz (3 attempts for each question) over that homework. It's advised to take the quiz right after you complete a homework assignment. After a chapter completion, you will work on a Study Plan (chapter review), which is designed to prepare you for the chapter test, however; study plan not part of any grades. To ensure the mastery of the content, the Study Plan is mandatory and pre-requisite for the chapter tests, midterm exam and the final exam. On a chapter exam, you will have **two attempts** to answer a test question, so prepare enough and answer carefully. At the end of semester, one lowest chapter test grade will be dropped from your final grade. Weekly assignments will typically be available and due each **Monday or Friday at 11:59 pm**, unless otherwise specified. Every week, textbook sections are assigned according to the tentative schedule on the syllabus.

For each weekly module:

1. Read the assigned section in the course textbook (hardcover or e-text).
2. Watch the lecture videos, and other multimedia resources available on MyMathLab.
3. Complete the assigned homework on time and take quiz over that homework.
4. Work diligently on the Study Plan and take chapter test when available.
5. Complete Study Plan before coming for midterm and final exam on UNTD campus.

COMMUNICATIONS:

Due to the nature of this class, you have flexibility of doing assignments at your convenient time, however there will be no extensions to any assignment. So, pay attention to deadlines and complete your work on time and don't delay or wait for the last minute, there will be absolutely NO EXTENSIONS! If you have any question or want to discuss an issue, send me an email at: noureen.khan@unt.edu. This is my preferred email, and you should use only this address for prompt responses. My email response time is less than two business day. Please DONOT USE BLACKBOARD EMAIL for communications, blackboard emails may take longer (up to a week) for replying back.

You can visit my office or meet virtually during posted hours or by sharing your Skype ID. Use UNT email address and include your class/ section/ student ID in subject for all email communications. You can also call my office in case you seek verbal response, I am available at 972 338- 1567 during listed office hours. Class attendance is mandatory for the scheduled meetings; make sure you arrive on time, bring your valid picture ID and sign-in and sign-out for each meeting.

Statement regarding use of email and extension requests:

- Emails about assignments extension request may not be replied due to heavy electronic communication load and course syllabus policy.
- Emails sent from other than UNT email address and/ or without student- ID and Class and Section number may go to junk (SPAM) folders, and may not be replied.
- Emails about grades or grades related questions may not be replied.
- Emails sent to blackboard account may take longer response time.
- Emails regarding personal matters or irrelevance to the course will go unanswered.

10 STEPS for SUCCESSFUL SEMESTER

Math 1581.030 is an intensive, accelerated course. The course material and entire semester schedule is posted on the syllabus. You must complete all homework assignments, quizzes and tests on time, **NO MAKE-UPS or EXTENSIONS** will be given.

Here are few steps that will help you to succeed in this class:

1. Purchase and register the class on MyMathLab (MML). You can buy MML software by itself, buying a hardcover text book is optional since electronic text book is included in MML.
2. Registration period for MML will end on Jan 30, and you may administratively drop from the class. More importantly, delay will throw you back in all assignments.
3. Log-in to MML several times a week, all homework assignments are open for at least a week and you have unlimited number of attempts.
4. Early submission has no penalty; you can work on multiple assignments at a time and submit them before time. You will complete two homework and two quizzes weekly.
5. Study Plans are mandatory for chapter tests, but not part of your grades, so make sure you finish study plan well before taking a chapter test.
6. At the end of semester, your lowest (one) chapter test grade and lowest (one) quiz grades will be dropped, with proof of SETE completion.
7. Midterm and Final exams must be taken on campus, in class and cannot be rescheduled. If you have any conflict with work or anything else, make arrangements beforehand.
8. You must arrive on time and be well prepared for in class testing, no exceptions.
9. At the end of semester, complete SETE on **myunt** website.
10. Feel free to discuss any issue or difficulty you may have understanding the course material or class policy, I am available to help and to make you successful is my mission. Good Luck.

NOTE:

This is tentative schedule and subject to change at the discretion of the instructor at any time.

Monday & Wednesday	Module	TOPICS
1/20/2015	Week 1	Syllabus & Blackboard Friday, January 23 rd @ 11:00 am – 12:00pm
1/26/2015	Week 2	Chapter 3 Logic
2/02/2015	Week 3	Chapter 3 Logic
2/09/2015	Week 4	Chapter 6 Algebra
2/16/2015	Week 5	Chapter 6 Algebra
2/23/2015	Week 6	Chapter11 Consumer Mathematics
3/02/2015	Week 7	Chapter11 Consumer Mathematics
3/09/2015	Week 8	Chapter15 Project
3/16/2015	Week 9	Spring Break
3/23/2015	Week 10	MID-TERM EXAM (IN CLASS) Friday, March 27 th @ 1:00 pm – 3:00 pm
3/30/2015	Week 11	Chapter 12 Probability
4/06/2015	Week 12	Chapter 12 Probability
4/13/2015	Week 13	Chapter 13 Statistics
4/20/2015	Week 14	Chapter 13 Statistics
4/27/2015	Week 15	Chapter 14 Graph Theory
5/04/2015	Week 16	Chapter 14 Graph Theory
5/11/2015	Week 17	FINAL EXAMINATION (IN CLASS) Monday, May 11 th @ 1:00 pm – 3:00 pm

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 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.

Academic Integrity:

Academic integrity is a hallmark of higher education. You are expected to abide by the University's code of conduct and Academic Dishonesty 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 Conduct at http://www.unt.edu/csrr/student_conduct/index.html for complete provisions of this code.

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 3 classes, with or without excuse) may result in being dropped from the class or receiving an F for the course.***

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.

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.