

University of North Texas at Dallas
Summer 5W1 - 2015
SYLLABUS

MATH 1581.030		A Survey of Mathematics with Applications		4Hrs
Department of	Mathematics and Information Sc.	School of	Liberal Arts & Life Sc.	
Instructor Name:	Dr. Noureen Khan			
Office Location:	DAL2- 223			
Office Phone:	972 338 1567			
Email Address:	noureen.khan@unt.edu , Use this address for prompt responses. Emails must sent from myunt.edu account and include Class/Section/Student ID in the subject line.			
Office Hours:	Monday – Thursday	12:00 pm – 1:00 pm, or by appointments.		
Virtual Hours:	Monday – Thursday	1:00 pm – 2:00 pm		
On Campus Class Meetings	1. <u>Orientation</u> (optional) Monday, June 8 th at 9:00 am – 11:00 am, room # DAL2 -212 2. <u>Mid Term Exam</u> Thursday, June 25 th at 9:00 am – 11:00 am, room # DAL2 -136 3. <u>Final Exam</u> Thursday, July 9 th at 9:00 am – 11:00 am, room# DAL2 - 136			
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 textbook.</p> <p>The MML course ID for this class is: “khan86867”</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 the 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@fhcg.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 BBL Activities
- Quizzes
- Mid Term Exam – (on UNTD campus)
- Final Exam – Comprehensive Final Exam (on UNTD campus)

Grading Matrix:			
Instrument	Value (percentage)	Grade Determination:	%
Homework & BBL Activity	20%	A	90 or better
Quizzes	25%	B	80 – 89
Mid Term Exam	25%	C	70 – 79
Final Exam (Comprehensive)	30 %	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

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|---|---|
| 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 basic logic |
| 5 | 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, Social and Behavioral Sciences
- Make connections between different areas of knowledge and different ways of knowing.
- Be able to evaluate and organize information including the use of information technologies.
- Think critically and creatively, learning to apply different systems of analysis.
- Develop the problem solving skills to incorporate multiple viewpoints and differing contexts.
- Cultivate intellectual curiosity and self-responsibility, building a life-long learning foundation.

On Exam Day:

- ***Come prepared!*** This includes bringing valid Photo ID, calculator, notebook 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 exam.
- 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:

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

COURSE FORMAT:

Math 1581.030 is an accelerated distance learning (online) summer 5W1 course. The class will meet face to face only **two times** during the semester, see the meeting schedule details. The course website on Black Board Learn (BBL) has FIVE WEEKLY MODULES for the semester, where course material and required assignments are available, linked to MyMathLab (MML) where all learning aids are available under multimedia tab. In a weekly module, you will learn through electronic textbook, course supplements that include power point and lecture notes, videos, animated examples and other helpful web resources. You will have a homework assignment followed by a short quiz after completion of reading and watching the lecture videos. For simplicity, all assignments are open at **12:00 am** and due at **11:59 pm** on **Monday, Wednesday and Friday**, unless otherwise specified. At the end of each chapter, you will take Chapter-Quiz to ensure the mastery of chapter contents. To each Chapter-Quiz, a Study Plan (pre-requisite) is assigned as chapter review and to prepare you better. The study plans are NOT part of your grades, however; its completion is mandatory for taking a Chapter- Quiz, Midterm and Final exams.

The Midterm and Final exams will be given on campus in a live classroom (face to face), there is no exceptions for taking them elsewhere. If you are unable to come on campus for those two days (see the schedule), you should not register for this class. On exam days, you are expected to come well prepared, that includes completion of exam's Study Plan and all other assignments outlined in the weekly modules. A **valid picture ID** is also required testing. On Blackboard, read and understand the course syllabus policy by exploring every tab under the course menu panel.

Class Meetings Schedule on UNT Dallas campus:

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|------------------------------------|---------------------------|------------------------------------|
| 1. Monday, June 8 th | 9:00 am – 11:00am | (optional orientation) (DAL2 -212) |
| 2. Thursday, June 25 th | 9:00 am – 11:00 am | (Mid Term Exam) (DAL2 -136) |
| 3. Thursday, July 9 th | 9:00 am – 11:00 am | (Final Exam) (DAL2 - 136) |

Math1581.030 is NOT **SELF PACED** course; however, you will complete academic work in a flexible manner. Due to nature of this course, all assignments have firm deadlines with no possible extension. The attendance for in class testing is required and there will be absolute no make up for missing exams. It's your responsibility for have all updated information provided on blackboard or posted online regardless of internet or technology problems. This includes any changes made to the due dates of homework assignments and exam dates that were announced or posted online. 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 assignments in first week:

- 1) Attending the first orientation meeting on Campus, or Posting self-introduction on Blackboard discussion board.**
- 2) Registering for MyMathLab software, and completing first two assignments.**
- 3) Sending me an email at noureen.khan@unt.edu that you understand and agree with the course policy.**

MyMathLab must be purchased and you must be registered by the 2nd day of the class June 10th, failure to do that may result administratively drop from the course. If you have any question, contact me at any time or visit me in the office, I am available Monday – Thursday from 7:00 am - 3:00 pm.

TESTING:

Math 1581- is an intensive, accelerated 5 weeks summer course, and requires hard work commitment of all five weeks. You will take two exams, Midterm and comprehensive final exam in classroom setting on UNT Dallas campus: see the attached exam schedule. It's your responsibility to make arrangement with work or anywhere else, in case of conflict with the exam days. If you are unable to make it on campus for exam days, you should not register for this class. Due to short time frame of this class, NO makeup examinations are possible. Bring a graphing calculator, pencils, and a valid ID card for both midterm and final exam.

WEEKLY PROCEDURE:

As a set rule, homework is assigned and due on Monday, Wednesday and Friday with unlimited number of attempts of answer. After doing homework, you will take a short quiz (3 attempts for each question) over the completed sections. That is, every homework is followed by a short quiz both due on same day, but you will have at least two days for each assignment. Be advised to start early on a homework and take the quiz well before the deadline.

Once a chapter is completed, you will start on a Study Plan of that chapter. Study plan is no different than a chapter review, designed to prepare you better for upcoming Chapter Quiz. To ensure the mastery of the content, Study Plan is mandatory for taking a Chapter Quiz, however its not part of your course grades. Likewise, Study Plans are also required for midterm and final exams. On a Chapter Quiz, you will have two (2) attempts to answer, so prepare enough and answer carefully. Weekly assignments will typically be open and due on each **Monday, Wednesday and Friday at 11:59 pm**, unless otherwise specified. In weekly modules, 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 lecture videos, and other multimedia resources available on MyMathLab.
3. Complete assigned homework and short quiz on time, no penalty for doing before time.
4. Work diligently on the Study Plan and take Chapter Quiz when available.
5. Complete Study Plan before coming for midterm and final exams.

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 before or on time and don't delay or wait for the last minute, there will be absolutely NO EXTESIONS! 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 one business day. Please DONOT USE BLACKBOARD EMAIL for urgent 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 a 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 per UNT Dallas policy.
- 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, super fast summer course. The course material and entire semester schedule is posted on this syllabus. You must complete and submit all assignments: homework, quiz and test on time, **NO MAKE-UPS or EXTENTIONS** 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 comes free with MML.
2. Registration period for MML will end on June 10th, and after that anyone not registered may administratively drop from the class. More importantly, the delay will throw you back in all assignments.
3. Login to MML daily or several times a week, all homework assignments are open for at least two days before the due date 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 3-4 homework and quizzes weekly.
5. Study Plans are mandatory for Chapter Quizzes, but not part of your grades, so make sure you finish study plan well before taking a Chapter Quiz.
6. Midterm and Final exams must be taken on UNTD campus and in class. The exams cannot be rescheduled. If you have any conflict with work or anything else, make arrangements beforehand.
7. You must arrive on time and be well prepared for in class testing, no exceptions.
8. Complete SETE on UNT Dallas website under *myunt*. With proof of SETE completion, your lowest (one) quiz grades will be dropped.
9. Make a post on Discussion board that you have understood and agree with the course policy.
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.

Date	Module	TOPICS
6/08/2015	Week 1	Syllabus & Blackboard Monday, June 08 th @ 9:00 am – 11:00pm Chapter – 3 Logic & Chapter - 6 Algebra Review
6/15/2015	Week 2	Chapter – 11 Consumer Mathematics & Chapter – 6 Algebra Review
6/22/2015	Week 3	Chapter – 12 Probability MID-TERM EXAM (IN CLASS) Thursday, June 25 th at 9:00 am – 11:00 am
6/29/2015	Week 4	Chapter – 14 Graph Theory
7/6//2015	Week 5	Chapter – 13 Statistics FINAL EXAMINATION (IN CLASS) Thursday, July 9 th at 9:00 am – 11:00 am

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.

