University of North Texas at Dallas
Spring 2014
SYLLABUS

MATH 1581.060	**A Survey of Mathematics with Applications (Lab)**	1Hr

Department of	Mathematics and Information Sciences	**Division of**	Liberal Arts & Life Sciences
Instructor Name:	Dr. Noureen Khan		
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colspan	Allow two (2) business days for reply. Include course name, number and section and your full name in the subject header. Email without this information may not get opened.		
Office Hours:	Tuesday & Thursday 10:00 am – 11:30 am Wednesday 10: 00 am – 1: 00 pm or by appointment.		
Lab Meeting	In lab meetings: 1/22/14 , 03/19/14 and 05/07/14 See the attached schedule for more details.		
Lab Location:	DAL2 - 136		
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.		
Campus Internet Access:	UNT Dallas has many general access computer labs for student learning. You can work in the lab or check out a laptop from help desk.		
UNT Dallas Math Lab	Mathematics Lab Location: (Bldg#1, 3rd floor) The Mathematics Lab hours are from 10am until 7pm Monday, Tuesday, Wednesday, & Thursday.		
Lab Description: ALEKS:	Math 1581 has a required lab component that requires Algebra Review content and will comprise 25% of your course grade.. Instructions for logging into ALEKS are included in this syllabus.		
Required Assignment Service	Students must purchase 18 week ALEKS access code at www.aleks.com; Higher Education Semester Term Access. The course ID for this class is: **LQPMW-J4QPE**		

Access to Learning Resources:	UNT Dallas Library: http://www.unt.edu/unt-dallas/library.htm phone: (972) 780-3625; UNT Dallas Bookstore: phone: (972) 780-3652; e-mail: 1012mgr@fheg.follett.com

Course Contents (ALEKS):
- Module 1:   Real Numbers and Linear Equations,   - Module 2:   Graphs and Linear Equations,   - Module 3:   Exponents of Polynomials,   - Module 4:   Rational Expressions and Functions,   - Module 5:   Radicals and Quadratic Equations,   - Module 6:   Functions and Logarithms

Instructions to work on ALEKS:

- Register and purchase 18 week ALEKS access code at www.aleks.com.
  The Course ID for this class is: **LQPMW-J4QPE.**

- At your first sign- in to ALEKS, you will be given a tutorial on how to enter information, learn and pay close attention, take notes if necessary.

- After the tutorial, you will be given an initial assessment. Take the initial assessment seriously. ALEKS is programmed to determine your current knowledge level about this subject matter with the initial assessment and will place you for the rest of this course based on your performance.

- After the initial assessment, you will begin work in learning modes. Graphically, learning modules are represented by a pie that you will be working on completing this pie.

- Each module has a bench mark and should be completed before the deadline. You can access ALEKS from anywhere through internet and should complete each module timely.

- You will be given an assessment after completion of each module to ensure content mastery.

- You will take two comprehensive assessments on campus in the in the lab (see dates on the schedule).

- You can request and take a final assessment any time of the semester and a score of 90% will exit you from ALEKS with and you will receive full credit (25%) for the Algebra Review portion of the course. Final assessments are password protected and must be taken on campus in the supervision of lab attendant.

Lab Grading Matrix ALEKS:

Instrument	Value (percentages)	Points
Learning Modules (Pie)	10 %	40
Module Assessments	10 %	40
Final Assessments	5 %	20
Total:	**25 %**	**100**

Calculator Policy:

ALEKS provides an internal calculator whenever it is allowed for a problem. Otherwise, calculators are not allowed for ALEKS assignments and assessments.

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.

NOTE:

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

The lab assessments, (mid-term and final) are password protected and must be taken in the lab.

Wednesday	Meeting			TOPICS
1/15/14	Online		Registration	ALEKS Tutorial
1/22/14	**Lab**		**Module 1**	**Syllabus& Black-board**
1/29/14	Online		Module 1	Real Numbers and Linear Equations
2/05/14	Online		Module 1	Real Numbers and Linear Equations
2/12/14	Online		Module 2	Graphs and Linear Equations
2/19/14	Online		Module 2	Graphs and Linear Equations
2/26/14	Online		Module 3	Exponents of Polynomials
3/05/14	Online		Module 3	Exponents of Polynomials
3/12/14	Online		Module 3	Exponents of Polynomials
3/19/14	**Lab**			**Mid- term Assessment**
3/26/14	Online		Module 4	Rational Expressions and Functions
4/02/14	Online		Module 4	Rational Expressions and Functions
4/09/14	Online		Module 5	Radicals and Quadratic Equations
4/16/14	Online		Module 5	Radicals and Quadratic Equations
4/23/14	Online		Module 6	Functions and Logarithms
4/30/14	Online		Module 6	Functions and Logarithms
5/07/14	**Lab**			**Final Assessment**

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, <u>with or without excuse</u>) 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.