MATH 1351: Fundamentals of Mathematics II
01/18/2011 – 05/13/2011

Instructor: César Sánchez
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Office Hours: 9 – 2 PM T/TH
              Or by appointment
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Meet: 12:00 – 12:50 MWF
Text: MyMathlab software   Courseid: Sanchez36379

Math 1351: (3-0) 3 hours
Concepts of elementary and non-Euclidian geometry, probability, and statistics, as well as, applications of the algebraic properties of real numbers to concepts of measurement with emphasis on problem solving and critical thinking. This is intended for students who are planning on majoring in Elementary Education, especially designed for those students who seek 4-8 grade teacher certifications. (SCANS 3, 8, 9, 11)
Prerequisite: MATH 1314.

About the course: This course is intended to provide students with the skills necessary to use tools from mathematics and to learn different approaches at problem solving in a variety of contexts.

Learning Objectives: After completing this course, the student should be able to demonstrate competency in those competencies listed for the course.

*Tentative Course Outline
We will be covering chapters 7-9, and 11-13.

Methods of assessment: The expected learning outcomes for the class will be assessed through exams, in-class activities, homework, class discussions, case studies, and/or active learning activities. Group work outside of class is encouraged. You will have a midterm exam and comprehensive final exam.

Attendance: Attendance is not mandatory, but will be considered if final grade is border-line

Homework: Homework will be assigned and available by Sunday and due by Friday. The homework will be the basis of discussion during class. NO LATE HOMEWORK WILL BE ACCEPTED!

Grading: **Scale:**

Homework:	35%	90 – 100%	A
Discussion/case studies	25%	80 – 89%	B
Midterm	20%	70 – 79%	C
Final:	20%	Below 70%	F

Make-up: _**Absolutely no make-up tests will be given**_. This is why it is so important to attend class. If you miss, it is your responsibility to turn in homework <u>prior</u> to class. **No late homework** will be accepted.

Civility in the classroom: Students are expected to assist in maintaining a classroom environment which is conducive to learning. In order to assure all students have an opportunity to gain from time spent in class, troublesome behavior will not be tolerated. <u>This includes the use of cellular phones, making offensive remarks, reading newspapers, sleeping, bad attitudes, or engaging in any other form of distraction.</u> The instructor is authorized to take such steps as are necessary when the behavior of a student disrupts the normal classroom procedure.

Tutorials: Tutors are available in the Math Center. I strongly encourage the use of this resource.

Learning Resource Center (The Library)
The Library, known as the Learning Resources Center, provides research assistance via the LRC's catalog (print books, videos, e-books) and databases (journal and magazine articles). Research guides covering specific subject areas, tutorials, and the "Ask a Librarian " service provide additional help.

Student Email
Please access your Odessa College Student E-mail, by following the link to either set up or update your account: http://www.odessa.edu/gmail/. **All assignments or correspondence will be submitted using your Odessa College email.**

Student Portal

Technical Support
For Blackboard username and password help and for help accessing your online course availability and student email account contact the Student Success Center at 432-335-6878 or online at https://www.odessa.edu/dept/ssc/helpdesk_form.htm.

Important School Policies
For information regarding student support services, academic dishonesty, disciplinary actions, special accommodations, or student's and instructors' right to academic freedom can be found in the Odessa College Student Handbook.

SPECIAL NEEDS: Odessa College complies with Section 504 of the Vocational Rehabilitation Act of 1973 and the Americans with Disabilities Act of 1990. If you have any special needs or issues pertaining to your access to and participation in this or any other class at Odessa College, please feel free to contact me to discuss your concerns. You may also call the Office of Disability services at 432-335-6861 to request assistance and accommodations.

Date:	Section	Assignment
1/19	Introduction/ class procedures	go over syllabus, procedures
1/21	MyMathLab	Discussion, problem solving
1/24	7-1	MML
1/26	7-2	MML
1/28	Sphinx	Mindtrap

1/31	7-3	MML
2/2	7-4	MML
2/4	Alternative assessment	Case Study
2/7	8-1	MML
2/9	8-2	MML
2/11	Chain Link	Mindtrap
2/14	9-1	MML
2/16	9-2	MML
2/18	TBA	Case Study
2/21	9-3	MML
2/23	9-4	MML
2/25	DOND	expected value
2/28	9-5	MML
3/2	Uses of probability	MML
3/4	Dice/coin flip	Case Study
3/7	Midterm Part I	**Midterm**
3/9	Midterm Part II	**Midterm**
3/11	Midterm Part III	Midterm
3/13-3/19	spring break	spring break
3/21	11-1	MML
3/23	11-2	MML
3/25	Square Fountain	Mindtrap
3/28	11-3	MML
3/30	11-4	MML
4/1	magnifying glass	Mindtrap
4/4	12-1	MML
4/6	12-2	MML
4/8	Geometry self study	introduction
4/11	12-3	MML
4/13	12-4	MML
4/15	Geometry self study	questionnaire
4/18	13-1	MML
4/20	13-2	MML
4/22	Geometer's sketch pad	Case Study
4/25	Case study write up	Case Study
4/27	Case study write up	Case Study
4/29	Birthday Cake	Mindtrap
5/2	13-3	MML
5/4	13-3 continued	MML
5/6	Monte Carlo Method	Case Study
5/9-5/12	Thursday, 11-1:30 Final Exam	Final Exam
5/13	Fall Graduation	Fall Graduation