

**Math 1342.607**  
**MW 1:00 – 2:20, ET 122**  
**Mathematical Statistics – Face to Face**  
**01/18/2011 – 05/13/2011**

**Professor:** Dr. Krista Cohlmlia  
**Office:** ET 108B  
**Phone:** 335-6638  
**E-mail:** kcohlmlia@odessa.edu  
**Webpage:** <http://www.odessa.edu/dept/math/kcohlmlia>

Welcome to Statistics! This sheet will tell you about the course, including subject matter, homework, quizzes, exams and term grade. Almost all of your questions about the course can be answered by reading this handout. If anything is unclear, please do not hesitate to ask for clarification. *Good Luck!!!*

**MATH 1342 Mathematical Statistics** (27.0501.5119) (3-0)

3 hours

Introduces elements of statistics. Includes frequency distributions, measures of central tendency, elementary probability, binomial distribution, measures of variation, normal distributions, random sampling, tests of significance, t-test and chi-square test. The student will learn to select appropriate mathematical techniques and technologies and use skills in information organizing, processing, planning and problem solving. Recommended for students in education, social science and physical science as well as mathematics. (SCANS 3, 6, 8, 9) Prerequisite: MATH 0375 passed with a “C” or better or satisfactory placement score.

**Learning Outcomes**

After completing this course, the student should be able to demonstrate competency in:

- 1.0 Identifying basic statistical concepts.
- 2.0 Generating the arrangement and display of descriptive statistics.
- 3.0 Examining the three measures of central tendency.
- 4.0 Identifying methods of measuring variation.
- 5.0 Defining the terms probability, experiment, outcome, and event, calculating probabilities, and counting permutations and combinations.
- 6.0 Interpreting the normal curve.
- 7.0 Sampling distributions.
- 8.0 Testing hypothesis

**Required Materials**

Textbook: Elementary Statistics by Neil A. Weiss, 7th Edition, Addison-Wesley, 2008.

Supplies: Pencil, Paper, Scientific Calculator

**Term Grade**

Your term grade will be determined according to the following distribution:

	<b>Quizzes</b>	<b>Exams 1-3</b>	<b>Final Exam</b>
Percentage	15	60% total or 20% each	25
Drops	2	0	0

Quizzes will be given weekly on Wednesdays and will consist of previously assigned homework problems. As indicated above, your two (2) lowest quiz grades will be dropped before computing your term grade. ***There are no make-ups for missed quizzes.*** There are 3 midterm exams scheduled. The final will be *comprehensive*, and it cannot be dropped. The exams are tentatively scheduled for 2/16, 3/9 and 4/25. The final is scheduled for Monday, May 9 from 2:00 PM – 4:30 PM. Anyone who does not take the final exam will receive an F for the course.

Percentage (%)	Grade
90-100	A
80-89.9	B
70-79.9	C
60-69.9	D
Below 60	F

### **Homework**

Homework will be assigned at the end of each class. Although homework will not be collected or graded, it is in your best interest to complete the assignments, as each of these problems is fair game for quiz questions. If you do your homework, you will have seen the quiz problems in advance.

### **Attendance**

Although attendance is not factored into your term grade, attendance will be taken at the beginning of each class period.

### **Conduct**

All students will be expected to abide by the Odessa College Code of Classroom Etiquette. I have provided a copy for you. If you fail to abide by these rules, you will be asked to leave the classroom or be removed completely from the class. A further list of class rules can be found on the class website. This is titled the *Understanding Sheet*, and it can be found on our course website at <http://www.odessa.edu/dept/math/kcohlmia>. Your signature on this page will be your first quiz grade in the class.

### **Cheating**

Cheating is not tolerated in this class. The first time you are caught cheating, you will receive a 0 for that assignment. The second time you are caught cheating, you will be removed from the class permanently and receive an F for the course. If you are caught allowing someone to cheat from your work, the same punishment applies as that of the cheater.

### **Dropping**

The last day to drop a course at Odessa College for the spring semester of 2011 is Thursday April 14.

### **Tutoring**

Tutoring is available through Developmental Studies.

### **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.

### **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](http://www.odessa.edu/gmail/), 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.**

### **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](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.

Mathematical Statistics SP 2011			
Day	Date	Section	Quiz
W	19-Jan	1.1	
M	24-Jan	1.2 & 1.4	
W	26-Jan	2.1 & 2.2	1.1, 1.2, 1.4
M	31-Jan	2.3 & 2.4	
W	2-Feb	3.1 & 3.2	2.1-2.4
M	7-Feb	3.3	
W	9-Feb	3.4	3.1-3.3
M	14-Feb	Review	
W	16-Feb	Exam 1	No Quiz
M	21-Feb	5.1 & 5.2	
W	23-Feb	5.3 & 6.1	5.1-5.2
M	28-Feb	6.2 & 6.3	
W	2-Mar	7.1 & 7.2	5.3, 6.1-6.3
M	7-Mar	7.3 & review	
W	9-Mar	Exam 2	No Quiz
M	21-Mar	8.1 & 8.2	
W	23-Mar	8.2 & 8.3	8.1
M	28-Mar	8.4	
W	30-Mar	9.1 & 9.2	8.2-8.4
M	4-Apr	9.3	
W	6-Apr	9.5	9.1-9.3
M	11-Apr	10.1 & 10.2	
W	13-Apr	10.3	9.5, 10.1-10.2
M	18-Apr	10.4	
W	20-Apr	Review	10.3-10.4
M	25-Apr	Exam 3	
W	27-Apr	11.1	No Quiz
M	2-May	11.2 & 11.3	
W	4-May	Review	11.1-11.3
Monday May 9 2:00-4:30			