

**Math 1342.WBS**  
**Mathematical Statistics – CollegeNow – Seminole High – Web Based**  
**01/18/2011 – 05/13/2011**

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Welcome to Mathematical 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)

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**

Required Software: MyMathLab

Course ID: cohlmiia20292

Optional Textbook: Elementary Statistics by Weiss, 7th Edition, Boston: Addison Wesley Publishing Co.

**Technology:**

Online students must have a valid e-mail address to register for computer software. All work is done through the internet, so you need internet access. If you do not have access to the internet, you may use the computers in the math lab. This course will work best using Internet Explorer.

**Term Grade**

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

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

Please note that I will be checking in on your progress weekly. This includes checking the time you are spending in each section, the homework you have completed, and the exam status.

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 for each section. There are due dates for completion of the homework, which will ensure that you complete the course on time. These are listed in the due dates section under the Course Information link in MyMathLab. The calendar included in our course website is a useful tool for keeping you up-to-date on the latest assignments. Your two lowest homework grades will be dropped.

### **Communication**

Communication plays a vital role in an online student's success. Communication methods for this course include announcements, email, and discussion boards. Although you are not required to participate in the discussion boards, I encourage you to post your questions in the Discussion Boards so that the questions and answers will be visible to all students in the course. This serves as a good replacement for face-to-face lecture time. Any emails I receive will be answered within 2 business days.

### **Exams**

The midterm exams are available through its due date. After the due date has passed, the exams will be reviewed for partial credit. To see a list of the due dates, go to the Course Information link in MyMathLab. The final exam is comprehensive. If you do not take the final exam, you will receive an F for the course.

### **Prerequisites**

MATH 0375 passed with a C or better, or an adequate placement exam score.

### **Tutoring**

Tutoring is available through Developmental Studies and in the OC Math Lab. The hours for the math lab are Mon-Thurs 8:00 AM – 9:30 PM, Friday from 8:30 A M – 5:00 PM, and Saturday and Sunday from 1:00 PM-5:00 PM .

### **Back-Up Plan**

You must have a back-up plan for this course in case your primary computer fails during the semester. Please detail the location of the two computers in your student information sheet.

**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 students' and instructors' right to academic freedom can be found in the Odessa College Student Handbook.

## Due Dates for CollegeNow Mathematical Statistics

### Homework

Chapter	Due Date and Time
1	1/26
2	2/4
3	2/18
5	2/25
6	3/11
7	3/25
8	4/8
9	4/22
10	5/4

### Exams

Exam	Material	Due Date and Time
1	Chapters 1-3	2/22
2	Chapters 5-7	3/29
3	Chapters 8 -10	5/6
Final	Chapters 1-3 & 5-10	5/10