

**Math 1342.Y5**  
**Elementary Statistics – Web Based**  
**Fall 2012**

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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 Elementary Statistical Methods**

(27.0501.5119) (3-0) 3 hours

Collection, analysis, presentation and interpretation of data, and probability. Analysis includes descriptive statistics, correlation and regression, confidence intervals and hypothesis testing. (ICOs 1, 2, 3) Prerequisite: MATH 0375 passed with a “C” or better or satisfactory placement score.

**Learning Outcomes**

Upon successful completion of this course, students will:

1. Explain the use of data collection and statistics as tools to reach reasonable conclusions.
2. Recognize, examine and interpret the basic principles of describing and presenting data.
3. Compute and interpret empirical and theoretical probabilities using the rules of probabilities and combinatorics.
4. Explain the role of probability in statistics.
5. Examine, analyze and compare various sampling distributions for both discrete and continuous random variables.
6. Describe and compute confidence intervals.
7. Solve linear regression and correlation problems.
8. Perform hypothesis testing using statistical methods.

**Required Materials**

Required Software: MyMathLab

Course ID: cohlmlia17142

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. The email address that you use to register your software will be the email address to which I will send any information or announcements. Please check this account regularly. It is recommended that you use your Odessa College email address. 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.

## Term Grade

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

|            | Homework | Discussion | Exams 1 - 3           | Final Exam |
|------------|----------|------------|-----------------------|------------|
| Percentage | 10%      | 10%        | 45% total or 15% each | 35%        |
| Drops      | 2        | 0          | 0                     | 0          |

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

## Homework

Homework will be assigned for each section. There are suggested dates for completion of the homework, which will ensure that you complete the course on time. These are listed in the suggested completion dates section under the Course Information link in MyMathLab. 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. You are required to participate in the discussion boards. **Each student should submit 15 meaningful threads in the discussion boards.** These can either be new discussions, or they can be replies to other discussion. You will earn credit for meaningful posts to the discussion boards through 8:00AM on November 16th. "Meaningful" implies that the post adds to the learning of the course material. Examples include posting a question over the material, posting an answer to a classmate's question, and posting tips on how to be successful in the course. Idle chitchat, polite remarks such as "thanks" and non-meaningful posts will not count towards your grade. Also, simply stating that you found something easy or difficult will not count as a meaningful post. Any emails I receive will be answered within 2 business days.

## Exams

You are allowed two attempts on each of the midterms. I strongly suggest that you take your first attempt at least one day prior to the suggested completion date to allow time for studying your mistakes and improving your grade, if needed. The suggested completion date is shown on the Suggested Completion Dates document. I will review midterm exams for partial credit if they are submitted by the suggested completion date. Note that I will NOT review exams for those people who fail the first attempt and do not try a second time, and I will NOT review exams that are submitted after the suggested completion date. To see a list of the suggested completion dates, go to the Course Information link in MyMathLab. The final exam is comprehensive and will be proctored. You must present a picture ID before taking the final exam. All students will take the final exam in the Math Lab located in the OC Mathematics Department. The final exam is comprehensive and will be due by **1:00 PM** on Friday November 16th. You will not be allowed to bring your cell phone into the final exam area. 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 Math Lab will be located in ET 120. The hours for the math lab are Mon-Thurs 8:30 AM – 8:30 PM, and Friday from 8:30AM – 1:00PM.

**Student Success Coaches**

The Odessa College Student Success Coaches will help you stay focused and on track to complete your educational goals. If an instructor sees that you might need additional help or success coaching, he or she may submit a Retention Alert or a Starfish Alert. A Student Success Coach will contact you to work toward a solution.

**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. The two computers should not be in the same building in case of an internet failure.

**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, 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.

**The Odessa College Student Success Coaches** will help you stay focused and on track to complete your educational goals. If an instructor sees that you might need additional

help or success coaching, he or she may submit a Retention Alert or a Starfish Alert. A Student Success Coach will contact you to work toward a solution.

### **Expectations for Engagement – Online Learning**

To help make the web-based learning experience fulfilling and rewarding, the following Expectations for Engagement provide the parameters for reasonable engagement between students and instructors for the online learning environment. Students and instructors are welcome to exceed these requirements.

#### **Reasonable Expectations of Engagement for Instructors**

1. As an instructor, I understand the importance of clear, timely communication with my students. In order to maintain sufficient communication, I will
  - provided my contact information at the beginning of the syllabus;
  - respond to all messages within 24 hours if received Monday through Thursday and within 48 hours if received Friday through Sunday; and,
  - notify students of any extended times that I will be unavailable and provide them with alternative contact information (for me or for my supervisor) in case of emergencies during the time I'm unavailable.
2. As an instructor, I understand that my students will work to the best of their abilities to fulfill the course requirements. In order to help them in this area, I will
  - provide clear information about grading policies and assignment requirements in the course syllabus, and
  - communicate any changes to assignments and/or to the course calendar to students as quickly as possible.
3. As an instructor, I understand that I need to provide regular, timely feedback to students about their performance in the course. To keep students informed about their progress, I will
  - post grades for discussion postings within one week of the discussion thread closing.
  - provide grades for major assignments within 2 weeks of the due date or at least 3 days before the next major assignment is due, whichever comes first.

#### **Reasonable Expectations of Engagement for Students**

1. As a student, I understand that I am responsible for keeping up with the course. To help with this, I will
  - line up alternative computer and internet access in case my primary computer crashes or my internet services is unavailable;
  - recognize that the college provides free wi-fi and computer labs during regular campus hours to help me with accessing my course; and,
  - understand that my instructor does not have to accept my technical issues as a legitimate reason for late or missing work if my equipment or service is unreliable.
2. As a student, I understand that it is my responsibility to communicate quickly with the instructor any issue or emergency that will impact my involvement with or performance in the class. This includes, but is not limited to
  - getting "kicked off" of the system during tests or quizzes;
  - having trouble submitting assignments; and
  - dealing with a traumatic personal event.
3. As a student, I understand that it is my responsibility to understand course material and requirements and to keep up with the course calendar. While my instructor is available for help and clarification, I will
  - seek out help from my instructor and/or from tutors;
  - ask questions if I don't understand; and,
  - access my course several times during the week to keep up with assignments and announcements.

See course dates listed on the next page.

**Suggested Completion Dates  
Elementary Statistics (Y5)  
Fall 2012**

**Homework**

| Chapter | Suggested Date and Time       |
|---------|-------------------------------|
| 1       | 9/26 (Wednesday) at 11:59 PM  |
| 2       | 9/30 (Sunday) at 11:59 PM     |
| 3       | 10/5 (Friday) at 11:59 PM     |
| 5       | 10/10 (Wednesday) at 11:59 PM |
| 6       | 10/17 (Wednesday) at 11:59 PM |
| 7       | 10/21 (Sunday) at 11:59 PM    |
| 8       | 10/31 (Wednesday) at 11:59 PM |
| 9       | 11/7 (Wednesday) at 11:59 PM  |
| 10      | 11/14 (Wednesday) at 11:59 PM |

**Exams**

| Exam  | Material            | Suggested Date and Time       |
|-------|---------------------|-------------------------------|
| 1     | Chapters 1-3        | 10/7 (Sunday) at 11:59 PM     |
| 2     | Chapters 5-7        | 10/24 (Wednesday) at 11:59 PM |
| 3     | Chapters 8 -10      | 11/15 (Thursday) at 11:59 PM  |
| Final | Chapters 1-3 & 5-10 | 11/16 (Friday) at 1:00 PM     |

Credit for meaningful discussion board posts will be given for meaningful posts made by 8:00 AM on 11/16/2012.