

## **COURSE SYLLABUS**

### **Math 1342: Elementary Statistics – Face to Face**

**NOTE:** This syllabus is subject to change during the semester. Please check this syllabus on a regular basis for any updates.

**Professor:** Dr. Margaret Street  
**Office:** ET 115  
**Phone:** 335-6863  
**E-mail:** mstreet@odessa.edu  
**Webpage:** <http://www.odessa.edu/dept/math/mstreet/home.htm>

### **Course Description**

#### **MATH 1342 Elementary Statistics (3 hours)**

Collection, analysis, presentation and interpretation of data, and probability. Analysis includes descriptive statistics, correlation and regression, confidence intervals, and hypothesis testing.

### **Prerequisites**

MATH 0375 passed with a “C” or better or satisfactory placement score.

### **ICOs**

1, 2, 3

### **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**

Textbook: Elementary Statistics by Neil A. Weiss, 8th Edition.

Supplies: Pencil, Paper, Scientific Calculator

### **Attendance**

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

### **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. Homework assignments will be posted on the website for the class. It is your responsibility to get the assignment if you are absent.

### **Quizzes**

Quizzes will be given throughout the semester. No make-up quizzes will be given. Two quiz grades will be dropped.

### **Tests**

There will be 3 tests and a comprehensive final exam. The lowest test grade or quiz average will be replaced by the grade you make on the final exam if it is higher. No make-up tests will be given. You **MUST** take the final exam. Test dates will be announced in class and will be posted on the homework assignment web page.

### **Course Grade**

Quiz Average: 15%

Test Average: 60%

Final Exam: 25%

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

### **Help**

If you have trouble with any of the material in this course, do not hesitate to ask for assistance. It will get worse if you wait. You may ask questions in class, come to my office during office hours, or go to the Math Lab in ET 120. Online tutoring is available through Smarthinking.

### **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.

### **Expectations for Engagement – Face to Face Learning**

To help make the learning experience fulfilling and rewarding, the following Expectations for Engagement provide the parameters for reasonable engagement between students and instructors for the 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 in a timely manner through telephone, email, or next classroom contact; 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
  - return classroom activities and homework within one week of the due date and
  - 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
  - attend the course regularly and line up alternative transportation in case my primary means of transportation is unavailable;
  - recognize that the college provides free wi-fi, computer labs, and library resources during regular campus hours to help me with completing my assignments; and,
  - understand that my instructor does not have to accept my technical issues as a legitimate reason for late or missing work if my personal computer equipment or internet 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,
  - missing class when a major test is planned or a major assignment is due;
  - having trouble submitting assignments;
  - dealing with a traumatic personal event; and,
  - having my work or childcare schedule changed so that my classroom attendance is affected.
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,
  - attend class regularly to keep up with assignments and announcements.

#### 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.

### **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](mailto:Odessa College Student E-mail), by following the link to either set up or update your account: <http://www.odessa.edu/gmail/>.

### **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.

### **SEI**

The SEI process for face-to-face and online courses is scheduled for the week of November 26th.