Math 1442
Business Statistics – Web Based
Spring 2013

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Welcome to Business 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: MyStatLab (MyMathLab)
Course ID: cohlmia16782
Optional Textbook: Statistics for Business and Economics by McClave, Benson and Sincich, 11th Edition, Pearson 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.

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 MyStatLab. Your two lowest homework grades will be dropped.

Labs
A very important component in conducting a statistical analysis is the ability to appropriately use a statistical software package. The labs assigned for this course will emphasize the use of StatCrunch – the statistical software analysis package that is included in MyStatLab. You will have approximately 10 labs assigned throughout the semester. The last lab will be a formal statistical analysis and report and will count as two lab grades. This lab cannot be dropped from your course average.

Communication
Communication plays a vital role in an online student's success. Communication methods for this course include announcements, emails, 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 May 14th at 8 AM. "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, be sure that you are checking your email regularly. 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 MyStatLab. 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 8:30 PM on Math 14th. 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.

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

	Homework	Labs	Discussion Boards	Exams 1 - 3	Final Exam
Percentage	20%	15%	10%	30% total	25%
Drops	2	1 (the last lab cannot be dropped)	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.

NOTE: If you make below a 50 on the final exam, you will receive an F for the course.

Letter Grade	Numeric Average (x)
A	$90 \leq x \leq 100$
B	$80 \leq x < 90$
C	$70 \leq x < 80$
D	$60 \leq x < 70$
F	$x < 60$

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 8:30 AM – 8:30 PM and 8:30AM-1:00PM on Fridays.

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.

Retention
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.

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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.

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.

See the next pages for homework, exam and lab completion dates.

Suggested Completion Dates
MATH 1442.WB: Business Statistics
Spring 2013

Homework

Chapters	Date
1	1/24 (Thursday)
2	2/7 (Thursday)
3	2/21 (Thursday)
4	3/7 (Thursday)
5	3/26 (Tuesday)
6	4/9 (Tuesday)
7	4/23 (Tuesday)
10	5/7 (Tuesday)

Exams

Exam	Date
1: Chapters 1 & 2	2/10 (Sunday)
2: Chapters 3 & 4	3/10 (Sunday)
3: Chapters 5,6,7, & 10	5/10 (Friday)
Final Exam: Chapters 1,2,3,4,5,6,7 & 10	5/14 (Tuesday)

Note: Your meaningful discussion board posts will be counted through 8:00 AM on Tuesday, May 14th. Please see the assignment order schedule to determine when to complete lab assignments.

Assignment Order	Assignment
1	HW 1.1-1.5
2	Intro to Stat Crunch Lab
3	HW 2.1
4	HW 2.2
5	HW 2.3
6	HW 2.4
7	HW 2.5
8	HW 2.6
9	HW 2.7
10	HW 2.8
11	Summary Statistics and Graphical Procedures Lab
12	HW 2.9
13	Exam 1
14	HW 3.1
15	Cereal Boxes Lab
16	HW 3.2-3.4
17	HW 3.5-3.6
18	M&Ms Lab
19	HW 3.7
20	HW 3.8
21	HW 4.1
22	HW 4.2
23	HW 4.3
24	HW 4.5-4.6
25	Binomial and Normal Distributions Lab
26	HW 4.7
27	HW 4.10
28	HW 4.11
29	Exam 2
30	HW 5.1-5.2
31	HW 5.3
32	Confidence Interval for Mu Lab
33	HW 5.4
34	HW 5.5
35	HW 6.1-6.2
36	HW 6.3
37	HW 6.4
38	HW 6.5
39	Hypothesis Testing Lab

40	HW 6.6
41	HW 7.1-7.2
42	Two Mean Inferential Procedures Lab
43	HW 7.5
44	HW 10.1
45	HW 10.2
46	HW 10.3
47	HW 10.5
48	Exam 3
49	Final Exam