

DIXIE STATE COLLEGE - - Spring 2010
MATHEMATICS DEPARTMENT

Course Number: MATH 1040**Section Number:** 2**Room Number:** NIB 135**Instructor:** Ross Decker**Office Phone Number:** 652-7763**Text:** Elementary Statistics-Picturing the World ((4th))**Prerequisites:** C or better in **MATH 1010** or **1030** or ACT of 23 or higher**Course Title:** Introduction to Statistics**Meeting Time:** Tu Th from 10:30-11:45 AM
Jan12 to May 6**Office Room Number:** NIB 139**Office Hours:** 9 to 10 daily, or by appointment**Authors:** Larson, Farber

Exam dates and points possible are as follows:

Exam 1/2	Jan 26-28	100 points
Exam 3/4	Feb 9-11	100 points
Exam 5	Feb 23-25	100 points
Exam 6	Mar 4-6	100 points
Exam 7/8	Apr 8-12	100 points
Final Exam	May 6 (9:30-11:30 AM)	100 points
Homework	(5 points each)	<u>110 points</u>
TOTAL POINTS:		710 points

ATTENDANCE: Any student who misses the first two days of class will be dropped from the class.**DISHONESTY:** If it is determined that you cheated, you will receive a zero for that exam.

If cheating occurs a second time, you will receive an F for the course.

DISABILITIES: If you are a student with a medical, psychological, or learning disability, and would like accommodations or think you might have a disability, contact the Disability Resource Center (652-7516) in the Student Services Center, Room 201. The Disability Resource Center will determine eligibility based on your professional documentation and determine the appropriate accommodations related to your disability.**GRADES:** Your semester grade will be based on the following scale: **A**(92-100%), **A-**(89-92%), **B+**(86-89%), **B**(82-86%), **B-**(79-82%), **C+**(76-79%), **C**(72-76%), **C-**(69-72%), **D+**(66-69%), **D**(62-66%), **D-**(59-62%), **F**(0-59%)**GENERAL REMARKS:** It is the responsibility of each student to make time each day to read the text, attempt all homework problems, study for exams, and get extra help. Your work should be neat and easily read. Problems will be graded more for the work shown than for the final answer. Assignments should be considered a minimum and many students should work additional problems to reach mastery. Course schedules, assignments, and exam dates are subject to change as circumstances dictate.

COURSE OBJECTIVES

All mathematics classes at Dixie State College will:

1. Require students to perform mathematical processes including fractions, percentages, decimals, proportions/ratios, algebraic equations and/or calculus techniques.
2. Provide students with application problems that use a variety of methods including arithmetical, algebraic, and geometric methods.
3. Challenge students to make inferences from mathematical models that include formulas, graphs, and tables.
4. Provide students with real-life applications that use a variety of mathematical functions.

Upon successful completion of MATH 1040, a student will demonstrate through testing, the ability to:

1. Understand descriptive statistics such as mean, median, mode, and standard deviation.
2. Use and interpret graphs representing data.
3. Identify the properties of normal distribution.
4. Construct confidence intervals and determine sample sizes.
5. Use statistical techniques to test hypotheses.
6. Analyze data using correlation and regression.
7. Use computer or calculator to perform statistical calculations, organize data, and construct graphs.

TUE**1/12**

1.1 & 1.2

1/19

2.2 & 2.3

1/26

Review Ch 1&2

2/2

3.3 & 3.4

2/9

Review Ch 3&4

2/16

5.3 & 5.4

2/23

Review Ch 5

3/2

6.3 & 6.4

3/9

S P R I N G

3/16

7.1 & 7.2

3/23

7.4 & 7.5

3/30

8.3

4/6

Review Ch 7&8

4/13

9.1 & 9.2

4/20

10.2 & 10.3

4/27

Review for Final

THUR**1/14**

1.3 & 2.1

1/21

2.4 & 2.5

1/28

3.1 & 3.2

2/4

4.1 & 4.2

2/11

5.1 & 5.2

2/18

5.5

2/25

6.1 & 6.2

3/4

Review Ch 6

3/11

B R E A K

3/18

7.3

3/25

8.1 & 8.2

4/1

8.4

4/8

Exam 7/8

4/15

10.1

4/22

10.4

4/29

Review for Final

5/6

Final Exam

9:30 – 11:30

1.1 1-6, 7-37o**1.2** 1-23o**1.3** 1, 6, 8, 11-15, 29, 30**2.1** 11, 13, 17, 19, 23, 27, 33**2.2** 9, 11, 17, 21, 23**2.3** 1-6, 9, 10, 13-16, 17, 19, 21, 29, 31, 35, 41, 49**2.4** 1-13o, 14, 17, 21, 29, 31**2.5** 1-35o**3.1** 1-11o, 25, 27, 29, 43**3.2** 1-15o, 23, 24**3.3** 1-19o**3.4** 7, 9, 15-25o, 35**4.1** 9-37o**4.2** 1-19o, 25**5.1** 9-27o, 35, 37**5.2** 1-15o, 23-29o**5.3** 1, 3, 5, 15, 21, 25, 27, 43, 45**5.4** 5-8, 13-21o, 27, 33**5.5** 5, 9-16, 21, 23**6.1** 1, 3, 23, 25, 37, 39, 41, 51**6.2** 13, 15, 17, 23, 25**6.3** 1-19o**6.4** 1-15o**7.1** 1-7o, 23-29o**7.2** 1, 3, 5, 33, 35, 39, 41, 43**7.3** 19-27o**7.4** 1-13o**7.5** 16, 21, 23**8.1** 5-25o**8.2** 11-21o**8.3** 1-7o, 11, 13, 15**8.4** 1, 3, 5, 11, 13, 15**9.1** 1-7o, 13-17o, 23, 25**9.2** 13-19osee also: <http://www.dixie.edu/reg/syllabus/>**10.1** 9-15o**10.2** 13,17,19**10.3** 17-21o**10.4** 5-9oTesting Center HoursMonday – Friday

9 AM to 10 PM

Saturday

2 PM to 10 PM

Sunday

4 PM to 10 PM