

21946 MATH 2620H
Elementary Statistics
Spring Semester, 2013

INSTRUCTOR: Patti Barrett
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OFFICE HRS: 1:00-2:30 MWF
3:30-4:45 TR
(and by appointment as needed)

TEXT: Fundamentals of Statistics (VSU edition) by Sullivan

CALCULATOR: TI-83 or 84 is specified by the department; any graphing calculator that you know how to use is acceptable to me.

MATH 2620 Statistical Methods

Prerequisite: Math 1101, Math 1111, or Math 1113. This is an introductory course in statistics. Topics include descriptive statistics; basic notions of probability, random variables, probability distributions, simple random sampling, and sampling distributions; confidence intervals and hypothesis tests; and regression. The application of statistical methodology and the use of computer software are emphasized.

This course will cover chapters 1-11. There will be 5 unit tests as outlined below. The **four best** unit tests will constitute 60% of the semester grade. Tests missed for extenuating circumstances may be used as the drop grade, or arrangements must be made with the instructor to take a make-up test. Assignments from the text to be handed in and on the computer through MyStatLab will be made periodically. The average of those grades will count 20% of the course. The comprehensive final exam constitutes the other 20%. (Students satisfied with their average after the last test without any tests being dropped may elect to use the final exam as the drop grade.)

Students are expected to be in attendance at all classes and for the entire period. Assignments are due on the day stated.

Very TENTATIVE TEST SCHEDULE

TEST	MATERIAL	TENTATIVE DATES
1	Chapters 2 & 3	January 31, 2013
2	Chapters 4 & 5	February 14, 2013
3	Chapters 6 & 7	March 7, 2013
4	Chapters 8 & 9	April 4, 2013
5	Chapters 10 & 11	April 23, 2013
Final Exam	All Material	Thursday, May 2 9:30-11:30PM

Request for Accommodations:

Students requesting classroom accommodations or modifications due to a documented disability must contact the Access Office for Students with Disabilities located in the Farber Hall. The phone numbers are 245-2498 (V/VP) and 219-1348 (TTY).

The Student Success Center (SSC) at Valdosta State University is located in Langdale Residence Hall and is available to all students. It provides free professional academic advising, peer tutoring in core curriculum courses, and campus job information in one location. Students are strongly encouraged to make use of these services. The phone number is 229-333-7570 and email ssc@valdosta.edu.

VSU GENERAL EDUCATION OUTCOMES

(Area A2)

Students will demonstrate mathematical proficiency by analyzing a variety of functions and solving various equations.

(Critical Thinking)

Students will identify, evaluate, and apply appropriate models, concepts, or principles to issues, and they will produce viable solutions or make relevant inferences.

Student Learning Outcomes:

- Students will produce and interpret descriptive statistics, graphically, numerically, and in tabular format.
- Students will calculate and interpret probability using union and intersection rules.
- Students will explain the concepts of random variable and distribution.
- Students will use technology to calculate probabilities with the normal and binomial distributions.
- Students will produce a confidence interval estimate from a given sample.
- Students will explain the rationale of hypothesis testing.
- Students will carry out - with the aid of technology - a variety of hypothesis tests, including Z-tests and t-tests and interpret the meaning of the results.
- Students will use correlation analysis to determine the strength of a linear relationship between bivariate data and apply linear regression to describe this relationship.

LIMIT ON COURSE WITHDRAWALS (5 “W” POLICY):

For undergraduate students only:

Effective Fall 2010, all undergraduate students are limited to five course withdrawal (“W”) grades for their entire enrollment at Valdosta State University. Once a student has accumulated five “W” grades, all subsequent withdrawals (whether initiated by the student in BANNER or initiated by the instructor on the proof roll) will be recorded as “WF.” The grade of “WF” is calculated as an “F” for GPA purposes.

The limit on withdrawals does not apply if a student withdraws from all classes in a given semester before the mid-term point of the semester. The following types of withdrawals do not count against the limit of five course withdrawal (“W”) grades:

- Hardship withdrawals
- Medical or mental health withdrawals
- Military withdrawals
- Grades of “WF”
- Withdrawals taken in semesters before Fall Semester 2010
- Withdrawals taken at other institutions

Transfer students, regardless of their classification upon enrolling at Valdosta State University, are also limited to five withdrawals at Valdosta State University.