

INSTRUCTOR: **Stefanie Lane**

E-mail ADDRESS: **sem002@shsu.edu** **OFFICE:** **LDB 421F**

CLASS: **Math/Stat 3379.02** **MW 3:00-4:20pm** **LDB 407**

Office Hours: **Mon/Wed/Fri** **11:00 – 12:30pm**

Course Description: This course covers the fundamentals of statistical concepts and will guide the student through basic statistical procedures to permit critical insight into the science of collecting, classifying, presenting, and interpreting information from data. The three primary topics are covered, as well as introducing SPSS software.

- Descriptive statistics (graphic presentation of data, histograms, plots, charts, measures of central tendency, dispersion, and position, bivariate data analysis, linear correlation and regression analysis).
- Probability concepts and rules for calculating probabilities of compound events. The probability coverage also includes the more commonly occurring probability distributions such as the binomial and normal distributions.
- Inferential statistics, including inferences involving one and two populations.

Required Textbook: *Introductory Statistics, 10th Ed, by Dr. Neil A. Weiss (Our online homework venue has an electronic version of the textbook)*

Required Supplies:

- A **graphing** calculator (such as a TI-83, or equivalent) is **required** for this class. Homework, quizzes, and exams will be written as if you are in possession of one when completely them.
- Supplemental items: IBM SPSS Statistics for Windows 22: A Basic Tutorial available from <http://www.ssrlic.org/tr/onlinetextbooks> which leads to <http://ssrlic.org/node/459> where each of the nine chapters can be downloaded (and printed) as a Microsoft Word document.

EVALUATION PROCEDURES:

- ❖ **Homework (15%):** The homework for this class is online through MyStatLab. You register for it through BlackBoard. There will be a link on the left side of the screen labelled “Online Homework”. You will need an instructor course ID, which I will provide as soon as I am able.
- ❖ **Quizzes (15%):** Quizzes will be given at various times throughout the semester. It is an incentive to keep up the concepts gone over in class. Occasionally, the quizzes will instead be group work done in class. There will be NO make-up quizzes given (so

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come to class each day), but your lowest quiz grade is dropped at the end of the semester.

- Note that there will be periodic SPSS labs throughout the semester, as well. All are expected to be done computationally using the SPSS software, which can be found on all computers on campus within the computer labs. SHSU has a home use program for SPSS that can be found using the following instructions: <https://samweb.shsu.edu/home01wp/>

- ❖ **Unit Exams (50%):** There will be three unit exams during the semester, weighted equally to total 50%.
- ❖ **Final Exam (20%):** The final exam will be comprehensive. It is NOT optional. If it is beneficial, your final exam grade can replace your lowest unit exam grade.
- ❖ **Make-up Policy:** You **cannot** make-up an exam, homework assignment or quiz. Missing assignments are given zero points.

Letter Grade Scale:

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|---------------------|-----------------------|
| ▪ A: 90-100 average | ▪ D: 60-69 average |
| ▪ B: 80-89 average | ▪ F: Below 60 average |
| ▪ C: 70-79 average | |

Attendance: You should attend all classes and are responsible for all notes, announcements, assignments, quizzes, and exams. If you must miss class, notify me via email as soon as possible as to why you were not in class or will not be attending class. Student athletes who anticipate missing a class, exam, or assignment due to a University sponsored athletic event must provide appropriate documentation and notification **PRIOR** to the absence.

Electronic Devices: The use by students of any device that is performing the functions of a telephone, text messages, or pager during class-time is prohibited. Arrangements for handling potential emergency situation uses of devices must be approved by the instructor in advance. Any use of a telephone, text messages, pager, PDA, or any device that performs these functions during a test period is prohibited. These devices should not be present during a test, or if present should be stored securely in such a way that they cannot be seen, heard, or used by a student. The visible presence of such a device during the test period will result in a zero for the test. Use of these devices during a test is considered de facto evidence of cheating. Recording devices, such as cameras, audio recorders, or video recorders may not be used without prior approval of the instructor.

Academic Dishonesty: All students are expected to engage in all academic pursuits in a manner that is above reproach. Students are expected to maintain complete honesty and integrity in the academic experiences both in and out of the classroom. Any student found guilty of dishonesty in any phase of academic work will be subject to disciplinary action. The University and its official representatives may initiate disciplinary proceedings against a student accused of any form of academic dishonesty including, but not limited to, cheating on an examination or other academic work which is to be submitted, plagiarism, collusion and the abuse of resource materials.

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Classroom Rules of Conduct: Students will refrain from behavior in the classroom that intentionally or unintentionally disrupts the learning process and, thus, impedes the mission of the university. Cellular telephones and pagers must be turned off before class begins. Students are prohibited from using tobacco products in class, making offensive remarks, reading newspapers, sleeping, talking at inappropriate times, wearing inappropriate clothing or engaging in any other form of distraction. Inappropriate behavior in the classroom shall result in a directive to leave class. Students who are especially disruptive also may be reported to the Dean of Students for disciplinary action in accordance with university policy.

Visitors in the Classroom: Unannounced visitors to class must present a current, official SHSU identification card to be permitted in the classroom. They must not present a disruption to the class by their attendance. If the visitor is not a registered student, it is at the instructor's discretion whether or not the visitor will be allowed to remain in the classroom.

Student Absences on Religious Holy Days Policy Section 51.911(b) of the Texas Education Code requires that an institution of higher education excuse a student from attending classes or other required activities, including examinations, for the observance of a religious holy day, including travel for that purpose. A student whose absence is excused under this subsection may not be penalized for that absence and shall be allowed to take an examination or complete an assignment from which the student is excused within a reasonable time after the absence.

University policy 861001 provides the procedures to be followed by the student and instructor. A student desiring to absent himself/herself from a scheduled class in order to observe (a) religious holy day(s) shall present to each instructor involved a written statement concerning the religious holy day(s). This request must be made in the first fifteen days of the semester or the first seven days of a summer session in which the absence(s) will occur. The instructor will complete a form notifying the student of a reasonable timeframe in which the missed assignments and/or examinations are to be completed.

STUDENTS WITH DISABILITIES POLICY: It is the policy of Sam Houston State University that individuals otherwise qualified shall not be excluded, solely by reason of their disability, from participation in any academic program of the university. Further, they shall not be denied the benefits of these programs nor shall they be subjected to discrimination. Students with disabilities that might affect their academic performance should register with the Office of Services for Students with Disabilities located in the Lee Drain Annex (telephone 936-294-3512, TDD 936-294-3786, and e-mail disability@shsu.edu). They should then make arrangements with their individual instructors so that appropriate strategies can be considered and helpful procedures can be developed to ensure that participation and achievement opportunities are not impaired.

SHSU adheres to all applicable federal, state, and local laws, regulations, and guidelines with respect to providing reasonable accommodations for students with disabilities. If you have a disability that may affect adversely your work in this class, then I encourage you to register with the SHSU Services for Students with Disabilities and to talk with me about how I can best help you. All disclosures of disabilities will be kept strictly confidential. NOTE: No accommodation can be made until you register with the Services for Students with Disabilities. For a complete listing of the university policy, see:

<http://www.shsu.edu/dept/academic-affairs/aps/aps-students.html>

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