

SYLLABUS Stat 511

Course Number: STAT 511

Credit Hours: 3 **Course Format:** Lecture **Semester:** Spring, 2014

Meeting Time: Mondays from 2:30 to 5:00 PM

Location: Hodges 252

Instructor: Gerry Hobbs **Office Hrs** M(1-2:20) Stansbury 154

Office Telephone: 304-293-9295 & 293-0432

E-mail: ghobbs@stat.wvu.edu

Required Text: Freund Wilson & Mohr – Stat Methods, 3rd ed.

Course Description: This is an introductory statistics course for graduate students. Basic concepts of random variables and descriptive statistics as well inferential statistics are introduced. Included within the above areas are issues related to hypothesis testing, probability, sample size estimation and the role statistics plays in scientific investigations.

Course Competencies: Upon completion of this course, the student should be able to:

1. List and describe the major types of treatment designs.
2. List and define the major terms associated with statistics.
3. List and describe the different types of hypotheses and variables.
4. Describe the major principles for determining sample size and power.
5. List and describe the commonly used statistical tests.
6. Interpret the appropriateness of previously selected statistical tests for answering particular questions from selected data sets.

Basis of Final Grade/Evaluation Criteria:

- a. Written Exams (Three @ 100 points per exam) 300 points

The exams will approximately divide the semester into thirds.

The final exam will be given during the time slot allotted by the university during finals week.

This class does not fall into the “grid”. That means the published final schedule doesn’t apply to us. Somebody in the administration will assign us a time/place for the final. Last semester that was done very late in the semester.

2. Final Grading

Grades for the exams will be added together and your grade will be determined based on how well you do compared to the rest of the class. That’s “the curve”, I guess.

Incomplete Grading Policy: The grade of I (incomplete) is given only when the instructor believes that the course work is unavoidably incomplete. All I’s must be removed as per university policy. Any student receiving an incomplete must contact me to discuss its removal. If an I is not rectified in a timely manner, it will be changed to a grade of F. The grade of I will not be given for the purpose of helping the student avoid a bad grade. The Department of Statistics has policies that forbid the use of the Incomplete for that purpose.

Major Exams (Three @ 100 points per exam) – Written exams will be given at approximately even intervals during the semester. Each exam will focus mainly on topics covered since the last exam but may contain material on which the class didn’t do well on previous test(s).

Anyone not taking the exam on one of the designated dates will receive a score of 0 points for that exam unless prior approval has been obtained from the instructor. Prior approval to take the exam after the designated time and date will only be given if extenuating circumstances, as defined by the instructor, exist. This may include such things as a family emergency, illness, etc.

WVU Policy Statements

Academic Dishonesty: Dishonesty is defined to include, but is not limited to, the following:

1. Plagiarism: Plagiarism is defined in terms of proscribed acts. Students are expected to understand that such practices constitute academic dishonesty regardless of motive. Those who deny deceitful intent, claim not to have known that the act constituted plagiarism, or maintain that what they did was inadvertent are nevertheless subject to penalties when plagiarism has been confirmed. Plagiarism includes, but is not limited to, the following:
 - a. Submitting as one's own work the product of someone else's research, writing, artistic conception, invention, or design; that is, submitting as one's own work any report, notebook, speech, outline, theme, thesis, dissertation, commercially prepared paper, musical piece or other written, visual, oral or electronic/computerized material that has been copied in whole or in part from the work of others, whether such source is published or unpublished.
 - b. Incorporating in one's submission, without appropriate acknowledgment and attribution, portions of the works of others; that is, failing to use the conventional marks and symbols to acknowledge the use of (near) verbatim passages of someone else's work or failing to name the source of words, pictures, graphs, etc., other than one's own, that are incorporated into any work submitted as one's own.
2. Cheating and dishonest practices in connection with examinations, papers, and projects including, but not limited to:
 - a. Obtaining help from another student during examinations
 - b. Knowingly giving help to another student during examinations, taking an examination or doing academic work for another student, or providing one's own work for another student to copy and submit as his/her own.
 - c. The unauthorized use of notes, books during examinations
 - d. Obtaining without authorization an examination or any part thereof
3. Forgery, misrepresentation, or fraud:
 - a. Forging or altering, or causing to be altered, the record of any grade in a grade book or other educational record.
 - b. Use of documents or instruments of identification with intent to defraud.
 - c. Presenting false data or intentionally misrepresenting one's records for admission, registration, or withdrawal from the university or from a university course.
 - e. Knowingly furnishing the results of research projects or experiments for the inclusion in another's work without proper citation
 - f. Knowingly furnishing false statements in any university academic proceeding.

Social Justice: WVU is committed to social justice. I concur with that and expect to foster a learning environment based on open communication, mutual respect, and non-discrimination.

Disability: If you are a person with a disability and need any type of accommodation in order to participate in this class, please advise me and make appropriate arrangements with Disability Services (304-293-6700).