STATISTICS

BROADCAST TITLE: Against All Odds

COURSE NUMBER: STAT 468 S

REFERENCE NUMBER: 208512

CREDIT HOURS: 3 Undergraduate Credit Hours

DESCRIPTION: An introduction to statistics including the gathering, organizing, analyzing, and interpretation of data. An introduction to the concepts of variability and uncertainty as related to sampling and hypothesis testing. Investigation and analysis of many different methods of drawing inferences and making decisions from observed data and probabilistic models.

TUITION AND FEES:
Undergraduate: $283.50
Graduate: $297.00

ORIENTATION: GSU Friday, January 17, 1997, 6:30 p.m. or Saturday, January 18, 1997, 11:00 a.m.

INSTRUCTOR: Lori McKinney

EXAM SCHEDULE:
Fridays, 6:30 p.m. to 9:30 p.m.
February 14, 1997
March 14, 1997
April 18, 1997

Fridays, 6:30 to 9:30 p.m.
February 7, 1997
March 7, 1997
April 11, 1997

LAB MEETINGS:

VIDEOTAPES: 26 half-hour tapes, two per week

VOICE MAIL: Students must have access to a touch tone phone to use the Audio Classroom system.

VIEWING:
GSU Library
Mokena Community Public Library
Orland Park Public Library
Kankakee Community College
Jones Intercable of Southern Suburbs - Channel 29
RMI, Media

WW:ti78-90/10/30/96
GOVERNORS STATE UNIVERSITY  
Statistics 468  
SYLLABUS

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DESCRIPTION
An introduction to statistics including the gathering, organizing, analyzing, and interpretation of data. An introduction to the concepts of variability and hypothesis testing. Investigation and analysis of many different methods of drawing inferences and making decisions from observed data and probabilistic models.

PREREQUISITES: College Algebra or Passing score on Math II proficiency test

INSTRUCTOR: Lori McKinney  
Division of Psychology & Counseling  
Governors State University  
Voice Mail: 534-4990 (press * 5913)  
electronic mail: glmckinn@bgu.edu

SCHEDULE: Please refer to your schedule of class offerings for the dates of the orientations, labs, and exams for this semester. Room numbers for orientation will be available at the telecourse information table on the day of orientation. All other class activities will take place in the same room as orientation.

REQUIRED TEXTS: Gravetter, F. & Wallnau, L. Statistics for the Behavioral Sciences

VIDEOTAPES: 26 half-hour tapes, available through:  
GSU library  
Mokena Community Public Library  
Orland Park Public Library  
Kankakee Community College  
Jones Intercable of Southern Suburbs  
RMI Media

VOICE CONNECTION: To borrow a phrase, the Voice Connection is "your link to a better class." The Voice Connection touch-tone learning system offers useful chapter summaries, practice quizzes, and voice mail services whereby students and the instructor can communicate questions, answers, cries for help, and life preservers. It provides some of the niceties of the classroom in the convenience of your own home. Check with your instructor or Media-Based Instruction for information on how to register for this service.
LABS: There are a number of lab meetings scheduled for your class. Attendance at these labs is optional. However, many students find it helpful to work with the instructor and other students on the computations involved in statistical analyses. The labs are designed to achieve this goal. I will present representative problems from the various chapters in the book. To keep class meetings to a minimum, the labs are not designed to present material in a lecture format. Therefore, it is essential that the student read all related material before the lab.

TUTORING: The office of Student Development has a cadre of qualified math and statistic tutors. Student Development typically offers a math review at the beginning of each semester. You may find this particularly useful if it's been a few years since you had college algebra. You can also schedule a regular appointment to work with a tutor on any of the concepts in the text. Call early. Don't wait until you're confused and discouraged!

WORKSHEETS: It is important to practice the new skills you are learning. Worksheets for the first six chapters are provided with your syllabus. Bring these completed worksheets to the first lab or exam to receive bonus points for your work. Worksheets for subsequent chapters will be available at each exam.

EXAMS: There will be three exams scheduled at Governors State University. Each exam will consist of two parts. The first part will be a closed book, multiple choice exam requiring the student to demonstrate an understanding of statistics vocabulary and concepts. The second part will be an open book, open notes exam requiring the student to demonstrate facility in selecting and using statistical formulas and analyses. Exam one will cover chapters 1-6. Exam two will cover chapters 7-12. Exam three will cover chapters 13, 14, 16, and 17. Each examination will have a total value of 100 points. Sample questions and chapter summaries will be posted on the Voice Connection. In addition, the lab sessions will cover problems similar to those on the exams.

GRADING: Based on 300 possible points, grades will be calculated as follows:

- 300-270 = A
- 269-240 = B
- 239-210 = C
- 209-180 = D
- below 180 = F

Incompletes will be granted only for extenuating circumstances and only if you have requested permission in advance.
Thank you for enrolling in statistics. I hope you enjoy and are successful in the class. On the back of this page are some sample equations similar to those you may be expected to solve during the course. If you have difficulty solving these equations, it could be an indicator that you will have difficulty in the course. I recommend you seek additional tutoring while in the course. Another option would be to withdraw from this statistics course until such time as you have completed a basic algebra course. Answers to the equations are in the box on this page. Good luck. Please feel free to contact me if you have any questions.

Answers:

1. 8.25
2. 1200.96
3. 0.3
4. 15.33
5. 1376.8
6. 4.12
7. 1.685
8. (1.64, 4.20)
9. 2.90
10. 61082.25