TOPICS TO BE COVERED (you are not responsible for the sections given in parentheses)
INTRODUCTION - Why is Statistics Important
Descriptive Statistics Ch. 3 (3.9)
Binomial and Normal Distribution 5 (5.2-5.3, 5.6, 5.10)
Sampling Distributions and Central Limit Theorem 6 (6.4-6.5)
One and Two-Sample Inference 7-8 (7.10)
Analysis of Variance 9
Regression 10-11 (10.10, 10.12, 11.3.1)
Chi-Square Tests 15 (15.3.2)

COURSE GOALS
After completing this course, you should be able to:
• Use data from a sample to make inferences about a population
• Develop strategies for problem-solving and decision-making using business analytics.
• Formulate hypotheses for decision making and research
• Apply statistical analysis to improve managerial decision making
• Interpret the results of statistical analysis
• Critically evaluate statistical findings to determine their usefulness to the organization.
• Present statistical results using graphics, text, and the spoken word
• (Talk to a statistician!)

GRADING CRITERION:
Your grade for the class will be calculated based on your exams (50%) and class assignments (50%). A letter grade will be assigned to your final average on a 97-93-90-87-83-77-73-70-67-63-60 for A+,A,A-,B+,B,B-,-C+,C,C-,D+,D,D- grades.

Exams: two midterms (March 2, April 20) and a final exam (May 18), subject to change. Exams are open book, open notes, calculator allowed (no laptops). I do suggest that you condense your notes into 1-2 pages of a “cheat sheet.” Exams 1 and 2 are graded on a 100 point scale, and the third exam is worth 150 points. The higher score of Exam 1 and 2 will be multiplied by 1.5 to make for 400 exam points possible.

Class Assignments:
Case Studies (2)
Computer Assignments (2)
Short write-up/commentaries (4)
Each case study and computer assignment is graded on a 100 point scale. Each short write-up/commentary is worth 25 points. The better of your two case studies and your two computer assignments will be worth 150 points, making for 600 points possible on your class assignments.

Case Studies will be done in groups (three to four people in a group). They will be written up in report format, and be graded on analytical presentation, focus, brevity and clarity.

Computer Assignments will be done either individually or in pairs. You will be analyzing data from a database of your choosing (start to work on this) and writing up a short report on the result to your boss. This will be graded on accuracy and communication clarity. Deductions for errors may be slightly stiffer for pair assignments.

Case Studies and Computer Assignments are due a week after they are assigned, unless there is an exam that week, on which they will be due the following class. Late assignments will be penalized one letter grade for each day late.

Data sets as needed for assignments will be available in either Minitab or Excel format. These will be posted at my website.

When you are working as a group, you are responsible to make sure that everyone in the group participates in the completion of the assignment. If you feel that someone did not carry their weight in the assignment, you are responsible for providing appropriate feedback to that student, and you should report any further problems to me in a short written statement. You are not under any obligation to work with the same people on each assignment.

Short write-up/commentaries (your analysis of Moneyball will be your first one) will be brief assignments which ask you to think/react to a set of issues which relate to this class. They may be assigned in or out of class.

You are expected to come to class prepared and ready to participate.

There will be tutoring sessions with the schedule TBD.

**PLEASE TURN OFF YOUR CELL PHONES OR PUT THEM ON VIBRATE OUT OF RESPECT TO ME AND YOUR CLASSMATES.** If an emergency arises in which you need to make a call, quietly leave the classroom and take care of things outside.

**NO WHINING!**

**SUGGESTED LIST OF PROBLEMS FROM OLTMAN AND LACKRITZ**

Ch. 3: 1-50,62-83,88-98
Ch. 5: 10-26,41-65,70-72,73,75,77,80,81,83,89,92,98,99,101,105,106,111
Ch. 6: 1-7,9-16,18-28,53-55,57,58,60,61,63,64,67,68,71,74,75,77,80,82,84
Ch. 7: 11-58,63-97
Ch. 8: 1-4,10,12(a,b),13-62,64-69,71-73,76-90
Ch. 9: 9-44,46-51,54-56,58,59,61-67,69-75
Ch. 10: 1-35,52-55,58-60,65,66,68,70,71,73-79,81,82
Ch. 11: 1-12,14,16,18-27,30,32-36,39-55,57
Ch. 15: 2, 7-17, 28-39,44-46,48,49,52,53,55,57-60,62-65,67,68,70-71,73
Sports MBA 623 - Lackritz
2015

Please tell me a little about yourself.

Name_____________________________________

Why are you in the Sports MBA program?

Have you ever had an undergraduate or graduate statistics course? ___ Yes ___No
If yes, when, where, type, and describe your experience.

What sports do you like the best?

What’s the one thing that will get me to remember who you are?

On the rest of the page (or back), describe any concerns you may have about BA 623 or anything else in the Sports MBA program.