Stat 328 Syllabus
Summer 2005

Professor William Duckworth 326 Snedecor Hall Ph 515-294-7766 Fax 515-294-5040 wmd@iastate.edu http://www.public.iastate.edu/~wmd/ T/R Evening Section 5:45-9:15 PM Pappajohn Education Center, Des Moines http://www.bus.iastate.edu/MBA/eve/current/directions.asp	Professor Stephen Vardeman 304-D Snedecor Hall Ph 515-294-2535 Fax 515-294-5040 vardeman@iastate.edu http://www.public.iastate.edu/~vardeman/ Saturday Section 8:30 AM-12:00 PM, 1:00-4:30 PM 0310 Gerdin Hall, ISU

Course Web Page: http://www.public.iastate.edu/~vardeman/stat328/stat328vard05.html

Lab Grader: Liza Nirelli
nirelli@iastate.edu

Text: *The Practice of Business Statistics*, by Moore, McCabe, Duckworth and Sclove
(You will need the basic text and supplemental Chapters 12 and 13. ISBN numbers are: 0-7167-9773-9 for the main text, 0-7167-9627-9 for Chapter 12, and 0-7167-9626-0 for Chapter 13.)

Software: JMP (available free under the ISU site license)

Course Grades

Homework/Labs	15%	
Exam 1	35%	(Over Basic Statistics)
Exam 2	50%	(Over Regression Analysis)

Lab/HW Policy

The first 5 of these labs/HW sets will be due on Thursdays (of weeks 2-6) for the Evening section and on Saturdays (of weeks 2-6) for the Saturday section. You may work in teams (of 4 or fewer)* on these labs. If you do so, turn in only one report per team. However, the appearance of your name on a team lab submission is a statement that you participated fully in its development. If you are unable (because of schedule, etc.) to contribute fully to the development of a particular team report, you should prepare and submit your own individual report. The first 5 labs will each be scored on a 3 point scale, expecting that most/all will receive the full 3 points (as essentially complete and correct). On rare occasions 4 points (out of 3) may be assigned to a particularly penetrating, complete, and lucid

* Regarding this size limitation, we will allow "unattached" students with no ISU MBA Class team to affiliate with a "regular" 4 person team for purposes of this HW/lab work, in such cases raising this limit to 5.

report or less than 3 points to a sloppily done or seriously incomplete submission. You may, if necessary, submit one of the first 5 labs up to one week late without grading penalty. (Please don't use this privilege if you don't need to.)

The last lab/HW will be submitted to arrive at Snedecor Hall by July 1st. (Note that this is AFTER the final class meeting. Also note that campus mail delivery takes a day or so you need to ship in advance of the due date.) Its submission is a required part of the course, but it will be marked as "S" or "NS" and (unless "NS") will not influence course letter grades.

General Comments About the Course

The intelligent collection and interpretation of quantitative information is the backbone of good business decisions. This course is "basic quantitative literacy material" for managers, and has its opposite number in every MBA program in the country. We don't expect to make you statisticians. We do expect to help you learn some things that, if used, will make you better at what you do.

We are aware that 1) you are all working professionals with already full lives and 2) some of you have substantially less quantitative background (and will pay a heavier personal price to learn the course material) than others. We will be as flexible as possible on the first account and as helpful as possible on the second. However, neither 1) nor 2) changes the fact that this is a 3 credit university course, that you have chosen to take. Plan on it requiring a substantial amount of time and effort. (The standard rule of thumb is that a 3 credit semester course produces 45 contact hours and 90 hours of work outside class. We doubt you will spend 90 hours total outside of class on Stat 328, but we can't/won't be moved by reports that the labs and reading are taking a lot of time. It's what is required to absorb the material.)

Give this your best shot as professionals and we think you'll be pleasantly surprised how doable (and maybe even interesting!) it ultimately is.

Saturday MBA Stat 328 Schedule/ Summer 2005

Date	Morning	Afternoon
May 7	Ch 1	Ch 3,4
May 14	Sec 6.1-6.3	Ch 7 and Class Notes
May 21	Exam 1 (Basic Statistics) Class Notes, Ch 12 Six Sigma and Statistics	Ch 12 Six Sigma and Statistics Sec. 2.1-2.3
June 4	Sec 10.1-10.3	Class Notes, Sec 11.1-11.2
June 11	Sec 11.1-11.2 and Class Notes	Sec 11.3 and Class Notes
June 18	Exam 2 (Regression)	Class Notes, Ch 13

Evening MBA Stat 328 Schedule/ Summer 2005

Dates	Tuesday	Thursday
May 10, 12	Ch 1	Ch 3,4
May 17, 19	Sec 6.1-6.3	Ch 7 and Class Notes
May 24, 26	Class Notes Ch 12 Six Sigma and Statistics	Exam 1 (Basic Statistics) Sec 2.1-2.3
May 31, June 2	Sec 10.1-10.3	Class Notes, Sec 11.1-11.2
June 7, 9	Sec 11.1-11.2 and Class Notes	Sec 11.3 and Class Notes
June 14, 16	Class Notes, Ch 13	Exam 2 (Regression)