STATISTICS 427  Winter, 2005

Class Meetings:  M, W, F 3:30 –4:18  in 218 Cockins Hall

Instructor:  Professor Saul Blumenthal, 419 Cockins Hall, 292-6071  
            e-mail:  sb@stat.ohio-state.edu  
            Office Hours:  Mon., Wed: 1:00 - 2:00 pm, and by appointment

Grader:  Nader Gemayel, 143 Lord Hall, 292-9011  
            E-mail: nader@stat.ohio-state.edu.

            Mr. Gemayel’s office hours will be held in the Statistics 427/428 Help Room, 128 Cockins Hall.  
            You may go there for help whenever it is open.  I will post on our website the hours when the help  
            room will be available.

OBJECTIVE: To develop an understanding of probability distributions of discrete and continuous  
            random variables and their applications to the sciences and engineering.  The experience gained in this  
            course will provide the foundation for the statistical inference techniques utilized in the sequel course,  
            Statistics 428.


Optional:  STUDENT SOLUTIONS MANUAL, by Julie Ann Seely (provides detailed solutions to the odd- 
            numbered exercises in the textbook)

Web Page:  Course announcements, the syllabus, homework assignments, homework solutions, and  
            practice exams, will be available at  http://www.stat.ohio-state.edu/~sb/sta427

Grades:  Graded Homework Sets (best 6 of 7) 20%  
            Midterms (25% each)  50%  
            Final  30%

Exam Comments:  All exams are closed-book, closed-notes.  You will be allowed to bring a single page  
            (written on both sides if you wish) to each midterm and three such pages to the final exam.  The final  
            exam will be comprehensive, but there will be a slight emphasis on those topics covered after the second  
            midterm.  All work on exams must be entirely your own work.  
            A portable calculator (computing, statistical functions) may be used in all exams and homework,  
            provided that your work is clearly displayed in writing.  If no work is shown, no partial credit can be  
            given for wrong answers, and you will not receive full credit for correct answers.  
            No pda’s or cell phone calculators will be allowed during exams.  
            Please note: Within one week of receiving your graded exam, please notify me in writing of any  
            grading questions that you have.

Exam Dates  Midterm I:  February 4 (Friday), in class.  Chapters 1-2, Sections 3.1, 3.2.  
            Midterm II: February 25 (Friday), in class.  Sections 3.3 - 3.6, Sections 4.1, 4.2.  
            Final Exam:  Wednesday, March 16, 3:30-5:18 PM (in class)

(OVER)
Homework Comments: The first homework assignment is given on this syllabus. It is due in two weeks. Future homework assignments will be announced on the web page and will be due approximately weekly. There will be a total of seven assignments. One assignment will be dropped. Please turn in homework at the beginning of lecture or slide it under my office door (with my name and your name written at the top of the paper). *No assignments will be accepted after the answers are posted to the web site (shortly after class on the due date).* Assignments given to the TA or put in the Stat 427 drop box outside 413 Cockins Hall will not be accepted.

Some of the problems will be marked with a (*), and only those are required to be handed in. For all exams, you will be expected to be able to answer questions similar to any assigned homework problem including those that are not required to be handed in. Web page solutions will be available for all assigned problems. For homework assignments submitted close to a test date, I suggest that you make a copy of your work so that you can compare your work to the posted solutions.

Addressing Issues of Differing Abilities:: Any student who feels they may need an accommodation based on the impact of a disability should contact me privately to discuss your specific needs. You should also contact the Office of Disability Services at (614) 292-3307 in 150 Pomerene Hall to coordinate reasonable accommodations for students with documented disabilities.

ACADEMIC MISCONDUCT: Cheating, plagiarism and other forms of academic dishonesty will not be tolerated. Any violation will be prosecuted to the fullest extent as set out in University Rule 3335-31-02 (oaa.osu.edu/procedures). Exams are to be completed individually. Although students are encouraged to work together on assignments, you must submit your own written work in your own words.

Tentative Course Outline

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Homework Set 1 (You need to turn in only problems marked with a (*))

Due Date: Friday, January 14.

Problems: Ch 1: 2a, 22*, 33, 36*, 42*, (44abc)*, 51b, 58
          Ch 2: 2*, 8*, 10