MAT 8446 – SURVIVAL ANALYSIS
SPRING 2008

Professor: Michael A. Posner
Email: michael.posner@villanova.edu (best way to reach me)
Office: 387 St. Augustine Center
Phone: (610) 519-3016
Office Hours: Wednesday, 5-6pm (or by appointment)

Class Time: Wednesdays, 6:15 – 8:45pm in John Barry 208
No class on March 5 (Spring Break)

Course Objectives:
1) Understand analysis of time to event (survival) data, including hazard and survival functions, censoring, and parametric and nonparametric modeling.
2) Use SAS’s PROC LIFETEST, LIFEREG, and PHREG.


Course Requirements:
MAT 7405 (Statistical Methods II) or its equivalent

Course Website: through WebCT (accessed from Villanova homepage)
Data from book: http://www.biostat.mcw.edu/homepgs/klein/menu.html

Exam Schedule (Tentative):
Midterm Exam Feb. 27

Grading:
Course grade will be assigned as follows:
40% Homework (collaboration is encouraged, but the work you turn in must be your own!)
20% Midterm Exam (in class)
40% Final Exam (take home)
There will be no extra credit available. Letter grades will be assigned at the end of the semester: A for 93 or above, A- for 90, B+ for 87, B for 83, B- for 80, C for 70, F for less than 70. I grade on a protected curve.

Other Important Dates:
Last day for drop/adds – Jan. 28
Last day to withdraw – Apr. 4
References:


Classroom Etiquette: Please be respectful of other people’s ideas and contributions to the class. The best learning environment is one where everyone feels free to speak his or her opinion (at the appropriate times).

Absence: You are expected to attend class lecture. Any material covered in lecture may be included as questions on examinations. If you anticipate missing an exam for religious, medical, or family emergency reasons, let me know BEFORE the class, preferably as early as possible, so that appropriate arrangements can be made. I understand that many of you are working in addition to taking classes. Missing class due to your job falls into this category as well – you are still responsible for the material.

Academic Integrity: You should be familiar with the University Code of Academic Integrity, as presented in Appendix I of the *Enchiridian*. Academic misconduct involves more than just cheating on exams or homework. Even though collaboration on homework assignments is encouraged, *all work handed in must be your own*. I recommend discussing the problems or explaining your solution to someone, without actually giving them the paper you are handing in. The best way to learn something is to teach it to someone else. I am available for assistance, should you need any. *During examinations, there will be no collaboration allowed!* Anyone violating this by talking, looking at someone else’s paper, beaming something via a palm pilot, etc. will be reported to the Dean’s Office without fail. Penalties for violating the Academic Integrity Code may include suspension or expulsion from the University.

Special Needs: If you have any special needs, whether a physical handicap or learning disability or family emergency that arises during the course of the semester, please make an appointment to see me as soon as possible. I will deal with each situation on a case-by-case basis but they must be dealt with IN ADVANCE. You may contact the Office of Learning Support Services at 610-519-5636 or visit the office in Geraghty Hall.

*I am looking forward a great semester!*