INSTRUCTOR: Professor Wei Zhu  
CLASS: Tuesday/Thursday 8:15-9:35AM, Online with Zoom  
OFFICE: Math Tower P-138 (Online with Zoom for now)  
OFFICE HOURS: Tuesday/Thursday 9:35AM-10:35AM  
E-MAIL: wei.zhu@stonybrook.edu  
WEBSITE: http://www.ams.sunysb.edu/~zhu/  

TEXTBOOK  
• Survival Analysis: Techniques for Censored and Truncated Data (2nd edition) by John P. Klein and Melvin L. Moeschberger. (Data sets used in the book can be found from: https://cran.r-project.org/web/packages/KMsurv/KMsurv.pdf)  
• Survival Analysis Using The SAS System: A Practical Guide by Paul D. Allison (some data sets and macros used in the book can be found from: http://ftp.sas.com/samples/A55233)  

TOPICS TO BE COVERED  
This course explores several important topics in failure and survival data analysis, with focus on: a) Analysis of survival times such as characterizing the distribution of “time to event” for a given population, comparing this “time to event” among different groups (e.g., treatment vs. control in a clinical trial or an observational study), and modeling the relationship of “time to event” to other covariates (~85%); b) Statistical techniques and issues for planning and conducting clinical trials (~15%).  

ASSIGNMENTS AND PROJECTS  
Given regularly; No late homework will be accepted. Students are encouraged to work together on problems with which they have difficulties. At the end of the semester, students will voluntarily form teams to give presentations on projects they worked on. A project could be data analysis using methods of this course or on a topic that was not covered by the instructor.  

TESTS: Midterm Exam (Thursday, October 29, 2020: 8:15AM-9:35AM); Final Exam (Wednesday, December 9, 2020: 11:15AM-1:45PM); (Exams are close-book with calculator plus 1 page 8x11 double-sided formula sheet allowed)  

GRADING: Homework 20%; Group Project: 30%; Midterm Exam 20%; Final Exam 30%  

Disability Support: If you have a physical, psychological, medical or learning disability that may impact your course work, please contact Disability Support Services, ECC (Educational Communications Center) Building, room 128, (631) 632-6748. They will determine with you what accommodations, if any, are necessary and appropriate. All information and documentation is confidential.  

Students who require assistance during emergency evacuation are encouraged to discuss their needs with their professors and Disability Support Services. For procedures and information go to the following website: http://www.stonybrook.edu/ehs/fire/disabilities
**Academic Integrity:** Each student must pursue his or her academic goals honestly and be personally accountable for all submitted work. Representing another person's work as your own is always wrong. Faculty are required to report any suspected instances of academic dishonesty to the Academic Judiciary. For more comprehensive information on academic integrity, including categories of academic dishonesty, please refer to the academic judiciary website at:  
http://www.stonybrook.edu/commcms/academic_integrity/index.html

Stony Brook University expects students to respect the rights, privileges, and property of other people. Faculty are required to report to the Office of Judicial Affairs any disruptive behavior that interrupts their ability to teach, compromises the safety of the learning environment, or inhibits students' ability to learn.