Syllabus

General Information
Instructor: Yili Hong, PhD
Office: 213 Hutcheson Hall; Phone: 540-231-9710; Email: yilihong@vt.edu
Class time and place: TR 8:00am-9:15am; Seitz 300.
Office hours: TR 9:30am-11:00am, or by appointment.

Resources
Course webpage: https://canvas.vt.edu/
Notes: Classes are based on lecture notes provided.
References: The following books are for your references.
Software: JMP, required. Purchase JMP directly from Software Distribution at the Torgersen end of Torgersen Bridge.

Description
This course is the second in a two-semester sequence (Stat 5605 and Stat 5606) of Biometry. The overall objective is the development of basic statistical literacy and skills in the analysis of biological and health data. The following topics are included: simple regression, multiple regression, analysis of variance, logistic regression, and Poisson regression; longitudinal data analysis and survival analysis, if time permits.

Evaluation
• Letter grade will be given based on homework (50%), and final project (50%).
• Homework: There will be five homework. Turn them in at the beginning of the class on the date it is due. NO late homework will be accepted.
• Final project: Students are expected to complete a project in which they acquire and analyze a data set from biological and health areas, and write a comprehensive report.

Academic Integrity
Students are expected to abide by Virginia Tech’s Community Standard for all work for this course (http://www.honorsystem.vt.edu/). Violations of the Standard will result in a failing final grade for this course and will be reported to the Dean of Students for adjudication. Ignorance of what constitutes academic dishonesty is not a justifiable excuse for violations.
Special Accommodation

As supported by Virginia Tech’s Principles of Community (http://www.vt.edu/diversity/principles-of-community.html), all students will be treated equally. Those with special needs can be accommodated and should refer to the website http://www.ssd.vt.edu/ for specific questions.