

Fall 2013

**Statistics 4625/5625**  
**Introduction to Biostatistics**

**Text:** Statistical Methods for the Analysis of Biomedical Data, 2<sup>nd</sup> Ed. By Robert Woolson and William Clarke, John Wiley & Sons, Inc. 2002.

**References:** 1. Biostatistics: A Methodology for the Health Sciences, 2<sup>nd</sup> Ed, by Gerald Van Belle, Lloyd D. Fisher, Patrick J. Heagerty, and Thomas Lumley, John Wiley & Sons, Inc. 2004.  
2. The Little SAS Book: A Primer, 2 Ed, by Delwiche, L. D. and Slaughter, S. J., SAS Publishing.  
3. SAS System for Regression, 3<sup>rd</sup> Ed., by Freund, R. J., and Littell, R. C., SAS Publishing.  
4. Statistical Methods in Diagnostic Medicine, by Xiao-Hua Zhou, Nancy A. Obuchowski, and Donna K. McClish, John Wiley & Sons, Inc. 2002.

**Time and Place:** Monday 11:15-1:15, Wednesday 11:15-12:05, CLAS 344

**Instructor:** Ofer Harel

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**Teaching Assistant:** Ellis Shaffer

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**Prerequisite:** Stat 3025 and Stat 3375

**Grading:** You are responsible for the material covered in the text, lectures, and homework. The final grade will be based on class participation (might composed of quizzes, and other types of participation), project, homework, two in class examinations and final exam. There will be no makeup exams. Each homework assignment is due in class on the assigned date. All three exams are closed book and closed notes. However, you are allowed to bring in one page (8.5"x11") of your own notes. Students are expected to bring a calculator during classes and exams. Although the exams are the same for students in both classes (Stat 4625 and Stat 5625), the grades are assigned based on different curves, one for undergraduates and the other one for graduates.

Homework:	20%
Class participation:	5%
Project:	15%
Exam 1:	15% TBD
Exam 2:	15% TBD
Final Exam:	30% (According to the schedule)