

BIOST 540  
Spring Quarter 2017  
Dr. Heagerty  
March 28, 2017

BIOST 540  
LONGITUDINAL AND MULTILEVEL DATA ANALYSIS  
SPRING 2017

PREREQUISITES: BIOST/EPI 536; BIOSTAT 518; or permission

HOURS: Lecture: Tuesday 1:30pm-2:50pm,  
HSB T-739  
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INSTRUCTOR: Patrick Heagerty, PhD  
Professor  
Department of Biostatistics  
F-665 HSB; 206-616-2720  
e-mail: [heagerty@u.washington.edu](mailto:heagerty@u.washington.edu)

OFFICE HOURS: Tuesday 3:30-5:00pm

OPTIONAL TEXTS: Diggle, Heagerty, Liang & Zeger:  
Analysis of Longitudinal Data  
Second Edition, Oxford Univ. Press, 2002.

Fitzmaurice, Laird & Ware:  
Applied Longitudinal Analysis  
Wiley, 2004.

Lecture notes available on the course web  
page.

COMPUTER: We will be using STATA, R, and SAS

SOFTWARE: Personal copies of STATA are available for UW  
Health Sciences faculty, students, and staff via

the STATA web site at:

<http://www.stata.com/info/order/new/edu/gradplans/gp3-order.html>

R is a free package

SAS is available on select university computers

**CLASS:** Homework exercises and course information will be available on the class website

**WEBSITE:**

<http://faculty.washington.edu/heagerty/Courses/b540>

**DISABILITY:** If you would like to request academic accommodations due to a disability, please contact Disabled Student Services, 448 Schmitz, 543-8924 (V/TDD). If you have a letter from Disabled Student Services indicating you have a disability that requires academic accommodations, please present the letter to me so that we can discuss the accommodations you might need for class.

**COURSEWORK:** Discussion Assignments (approx. weekly)  
Midterm Exam (take-home)  
Final Exam (take-home)

**GRADING:** Numerical class grades will be based on the midterm exam (50%) and the final exam (50%). In addition, weekly homework questions will be asked with the goal of developing some case-studies based on your participation.