



JOSEPH J. ZILBER School of Public Health

Plan of Study Fillable Worksheet – PhD BIOSTATISTICS (69 Credits)

STUDENT NAME: _____				GRADUATION: _____					
CHECK BOX CORRESPONDING TO THE SEMESTER YOU COMPLETE EACH COURSE									
ENTER THE NUMBER OF CREDITS IN "# CREDITS," OR TYPE TRANSFER, IF APPLICABLE.									
COURSE NUMBER	COURSE TITLE	# CREDITS	Transfer Classes if Applicable	Fall	Winter	Spring	Summer	ENTER YEAR	
Biostatistics Required Courses (12 credits)									
PH 702	Introduction to Biostatistics (3 credits)								
PH 704	Principles of Epidemiology (3 credits)								
PH 801	Seminar in Public Health Research (3 credits)								
PH 819	Social and Environmental Justice in Public Health (3 credits)								
Method Requirements (36 credits)									
MTHSTAT 761	Mathematical Statistics I (3 Credit)								
MTHSTAT 762	Mathematical Statistics II (3 Credit)								
PH 711	Intermediate Biostatistics (3 credits)								
PH 718	Data Management and Visualization (3 credits)								
PH 813	Practice of Biostatistical Consulting (3 credits)								
PH 818	Statistical Computing (3 credits)								
PH 911	Generalized Linear Models (TBD) (3 credits)								
Select one of the following (3 credits)									
MATH 571	Introduction to Probability Models (3 credits)								
MATH 771	Theory of Probability (3 credits)								
MCW 04285	Introduction to Bayesian Analysis (3 credits)								
Electives (27 credit minimum)									
PH 714	Statistical Genetics and Genetic Epidemiology (3 credits)								
PH 715	Applied Categorical Data Analysis (3 credits)								
PH 717	Applied Longitudinal Data Analysis (3 credits)								
PH 720	Special Topics in Biostatistics (1-3 credits)								
PH 721	Introduction to Translational Bioinformatics (1-3 credits)								
PH 723	Design, Conduct and Analysis of Clinical Trials (TBD) (3 credits)								
PH 758	Social Epidemiology (3 credits)								

PH 762	Environmental Epidemiology (3 credits)								
PH 768	Cancer Epidemiology (TBD) (3 credits)								
PH 769	Critical Perspectives on Nutritional Epidemiology and the Food System (TBD) (3 credits)								
PH 8XX	Statistical Learning TBD (3 credits)								
PH 8XX	Network Analysis TBD (3 credits)								
PH 8XX	Causal Inference TBD (3 credits)								
COMPSCI 708	Scientific Computing (3 credits)								
COMPSCI 711	Introduction to Machine Learning (3 credits)								
BIO SCI 490	Molecular Genetics (3 credits)								
BIO SCI 597	RNA Structure, Function, and Metabolism (3 credits)								
MTHSTAT 564	Time Series Analysis (3 credits)								
MTHSTAT 565	Nonparametric Statistics (3 credits)								
MTHSTAT 768	Applied Stochastic Processes (3 credits)								
MTHSTAT 863	Hypothesis Testing (3 credits)								
MTHSTAT 869	Advanced Topics in Mathematical Statistics (3 credits)								
PH 811	Causal Inference (3 credits)								
PH 812	Statistical Learning & Data Mining (3 credits)								
Doctoral Thesis (9 credit minimum)									
PH 990	Research and Dissertation								
CREDIT TOTAL (Must equal at least 69 to graduate)									