UWM | 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)			◯	◯	◯	◯	

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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)		0						