

Biostatistics Concentration Curriculum
Start Term Fall 2017 – Summer 2019



Course Number	Course Title	Credits	Required or Elective	Semester Offered
MPH Core Courses - 15 credit hours (grade of B- or above required)				
PH 7010	Biostatistics for Public Health	3	Required	Fall/Spring/Summer
PH 7020	Environmental Public Health	3	Required	Fall/Spring
PH 7030	Epidemiology for Public Health	3	Required	Fall/Spring/Summer
PH 7060	Health Systems & Policy	3	Required	Fall/Spring/Summer
HPE 7040	Social & Behavioral Foundations of Public Health	3	Required	Fall/Spring
Biostatistics Concentration Courses - 12 credit hours (grade of B- or above required)				
PH 7023	Advanced Biostatistics	3	Required	Fall
PH 7024	Computational Statistics	3	Required	Spring
PH 7088	Regression Analysis	3	Required	Spring
PH 7089	Experimental Design	3	Required	Fall
Elective Courses - Select a minimum of 6 credit hours from the following list of elective courses:				
PH 7011	Statistical Computation and Software	1	Elective	Fall/Summer
PH 7012	Introduction to Qualitative Methods	1	Elective	Fall/Spring
PH 7028	Introduction to Data Science	3	Elective	TBD
PH 7054	Data Science for Biomedical Research	3	Elective	Spring
PH 7061	Biostatistics in Research	3	Elective	Spring
PH 7064C	Statistical Genetics	3	Elective	Fall
PH 7070	Leadership, Comm & Systems Thinking in PH Mgmt.	3	Elective	Fall/Spring/Summer
PH 7090C	Applied Survival Analysis	3	Elective	TBD
PH 7091	Applied Multivariate Analysis	3	Elective	TBD
PH 8015	Application and Practice of Stats in Clinical Trials	3	Elective	TBD
PH 8065	Introduction to Medical Informatics	3	Elective	Fall
PH 8069	Study Design & Analysis	2	Elective	Fall
PH 8083	Data Analysis with R and SAS	3	Elective	Spring
PH 8093	Introduction to Database Management Systems	3	Elective	Fall
PH 9063C	Special Topics in Biostatistics	1	Elective	Fall/Spring
Practicum Experience - 3 credit hours (grade of B- or above required) - Meeting with instructor required for permission to enroll				
PH8090	Public Health Practicum	3	Required	Fall/Spring/Summer
Culminating Experience - 6 credit hours (grade of B- or above required) - Meeting with instructor required for permission to enroll				
PH8096/8097	Capstone I & Capstone II	6	Required (Select 1 Option)	Fall/Spring/Summer
PH8098/8099	Thesis I & Thesis II			Fall/Spring/Summer
Total Credits		42	ALL semester course offerings are subject to change.	

All questions regarding the student's program of study should be directed to a faculty advisor. This document serves as a resource to be used by the student and the advisor with course planning, but is not inclusive of all-important degree, college, and university requirements. All students are expected to be familiar with the [UC MPH Student Handbook](#) and the [UC Graduate School Student Handbook](#).

- 3.0 GPA (B average) or higher required for graduation.
- "I" or "NG" grades must be removed from academic record prior to applying for graduation.
- Students are required to register for at least 1 credit hour per academic year (Fall, Spring, or Summer) to maintain active student status.
- Students must complete all degree requirements no later than five (5) years from their start term of matriculation into the program.
- MPH core courses and MPH-BIOS concentration courses are required and cannot be replaced with another course.
- Students can enroll in any PH graduate level course code not listed above to fulfill an elective requirement. Courses that do not have a PH course code require an Elective Approval Form signed by a Concentration Director or the MPH Program Director.