

## Master in Urban Planning

### Analytic Methods: Quantitative

### 2024-2025

Students must take at minimum 2 units in quantitative methods unless able to demonstrate sufficient experience to waive the requirement or pass a waiver exam. It is highly recommended that students enroll in **GSD 5215** unless they are in a dual MPP, MPA, or MPH degree program taking a more advanced course. To postpone this requirement until after the first semester, please sign up for the [Program Director's office hours](#).

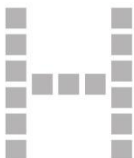
#### FALL 2024 APPROVED COURSES:

SCHOOL	COURSE NUMBER	COURSE TITLE	UNITS	FACULTY
GSD	2515	Analytic Methods of Urban Planning: Quantitative (Fall 2)	2	Voulgaris
FAS	STAT 109A	Data Science 1: Introduction to Data Science	4	Protopapas
HKS	API 201	Quantitative Analysis and Empirical Methods <sup>1</sup>	4	Various
HKS	API 205	Politics and Policies: What Is the Impact of Data and AI?	4	Hughes Hallett
HKS	API 209	Advanced Quantitative Methods I: Statistics <sup>2</sup>	4	Levy
HKS	API 222	Machine Learning and Big Data Analytics <sup>3</sup>	4	Saghafian
HSPH	BST 201	Introduction to Statistical Methods <sup>4</sup>	4	Catalano
HSPH	BST 210	Applied Regression Analysis <sup>5</sup>	4	Lake

- 1. This is the first course of a required two-course sequence with API 202. Enrollment is restricted to MUP/MPP dual degree students. Otherwise, permission of the instructor is required to enroll.*
- 2. Prerequisites: Multivariate calculus or linear algebra. Enrollment is restricted to MUP/MPA-ID dual degree students. Otherwise, permission of the instructor is required to enroll.*
- 3. Prerequisites: An understanding of intermediate-level statistics and probability theory (e.g., API-201, API-202, or equivalent courses).*
- 4. Enrollment is restricted to MUP/MPH dual degree students. Otherwise, permission of the instructor is required to enroll.*
- 5. Cross-registrants and non-MPH students will be enrolled on a space available basis after the enrollment deadline for the course. Prerequisite: ID201 or BST201.*

#### SPRING 2025 APPROVED COURSES:

SCHOOL	COURSE NUMBER	COURSE TITLE	UNITS	FACULTY
HKS	API 202	Empirical Methods II (Spring 1) <sup>1</sup>	2	Schneer, Svoronos,
HSPH	BST 210	Applied Regression Analysis <sup>2</sup>	4	Thaweethai
HSPH	ID 201	Core Principles of Biostatistics and Epidemiology for Public Health Practice <sup>2</sup>	8	Mattie



1. Enrollment is restricted to MUP/MPP dual degree students. This course is not available for cross-registration.
2. Cross-registrants and Non-MPH students will be enrolled on a space available basis after the enrollment deadline for the course. Prerequisite: ID201 or BST201.

**APPROVED BUT NOT OFFERED IN 2024-2025:**

SCHOOL	COURSE NUMBER	COURSE TITLE	UNITS	FACULTY
GSAS	3808	Introduction to Quantitative Methods for the Social Sciences and Humanities	4	Miratrix

