

# 2018 Summer Math Review (Noncredit)

July 9 - 30

In this course, mathematical methods and techniques commonly encountered by first-year students in the Joint Program will be covered. Each session focuses on a specific topic, and students can choose to attend sessions that are most relevant to their course selections and research.

Sessions will be held in Clark 271 from 9:30-11:00am.

Monday 9 July	Precalc (algebra, trigonometry, spherical coordinates)
Wednesday 11 July	Calculus (integration, differentiation with one variable)
Friday 13 July	Calculus (multivariate, Green's theorem)
Monday 16 July	Linear Algebra
Wednesday 18 July	Ordinary Differential Equations, Part I
Friday 20 July	Ordinary Differential Equations, Part II
Monday 23 July	Partial Differential Equations and Scaling, Part I
Wednesday 25 July	Partial Differential Equations and Scaling, Part II
Friday 27 July	Probability and Statistics
Monday 30 July	Data Analysis

Instructors:

July 9, 11, 13	Adrian Garcia
July 16, 18, 20	Jing He
July 23, 25	Mara Freilich
July 27, 30	Jeffrey Mei