

2019 Summer Math Refresher (Noncredit)

July 8 - 29

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. Class will be linked to MIT as requested.

Sessions will be held in Clark 271 (except on July 10*) from 9:30-11:00am.

Monday 8 July	Precalc (algebra, trigonometry, spherical coordinates)
Wednesday 10 July	Calculus (integration, differentiation with one variable)
Friday 12 July	Calculus (multivariate, Green's theorem)
Monday 15 July	Linear Algebra
Wednesday 17 July	Ordinary Differential Equations, Part I
Friday 19 July	Ordinary Differential Equations, Part II
Monday 22 July	Data Analysis
Wednesday 24 July	Probability
Friday 26 July	Partial Differential Equations and Scaling, Part I
Monday 29 July	Partial Differential Equations and Scaling, Part II

Instructors:

July 8	Stephan Gallagher
July 10, 12	Rachel Kahn
July 15	Nastasia Winey
July 17, 19	Adrian Garcia
July 22	Julie Jakoboski
July 24	John San Soucie
July 26, 29	Mara Freilich

* On Wednesday, July 10 class will be held in Clark 331.