

2015 Summer Math Review (Noncredit)

13 July - 12 August

This course is a review of mathematical methods that are used in oceanography and engineering. 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 it is expected that **students will choose to attend the sessions that are most relevant to their course selections and research**. Additional details on material to be covered will be forthcoming at the incoming student orientation.

Sessions will held in Clark 271 from 10:00-11:30 AM (except 7/24 in Clark 331).

Monday 13 July	Algebra + Differential Calculus
Wednesday 15 July	Integral Calculus
Friday 17 July	Vector/Multivariable Calculus
Monday 20 July	MATLAB + Programming
Wednesday 22 July	Linear Algebra
Friday 24 July	Probability + Statistics
Monday 27 July	Coordinate Systems + Complex Variables
Friday 31 July	Ordinary Differential Equations
Wednesday 5 August	Ordinary Differential Equations: Applications
Friday 7 August	Partial Differential Equations
Monday 10 August	Signal Processing + Time Series Analysis
Wednesday 12 August	Scaling + Non-Dimensionalization