

COLUMBIA UNIVERSITY

DEPARTMENT OF MATHEMATICS

SAMUEL EILENBERG LECTURES



— Professor Tobias Holck Colding
(Massachusetts Institute of Technology)

"Heat Equations in Analysis, Geometry, and Probability"

In its most basic form, the heat equation is a partial differential equation that describes the evolution of temperature in space over time.

— This and similar equations play a central role in diverse fields. The goal is to provide an introduction to the heat equation and its generalizations, including connections to geometry and geometric flows, probability, and, of course, analysis.

Tuesdays at 2:40pm

520 Mathematics Hall

2990 Broadway (117th Street) in Manhattan

First Lecture: January 28, 2020