

# NEW DATA SCIENCE CLASS

# MA 349

## Signals & Systems



- Learn the math behind data science algorithms: the Fast Fourier Transform, convolution, denoising, compression, edge detection, and wavelets.
- Learn to code signal processing and image processing algorithms.
- Prerequisite: Linear Algebra (MA 26500 / MA 35100)

## *Honors Credit Available*

### HANDS-ON LAB

### MA 34990

Practice signal processing by manipulating sound.

Take the lecture MA 34900 and the lab MA 34990 in the same semester to earn honors credit.

For more information, contact Dr. Hood at [kthood@purdue.edu](mailto:kthood@purdue.edu)