



Math 280: Lie Theory and Category \mathcal{O}

Instructors: William Slofstra and Monica Vazirani

Where: MSB 2112

When: Spring Quarter, Monday and Wednesday
12:00-1:30

Description: The course will be an introduction to the representation theory of semisimple Lie algebras (and more generally, Kac-Moody algebras), with a focus on category \mathcal{O} .

Prerequisites: 250A and 250B are expected; 250C and 261 will also be helpful.

References: "Representations of Semisimple Lie algebras in the BGG Category \mathcal{O} ", by Humphreys.
Additional references TBA.

More information: Student presentations will be part of the course. If you would like access to the class Smartsite before registering, please email William (wslofstra@math.ucdavis.edu).