

# Mentor Lecture Series

Organizer: Daniel Erman and Bianca Viray

Monday, 4:10–5:00pm, 60 Evans

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Nov. 20     **Theodore Slaman**, UCB

*Mathematical Logic*

A mathematical question falls into the realm of the logicians when its solution depends on analyzing the context in which the question is posed or the resources with which it is supposed to be solved. I will discuss some natural metamathematical breakpoints. When do infinitary principles have finitary consequences? When are complicated sets the only examples of simply described phenomena?

*The Mentor Lecture Series is designed for first and second year graduate students. The series aims to acquaint beginning graduate students with potential dissertation supervisors whom they might not otherwise closely encounter, and to impart a taste of research activity in the mathematics department in order to help beginning students choose fields of specialization.*