

# NUMBER THEORY LEARNING SEMINAR SPRING 2018

## Introductory Lecture and Organizational Meeting: All Welcome!

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Tuesday, April 3, 2018, 1:00 p.m.  
Room South Hall 6635

**Abstract:** In 1859 Riemann studied the zeros of the Riemann zeta function and linked them to the distribution of prime numbers. It is fascinating to me how zeros of such purely analytic objects can encode so much arithmetical information about prime numbers. This quarter, our learning seminar, in parallel with the Graduate Number Theory seminar, will investigate arithmetic of zeros of related analytic functions, partly motivated by recent work of B. Rodgers and T. Tao on the Newman conjecture.

This seminar is part of the UCSB Graduate Number Theory Seminar. Information about future meetings can be found at <https://web.math.ucsb.edu/GNTseminar/>