

LTCC Advanced Course

Title: Algebraic cycles with applications to motives

Basic Details:

- Course Format (**Extended**: 5 x 2hr lectures)

Course Description:

We will give an introduction to algebraic cycles, starting with basic definitions and properties of the classical Chow groups, and then moving on to do the same for the higher Chow groups. Time permitting, we will discuss their application to motives (a theory that classifies cohomology theories) and relationships to special values of L-functions.

Lecturer Details:

- Lecturer: Dr Owen Patashnick
- Lecturer home institution: King's College London
- Lecturer e-mail: owen.patashnick@kcl.ac.uk