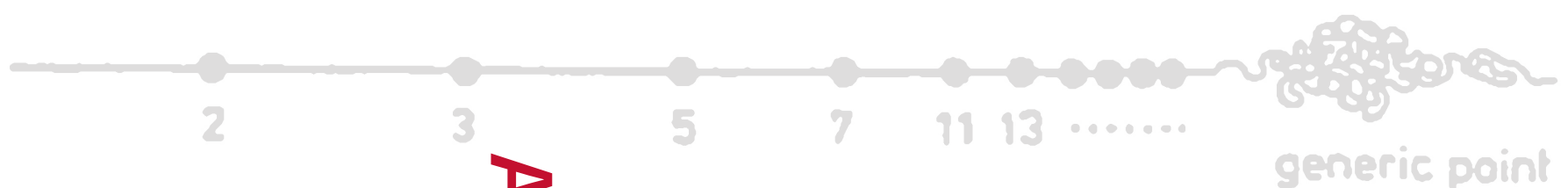


Introduction to Algebraic Geometry



A COURSE FOR UNDERGRADUATES

Instructor:

Christopher Hacon,
Department of
Mathematics,
University of Utah

Dates:

May 16–27, 2016

Location:

University of Utah
Salt Lake City, Utah

Eligibility:

US citizens
and permanent
residents

**Application
Deadline:**

March 1, 2016

Algebraic Geometry is, at its core, the study of the solution sets to polynomial equations. Its roots date back to the ancient Greeks and the subject closely related to many different fields in mathematics and beyond (such as algebra, differential geometry, topology, analysis, number theory and mathematical physics to name a few). In this course we will give an introduction to Algebraic Geometry which is appropriate for the advanced undergraduate student which emphasizes the theoretical foundations as well as concrete computations and examples. We will also explore additional topics related to modern research.

**For more information and an application see
www.math.utah.edu/agtrtg/intro-alg-geom**

The course is supported by the Research Training Grant: Algebraic Geometry and Topology at Utah. Financial support is available to US citizens and permanent residents and all eligible students who are accepted will have all of their costs associated with attendance covered by the grant.

The RTG supports research in algebraic geometry and topology at the University of Utah, including graduate and postdoctoral fellowships. Further information can be found at www.math.utah.edu/agtrtg.

