

## The Department of Mathematics

2017–18–B term

**Course Name** Algebraic curves

**Course Number** 201.2.4451

**Course web page**

<https://www.math.bgu.ac.il/~kernerdm/Teaching/2018.Alg.Curves/2018.Alg.Curves.htm>

**Lecturer** Prof. Dmitry Kerner, <kernerdm@bgu.ac.il>, Office 217

**Office Hours** <https://www.math.bgu.ac.il/en/teaching/hours>

### Abstract

### Requirements and grading<sup>1</sup>

### Course topics

- .1 Affine algebraic sets and varieties.
- .2 Local properties of plane curves.
- .3 Projective varieties and projective plane curves.
- .4 Riemann–Roch theorem.

---

<sup>1</sup>Information may change during the first two weeks of the term. Please consult the webpage for updates