The Department of Mathematics
2019–20–A term

Course Name  Topics in Field Theory and Galois Theory
Course Number  201.1.4321
Course web page  
Lecturer  Prof. Ido Efrat, <efrat@bgu.ac.il>, Office 106
Office Hours  
https://www.math.bgu.ac.il/en/teaching/hours

Requirements and grading

Course topics

1. Ordered fields: Hilbert’s 17 problem, orderings and preorderings, sums of squares, real closed fields, Artin-Schreier theory

2. Infinite Galois theory: profinite groups, the Galois correspondence in the infinite case

3. Introduction to Galois cohomology

Information may change during the first two weeks of the term. Please consult the webpage for updates