

## The Department of Mathematics

2017–18–A term

**Course Name** Finite Linear Systems

**Course Number** 201.1.0221

**Course web page**

<https://www.math.bgu.ac.il/en/teaching/fall2017/courses/finite-linear-systems>

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

### Abstract

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

### Course topics

State space and transfer functions, stability-state space and input output, observability and controllability, realization theory, Hankel Matrices, statefeedback and stabilization, Riccati equations.

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