

The Department of Mathematics

2020–21–B term

Course Name Ordinary Differential Equations

Course Number 201.1.0061

Course web page

<https://www.math.bgu.ac.il/en/teaching/spring2021/courses/odes>

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

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

Abstract

Requirements and grading¹

Course topics

Ordinary differential equations of first order, existence and uniqueness theorems, linear equations of order n and the Wronskian, vector fields and autonomous equations, systems of linear differential equations, nonlinear systems of differential equations and stability near equilibrium

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