אוניברסיטת
בן-גוריון בנגב

The Department of Mathematics

2022–23–B term

Course Name Ordinary Dffierential Equations

Course Number 201.1.0061

Course web page
`https://www.math.bgu.ac.il//en/teaching/spring2023/courses/ordinary-differential-equations`

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[1]

Course topics

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

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