The Department of Mathematics  
2021–22–B term

Course Name  Ordinary Differential Equations
Course Number  201.1.0061

Course web page  https://www.math.bgu.ac.il//en/teaching/spring2022/courses/odes

Lecturer  Dr. Eli Shamovich, <shamovic@bgu.ac.il>, Office 102

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

Abstract

Requirements and grading

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

\[^{1}\text{Information may change during the first two weeks of the term. Please consult the webpage for updates}\]