The Department of Mathematics
2023–24–A term

Course Name  Ordinary Differential Equations for Industrial Engineering and Management

Course Number  201.1.9481

Course web page  https://www.math.bgu.ac.il//en/teaching/fall2024/courses/methods-of-mathematical-analysis

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

Abstract

Requirements and grading

Course topics

Ordinary Differential Equations

Integral Transforms
Laplace transform, properties of the Laplace transform. Convolution of two functions and convolution theorem. Heavyside (unit step) function, ?-function (Dirac), particularly continuous functions, their Laplace transform. Solution of non-homogeneous differential equations by Laplace transform.


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