The Department of Mathematics
2020–21–B term

Course Name  Ordinary Differential Equations for Industrial Engineering and Management

Course Number  201.1.9481

Course web page  

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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. Heaviside (unit step) function, ??-function (Dirac), particularly continuous functions, their Laplace transform. Solution of non-homogeneous differential equations by Laplace transform.

Fourier transform, properties of the Fourier transform. Convolution of two functions and convolution theorem. Cosines and Sine Fourier transform. Solution of integral equations by Fourier transform..

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