אוניברסיטת
בן-גוריון בנגב

The Department of Mathematics

2018—19—A term

Course Name Introduction to Dffierential Equations B

Course Number 214.1.9171

Course web page
`https://www.math.bgu.ac.il//en/teaching/fall2019/courses/introduction-to-differe`

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

Abstract

Requirements and grading[1]

Course topics

Ordinary dffierential equations: explicit solutions of first order equations. 2nd order equations. Higher order ordinary dffierential equations. Systems of ordinary dffierential equations. .2 Fourier series: Review of series of functions, Fourier expansions and properties of Fourier series, convergence of Fourier series, Gibbs phenomenon. Application to the heat conduction equation. .3 Additional applications as time permits.

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