The Department of Mathematics
2023–24–A term

Course Name  The Mathematics Of Systems 1
Course Number  201.1.9431
Course web page  https://www.math.bgu.ac.il/en/teaching/fall2024/courses/the-mathematics-of-systems-1

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

Abstract

Requirements and grading

Course topics

Topics:  .1 Limits and Continuity of functions, applications .2 Differentiability of functions, applications .3 Differentiation techniques .4 Differentiation of Implicit functions, applications .5 Investigation of functions .6 Multivariable functions, Partial derivatives, applications .7 The Definite Integral .8 The Indefinite Integral .9 Applications of Integrals .10 Integration techniques .11 Taylor polynomials .12 Simple Differential Equations.

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