The Department of Mathematics
2020–21–B term

Course Name  Differential and Integral Calculus IE2
Course Number  201.1.9621
Lecturer  Dr. Irena Lerman, <lerman@bgu.ac.il>, Office מינוס 110
Office Hours  https://www.math.bgu.ac.il/en/teaching/hours

Abstract

Requirements and grading

Course topics

The aim of the course is to learn basis of Calculus of functions of two and more variables. It includes: a) short study of vector algebra and analytic geometry in plane and space; b) differential calculus of two and more variables and its applications to local and global extremum problems, directional derivatives, Taylor’s formula, etc.; c) Integral calculus (line, double and triple integrals) and its applications; d) vector field theory and in particular its applications for studying potential vector fields.

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