The Department of Mathematics
2020–21–B term

Course Name  Calculus 2 for Information Systems
Course Number  201.1.9761
Course web page  https://www.math.bgu.ac.il/en/teaching/spring2021/courses/calculus-2-for-information-systems
Lecturer  Dr. Avi Goren, <gorenav@bgu.ac.il>, Office 110-
Office Hours  https://www.math.bgu.ac.il/en/teaching/hours

Abstract

Requirements and grading

Course topics


2. Functions of several variables. Graphs and level curves and surfaces. Limits and continuity. Properties of the continuous functions on a closed bounded domain. Partial derivatives. The plane tangent to graph of the function. Differentiability, the total differential and the linear approximation. Differentiability implies continuity. The chain rule. The gradient vector and the directional derivative. Tangent plane and the normal line to a surface at a point. 201.1.9761

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