The Department of Mathematics

2021–22–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/spring2022/courses/calculus-2-for-information-systems

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


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