The Department of Mathematics
2017–18–B term

Course Name  Methods Of Mathematical Analysis
Course Number  201.1.9481
Lecturer  Prof. Nina Chernyavskaya, <nina@bgu.ac.il>, Office 307
Office Hours  [https://www.math.bgu.ac.il/en/teaching/hours](https://www.math.bgu.ac.il/en/teaching/hours)

Requirements and grading

Course topics


Integral Transforms  Laplace transform, properties of the Laplace transform. Convolution of two functions and convolution theorem. Heavyside (unit step) function, δ-function (Dirac), particularly continuous functions, their Laplace transform. Solution of non-homogeneous differential equations by Laplace transform.


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