Course Name  Partial Differential Equations For Biotechnology
Course Number  201.1.9591
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Office Hours  https://www.math.bgu.ac.il/en/teaching/hours

Abstract

Requirements and grading

Course topics


2. Fourier series (definition, Fourier theorem, odd and even periodic extensions, derivative, uniform convergence).

3. Examples: Heat equation (Dirichlet’s and Newman’s problems), Wave equation (mixed type problem), Potential equation on a rectangle.

4. Superposition of solutions, non-homogeneous equation.


7. Potential equation on the disc: Poisson’s formula and solution as series.

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