The Department of Mathematics
2020–21–A term

**Course Name**  Fourier analysis for Electrical Engineering

**Course Number**  201.1.9901

**Course web page**  [https://www.math.bgu.ac.il/en/teaching/fall2021/courses/fourier-analysis-for-electrical-engineering](https://www.math.bgu.ac.il/en/teaching/fall2021/courses/fourier-analysis-for-electrical-engineering)

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**Office Hours**  [https://www.math.bgu.ac.il/en/teaching/hours](https://www.math.bgu.ac.il/en/teaching/hours)

**Abstract**

**Requirements and grading**

**Course topics**


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*Information may change during the first two weeks of the term. Please consult the webpage for updates*
5. Applications to partial differential equations: the heat and wave equations on an interval with constant boundary conditions, the Dirichlet problem for the Laplace equation on the disk, the Poisson kernel.

Bibliography:

- **Korner, Fourier analysis**
- **Stein and Shakarchi, Fourier analysis**