

NUMANN MALIK

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EDUCATION

Brown University, RI PhD & ScM Mathematics	2012-2018
King's College London, UK MSci Mathematics (First Class Honours)	2007-2011

TEACHING

Instructor in Department of Mathematics at Virginia Polytechnic Institute and State University Math 3134 Applied Combinatorics (3 credit hours) - Total of 8 classes across Fall 2023, Summer 2023, Spring 2023, Fall 2021, Summer 2021 Math 2534 Introduction to Discrete Mathematics (3 credit hours) - Total of 6 classes across Spring 2023, Fall 2022, Spring 2022 Math 2214 Introduction to Differential Equations (3 credit hours) - Total of 7 classes across Fall 2022, Spring 2022, Fall 2021, Spring 2021 Math 2114 Introduction to Linear Algebra (3 credit hours) - Total of 4 classes across Spring 2021, Fall 2020 Math 2204 Intro Multivariable Calculus (3 credit hours) - Total of 2 classes in Fall 2020 Math 1226 Calculus of a Single Variable (4 credit hours) - Total of 3 classes in Spring 2020 Math 1225 Calculus of a Single Variable (4 credit hours) - Total of 3 classes in Fall 2019 Content Creator/Course Designer for Math 1225 in Summer 2022 Content Creator/Course Designer for Math 1226 in Summer 2020	2019-
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SERVICE

- Course Coordinator for Math 1225 (Fall 2022, Spring 2023 & Fall 2023)
- Served as a Faculty mentor for Graduate Teaching Assistants certification
- Served as a Faculty panel member on the Undergraduate Honor Council for the Office of Academic Integrity

RESEARCH PROJECTS

- Working on a paper to describe effective dynamics for gray solitons
- Long-time behavior for the vacuum state and black soliton perturbations to the 1D Gross-Pitaevskii equation
- Computed the full spectral resolution from linearizing around the gray soliton

AWARDS

- Student Paper Competition Second Place (Summer 2016) at the American Institute of Mathematical Sciences
- KCL myScholarship cash prize of £1800 for academic performance and services to student life (Fall 2010)
- George Bell prize for most meritorious performance in mathematics by a third year MSci student (Fall 2010)