

Katharine F. Gurski, Ph.D. is an associate professor in the Department of Mathematics at Howard University in Washington, D.C. She joined Howard University in 2008 as an assistant professor and became an associate professor in 2013. She also served as co-director of graduate studies in the Graduate School and has held guest and research positions at national research institutions, including the National Institute of Standards and Technology and the National Research Council. Gurski earned a doctorate in applied mathematics from the University of Maryland, College Park, a master's in applied mathematics and a master's in physics from the University of Illinois at Urbana-Champaign, and a bachelor's in physics, *summa cum laude*, from Emory University.

Gurski's research focuses on mathematical modeling and analysis with applications to physical and biological problems, including fluid dynamics, infectious disease modeling and computational methods. Her work has appeared in peer-reviewed journals in mathematical biology, numerical analysis and computational science, and she has organized and contributed to national and international workshops, conferences and seminars. She has also received research support from the National Science Foundation, the Simons Foundation and Howard University's Office of the Provost.

At Howard University, Gurski teaches courses in applied mathematics, differential equations and mathematical modeling, mentoring undergraduate and graduate students in research and independent study. She has been active in professional service, including editorial work and organizing conference sessions, and has contributed to curricular and faculty committees within the Department of Mathematics. Her career reflects a commitment to interdisciplinary collaboration, mathematical inquiry and the development of students in STEM disciplines.