

Weinan Wang

Curriculum Vitae

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Department of Mathematics
University of Oklahoma
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Positions

- 2023–present **Assistant Professor (tenure-track)**, University of Oklahoma, Norman, OK.
- 2026–present **Affiliated Faculty Member**, Data Institute for Societal Challenges (DISC), University of Oklahoma, Norman, OK.
- Summer 2023 **SLMath Research Member**, Simons Laufer Mathematical Sciences Institute, Berkeley, CA.
- Spring 2021 **MSRI Postdoctoral Fellow**, Mathematical Sciences Research Institute, Berkeley, CA.
- 2020–2023 **Postdoctoral Associate**, University of Arizona, Tucson, AZ.

Education

- 2020 **Ph.D. in Applied Mathematics**, University of Southern California, Los Angeles, CA.
- 2014 **M.A. in Mathematics**, University of Kansas, Lawrence, KS.
- 2012 **B.S. in Mathematics**, Chongqing University of Posts & Telecommunications, China.

Grants

- 2025–2026 **SEC Visiting Faculty Travel Grant**, University of Oklahoma.
- 2024–2029 **Simons Foundation MPS-TSM Grant (No. 0007730)**, Simons Foundation.
- 2024–2027 **AIM SQuaRE Grant**, American Institute of Mathematics, Joint with Zongyuan Li, Bobby Wilson, Xueying Yu, and Katherine Zhiyuan Zhang.
- 2023 **Postdoctoral Collaborative Research Grant (with R. Liu)**, University of Arizona.
- 2022 **Postdoctoral Collaborative Research Grant (with C. Parkinson)**, University of Arizona.
- 2021–2023 **AMS-Simons Travel Grant**, American Mathematical Society.

Honors & Awards

- 2026 **AI for Science Award**, Anthropic.
- 2025 **Sigma Xi Member**, Sigma Xi Honor Society.
- 2025 **Junior Faculty Fellow**, University of Oklahoma.
- 2024 **IAS Summer Collaborators Award**, Institute for Advanced Study, Princeton, NJ.
- 2023 **MSRI Summer Research Membership**, SLMath Institute, Berkeley, CA.
- 2021 **MSRI Postdoctoral Fellowship**, Mathematical Sciences Research Institute, Berkeley, CA.
- 2020 **Edward and Dolores Blum Graduate Research Prize**, University of Southern California.
- 2019 **Departmental Fellowship**, University of Southern California.

Research Interests

Applied mathematics; operator learning; AI for Math; scientific AI agent design; Lean formalization; data science; applied optimal transport; Bayesian inverse problems; fluid and kinetic models; mathematical biology/biostatistics; uncertainty quantification; applied probability and statistics; machine learning in scientific computing; optimal control; stochastic processes.

AI Research Systems and Software

- 2025–present **LeanPilot AI and Lean formalization infrastructure**, Designed Lean 4 workflows for theorem-statement design, proof planning, verification, and reusable formal interfaces for mathematical research.
- 2025–present **Inverse Problems Research Lab**, Developed an interactive Lean 4 research platform for machine-checked inverse-problem proof routes, landmark-paper formalization dossiers, and explicit tracking of analytic inputs and open bridges.
- 2025–present **Domain-specialized language models for mathematical research**, Developed research LLMs including MathBio AI, OptimAI, and Tornado AI for mathematical biology, operations research/optimal control, and weather applications; training and deployment used resources of the University of Oklahoma Supercomputing Center for Education & Research and DISC.
- 2026–present **Agentic literature-research systems**, Developed Math Research, Google Scholar, and arXiv AI agents for evidence-grounded literature scouting, including reinforcement-learning-trained ranking for research-paper prioritization.
- 2026–present **Multi-agent scientific systems**, Developed specialist-agent workflows for statistics, numerical analysis, optimal control/operations research, and self-improvement, with shared Python/R/MATLAB artifacts, diagnostic critique, and human-gated memory.
- 2026–present **Alcademic Advisor**, Developed an OU Mathematics catalog-backed advising system for deterministic degree audits, prerequisite checks, and next-course planning, with cited explanations and human-advisor handoff; Hugging Face testing deployment.

Publications

*Undergraduate student; **graduate student; ***postdoctoral research mentee; †non-alphabetical authorship.

- 2026 ***AI-assisted tumor-growth law discovery from sparse data: refitting and LLM-based ranking**, with Yitian (Victor) Lu*, Submitted.
- 2026 ***Optimal control in SIR models with noncompliance as a social contagion**, with Chloe Ngo* and Christian Parkinson, *Mathematical Biosciences*, Accepted.
- 2026 **Formalization of the Galerkin Construction for the Two-Dimensional Navier–Stokes Equations in Lean**, arXiv:2609.33033, Submitted.
- 2026 **Low-regularity solutions for the 2D fractional Voigt–Boussinesq system**, *Applicable Analysis*, published online September 28, 2026. DOI: 10.1080/00036811.2026.2740198.
- 2026 **Deterministic and stochastic inverse problems for the fractional Schrödinger equation**, *Canadian Mathematical Bulletin*, First View, pp. 1–20; published online October 15, 2026. DOI: 10.4153/S0008439526102604.
- 2026 **Uniform bounds for a thermo-diffusive system beyond exponential growth**, Submitted.
- 2026 **The entropy production is not always monotone for the Kac equation**, Submitted.
- 2026 **A note on relativistic kinetic Schauder estimates**, Submitted.
- 2026 *****Exponential decay for the 3D Boussinesq equations with Navier boundary conditions**, with Wen Feng and Xiang Xu***, Submitted.
- 2026 **Several counterexamples to kinetic Schauder estimates**, with Hongjie Dong, Submitted.
- 2026 **†*Operator learning for the 2D incompressible Navier–Stokes equations: a conformal prediction approach in the data-scarce regime**, with Hao Deng* and Bowen Gang, Submitted.
- 2026 **An inverse problem for the magnetic fractional Schrödinger equation with nonlinear potential**, *Canadian Mathematical Bulletin*, First View, pp. 1–10; published online September 22, 2026. DOI: 10.4153/S0008439526102537.

- 2026 **2D incompressible inviscid Oldroyd-B equations: ill-posedness, Voigt regularization, and high Weissenberg limit number**, with Xin Liu, Submitted.
- 2026 **Neural-network learning and identifiability for mobility-based SEAIR epidemic models**, *Nonlinear Analysis: Real World Applications*, Accepted.
- 2026 **†** Adaptive Disinformation Diffusion on Networks with Heterogeneous Node and Link Dynamics**, with Alice Nanyanzi**, Sridhar Radhakrishnan, Kash Barker, and Venu Sirisana-gandla, *IEEE Transactions on Computational Social Systems*, 13 (2026), no. 5, 6096–6116.
- 2026 **Sobolev training for neural operator learning: optimal weighting and regularity dependence**, Submitted.
- 2026 **A Calderón type inverse problem for the active scalar equations with fractional dissipation**, with Li Li, *Inverse Problems & Imaging*, 22 (2026), no. 1, 53–64.
- 2026 **A remark on the linearized inverse problem for time-separable potentials in vortex dipole dynamics**, *Applied Mathematics Letters*, 179 (2026), Paper No. 109962, 7 pp.
- 2026 **A compartmental model for epidemiology with human behavior and stochastic effects**, with Christian Parkinson, *Mathematical Biosciences*, 392 (2026), Paper No. 109588.
- 2026 **The Calderón problem for fractional space-time parabolic operators with drift**, *Analysis and Mathematical Physics*, 16 (2026), Article No. 79.
- 2026 **Quantitative bounds for critically bounded solutions to the three-dimensional Navier–Stokes equations in Lorentz spaces**, with Wen Feng and Jiao He, *Discrete and Continuous Dynamical Systems Series B*, 37 (2026), 175–205.
- 2026 **Recovery of a general analytic Hamiltonian and running costs in mean field games**, *Communications in Mathematical Sciences*, 24 (2026), no. 7, 1999–2022.
- 2026 **Optimal control of a reaction-diffusion epidemic model with non-compliance**, with Marcelo Bongarti and Christian Parkinson, *European Journal of Applied Mathematics*, 37 (2026), no. 2, 313–338.
- 2026 **Thresholds and traps in AI reliance: an ODE and network model with relational capital**, Submitted.
- 2026 **Learning contact policies for SEIR epidemics on networks: A mean-field game approach**, *Mathematical Biosciences and Engineering*, 23 (2026), no. 7, 2083–2109.
- 2025 **Bayesian sequential inference for a stochastic SEIR model with latent transmission dynamics**, with Wen Feng, Submitted.
- 2025 **On a partial data inverse problem for the semi-linear wave equations**, with Boya Liu, Submitted.
- 2025 **An inverse problem for fractional drift-diffusion equations with potentials**, Submitted.
- 2025 **On the global stability for the 3D incompressible MHD equations with anisotropic dissipation**, with Wen Feng and Jiahong Wu, Submitted.
- 2025 **On the axi-symmetric solutions to the Landau–Fermi–Dirac equations**, Submitted.
- 2025 **Global well-posedness and enhanced dissipation for the 2D stochastic Nernst–Planck–Navier–Stokes equations with transport noise**, with Qu Yuan Lin and Rongchang Liu, *Stochastic Processes and their Applications*, 184 (2025), Paper No. 104603.
- 2025 **Asymptotic stability for the 3D Navier–Stokes equations in L^3 and nearby spaces**, with Zachary Bradshaw, *Proceedings of the American Mathematical Society*, 153 (2025), no. 9, 3867–3881.
- 2024 ****A kinetic Nash inequality and precise boundary behavior of the kinetic Fokker–Planck equation**, with Christopher Henderson and Giacomo Lucertini**, Submitted.
- 2024 ****On the space-time analyticity of the inhomogeneous heat equation on the half space with Neumann boundary conditions**, with Elie Abdo**, *Applicable Analysis*, 103 (2024), no. 16, 3017–3028.

- 2024 **Global existence for the stochastic Boussinesq equations with transport noise and small rough data**, with Qu Yuan Lin and Rongchang Liu, *SIAM Journal on Mathematical Analysis*, 56 (2024), no. 1, 501–528.
- 2024 **Kinetic Schauder estimates with time-irregular coefficients and uniqueness for the Landau equation**, with Christopher Henderson, *Discrete and Continuous Dynamical Systems*, 44 (2024), no. 4, 1026–1072.
- 2024 **Stability for a system of the 2D incompressible MHD equations with fractional dissipation**, with Wen Feng and Jiahong Wu, *Journal of Mathematical Fluid Mechanics*, 26 (2024), no. 4, Paper No. 57.
- 2023 **Quantitative unique continuation for Robin boundary value problems on $C^{1,1}$ domains**, with Zongyuan Li, *Indiana University Mathematics Journal*, 72 (2023), no. 4, 1429–1460.
- 2023 **Analysis of a reaction-diffusion SIR epidemic model with noncompliant behavior**, with Christian Parkinson, *SIAM Journal on Applied Mathematics*, 83 (2023), no. 5, 1969–2002.
- 2023 ****On the global well-posedness and analyticity of some electrodiffusion models in ideal fluids and porous media**, with Elie Abdo** and Fizay-Noah Lee**, *SIAM Journal on Mathematical Analysis*, 55 (2023), no. 6, 6838–6866.
- 2023 **Nonlinear stability for the 2D incompressible MHD system with fractional dissipation in the horizontal direction**, with Wen Feng and Jiahong Wu, *Journal of Evolution Equations*, 23 (2023), no. 2, Paper No. 32.
- 2022 **Local well-posedness for the Boltzmann equation with very soft potential and polynomially decaying initial data**, with Christopher Henderson, *SIAM Journal on Mathematical Analysis*, 54 (2022), no. 3, 2845–2875.
- 2022 **On the analyticity and Gevrey regularity of solutions to the three-dimensional inviscid Boussinesq equations in a half space**, *Communications in Mathematical Sciences*, 20 (2022), no. 2, 479–493.
- 2022 **Global existence and stability for the 2D Oldroyd-B model with mixed partial dissipation**, with Wen Feng and Jiahong Wu, *Proceedings of the American Mathematical Society*, 150 (2022), no. 12, 5321–5334.
- 2021 **On the global stability of large solutions for the Boussinesq equations with Navier boundary conditions**, *Archiv der Mathematik*, 116 (2021), no. 4, 445–456.
- 2021 **Norm inflation for the Boussinesq system**, with Zongyuan Li, *Discrete and Continuous Dynamical Systems Series B*, 26 (2021), no. 10, 5449–5463.
- 2020 **Almost sure existence of global weak solutions to the Boussinesq equations**, with Haitian Yue, *Dynamics of PDEs*, 17 (2020), no. 2, 165–183.
- 2020 **Global Sobolev persistence for the fractional Boussinesq equations with zero diffusivity**, with Igor Kukavica, *Pure and Applied Functional Analysis*, 5 (2020), no. 1, 27–45.
- 2020 **Long time behavior of solutions to the 2D Boussinesq equations with zero diffusivity**, with Igor Kukavica, *Journal of Dynamics and Differential Equations*, 32 (2020), no. 4, 2061–2077.
- 2019 **On the global regularity for a 3D Boussinesq model without thermal diffusion**, *Zeitschrift für Angewandte Mathematik und Physik*, 70 (2019), no. 6, Paper No. 174.

Invited Talks

- 11/2026 **AMS Sectional Meeting**, *Advances in Theory, Applications and Numerics for PDE and Optimal Control*, Arizona State University.
- 11/2026 **AMS Sectional Meeting**, *Nonlinear Partial Differential Equations of Fluid Dynamics*, Arizona State University.
- 10/2026 **SIAM Central States Section Annual Meeting**, *Recent Developments and Emerging Directions in Mathematical Biology*, Jackson State University.

04/2026 **Analysis and PDE Seminar**, Michigan State University.
 10/2025 **AMS Sectional Meeting**, Tulane University.
 09/2025 **Mathematical Biology Seminar**, Texas A&M University.
 09/2025 **Applied Math Seminar**, Texas A&M University.
 05/2025 **EPSCoR States Workshop in Fluid Mechanics**, University of Nebraska, Lincoln.
 04/2025 **Math Club**, University of Oklahoma.
 03/2025 **AMS Spring Central Sectional Meeting**, University of Kansas.
 03/2025 **AMS Spring Southeastern Sectional Meeting**, Clemson University.
 05/2024 **Colloquium**, Western Washington University.
 05/2024 **Analysis Seminar**, Oregon State University.
 05/2024 **Colloquium**, Oregon State University.
 05/2024 **Notre Dame PDE Workshop**, University of Notre Dame.
 04/2024 **Applied and Computational Math Seminar**, University of South Carolina.
 03/2024 **KUMUNU-ISU PDE, Dynamical Systems and Applications**, University of Kansas.
 03/2024 **Rainwater Seminar**, University of Washington, Seattle.
 02/2024 **Applied Mathematics Seminar**, University of Arkansas.
 11/2023 **Applied Mathematics Seminar**, Lehigh University.
 10/2023 **Differential Equations and Nonlinear Analysis Seminar**, North Carolina State University.
 10/2023 **Computational and Applied Math Seminar**, Oklahoma State University.
 10/2023 **AMS Special Session on PDEs**, University of South Alabama.
 09/2023 **The 8th Annual Meeting of SIAM Central States Section**, University of Nebraska–Lincoln.
 09/2023 **Analysis Seminar**, University of Oklahoma.
 09/2023 **AMS Special Session on Nonlinear PDEs in Fluids and Waves**, SUNY Buffalo.
 05/2023 **AIMS Conference on Differential Equations**, University of North Carolina Wilmington.
 03/2023 **AMS Special Session on Nonlinear PDEs**, Georgia Institute of Technology.
 03/2023 **Applied Math Seminar**, SUNY Buffalo.
 02/2023 **Postdoc Seminar**, University of Arizona.
 01/2023 **Applied/PDE/Data Science Seminar**, UC Santa Barbara.
 01/2023 **JMM Special Session on Partial Differential Equations and Complex Variables**, Boston, MA.

 10/2022 **Analysis, Dynamics, and Applications Seminar**, University of Arizona.
 04/2022 **Postdoc Seminar**, University of Arizona.
 04/2022 **Harmonic Analysis and PDE Seminar**, CUNY Graduate Center.
 04/2022 **Colloquium**, Virginia State University.
 03/2022 **Analysis, Dynamics, and Applications Seminar**, University of Arizona.
 10/2021 **ICERM Wave Phenomena Workshop Lightning Talk**, ICERM.
 04/2021 **MSRI Euler & Navier–Stokes Seminar**, MSRI.
 01/2021 **MSRI Fluid Dynamics Lightning Talk**, MSRI.
 11/2020 **Colloquium**, Georgia Southern University.
 10/2020 **Applied Math Seminar**, Oklahoma State University.
 09/2020 **Arizona Postdoctoral Research Conference**, University of Arizona.
 09/2020 **Analysis, Dynamics, and Applications Seminar**, University of Arizona.
 01/2020 **Graduate Analysis Seminar**, University of Southern California.
 10/2019 **Conference on Formation of Small Scales in Nonlinear PDEs**, University of Maryland.
 06/2019 **Summer School on Mathematical Fluid Dynamics**, University of Southern California.

Mentoring

Current Mentees

- 2026–present **Emelia Boye, Ph.D. student**, University of Oklahoma, Inverse problems, Lean formalization, and AI-for-Math.
- 2026–present **Carsen Brown, Ph.D. student**, University of Oklahoma, AI-for-Math and operator learning.
- 2026–present **Petr Groshenko, undergraduate**, University of Oklahoma, AI-for-Math and machine learning; Honors Research Assistant Program.
- 2026–present **Yitian (Victor) Lu*, undergraduate**, University of Oklahoma, AI-assisted scientific computing, symbolic regression, LLM ranking, and mathematical biology; Independent Study (Math 3440); coauthor of a submitted paper on tumor-growth law discovery.
- 2026–present **Logan Hayes, undergraduate**, University of Oklahoma, AI-for-Math and large language models (LLMs).
- 2025–present **Xiang Xu***, postdoctoral fellow**, University of Oklahoma, Applied PDEs and analysis of fluid and kinetic equations; coauthor of a submitted paper on exponential decay for the 3D Boussinesq equations.

Former Mentees

- Spring 2026 **Lorelei Starling, undergraduate**, Co-mentored with Christian Parkinson, Michigan State University, Data-driven mathematical biology; Honors Research Assistant Program.
- 2025–2026 **Hao Deng*, undergraduate**, Co-advised with Bowen Gang, University of Alberta, Operator learning and data analysis for parametric PDEs; coauthor of a submitted paper on conformal prediction for Navier–Stokes operator learning.
- 2025– 2026 **Anubhab Ganguly, undergraduate**, University of Oklahoma, Summer research, Independent Study (Math 3440), and Honors Research (Math 3980).
- 2024– 2025 **Chloe Ngo*, undergraduate**, Co-mentored with Christian Parkinson, Michigan State University, Coauthor of a paper on optimal control with noncompliance, accepted by *Mathematical Biosciences*; next position: graduate study in Economics at Duke University.
- Summer 2025 **Laila Ruslan, undergraduate**, University of Oklahoma, Summer Research Assistant.
- Spring 2025 **Ava Cimini, undergraduate**, University of Oklahoma, Honors Research Assistant Program.
- Spring 2022 **Nathan Gomez, undergraduate**, University of Arizona, Undergraduate Teaching Assistant Program.
- Spring 2022 **Lenox Baloglou, undergraduate**, University of Arizona, Undergraduate Teaching Assistant Program.
- Fall 2021 **Jack Hall, undergraduate**, University of Arizona, Undergraduate Teaching Assistant Program.

Professional Service

Editorial Board

- 2026–present **Editorial Board Member**, *Scientific Reports*.
- 2026–present **Editorial Board Member**, *Discover Applied Mathematics*.

Conference and Seminar Organization

- 2027 **Organizer, Special Session on Recent Trends in Differential Equations and Optimal Control with Biological Applications**, Joint Mathematics Meetings, Chicago, IL, January 12–15.
- 2026–present **Organizer, OSU-OU Joint PDE Seminar**, University of Oklahoma and Oklahoma State University.
- 2026 **Organizer, Special Session on Recent Developments in PDEs and Inverse Problems**, Joint Mathematics Meetings, Washington, DC.

- 2025 **Organizer, Special Session on Recent Developments in PDEs and Related Areas**, Joint Mathematics Meetings, Seattle, WA.
- 2024 **Organizer, Special Session on Dynamics and Regularity of PDEs**, Joint Mathematics Meetings, San Francisco, CA.
- 2023–present **Organizer, Analysis Seminar**, University of Oklahoma.
- 2022–2023 **Organizer, Analysis, Dynamics, and Applications Seminar**, University of Arizona.
- 2022–2024 **Organizer, Early Career Math Colloquium**, Online.
- 2022 **Organizer, AMS Special Session on Topics in PDEs and Harmonic Analysis**, UMass Amherst.
- 2021 **Organizer, AMS Special Session on Regularity Theory for Linear and Nonlinear PDEs**, AMS Western Sectional Meeting.

Reviewing

- Reviews Reviewer for Mathematical Reviews/MathSciNet and zbMATH.
- Journals Advanced Nonlinear Studies; Annals of Applied Statistics; Communications in Statistics – Theory and Methods; Communications on Pure and Applied Analysis; Discrete and Continuous Dynamical Systems Series B; Journal of Differential Equations; Journal of Functional Analysis; Journal of Mathematical Analysis and Applications; Journal of Mathematical Fluid Mechanics; Journal of Mathematical Physics; Journal of Nonlinear Science; Mathematical Biosciences; Mathematical Biosciences and Engineering; Networks and Heterogeneous Media; Nonlinearity; Physics of Fluids; Potential Analysis; Risk Analysis; SIAM Journal on Mathematical Analysis; Zeitschrift für Angewandte Mathematik und Physik.

Departmental and University Service

- 2026–2027 **Committee service**, University of Oklahoma, Newsletter Committee (chair); RFRA/Strategic Planning Committee; Interdisciplinary Committee.
- 2025–2026 **Committee service**, University of Oklahoma, Undergraduate Awards Committee; First Year Math Committee; OU Math Day Committee; Undergraduate Committee; Newsletter Committee.
- 2024–2025 **Committee service**, University of Oklahoma, OU Math Day Committee; Undergraduate Committee; Syllabi Preparation Committee; Newsletter Committee.
- 2023–2024 **Committee service**, University of Oklahoma, Undergraduate Committee; Syllabi Preparation Committee; Newsletter Committee.
- 2022–2023 **Committee service**, University of Arizona, Undergraduate Committee; Undergraduate Awards and Scholarship Sub-Committee; Teaching Representative of the Postdoc Committee.
- 2021–2022 **Committee service**, University of Arizona, Undergraduate Committee; Undergraduate Awards and Scholarship Sub-Committee; Teaching Representative of the Postdoc Committee.

Outreach

- 2023–present **Math Alliance mentor**, Mentoring doctoral and pre-doctoral students.
- 2025 **Co-organizer, OU Math Day**, University of Oklahoma, Event for more than 300 high-school students.
- 2025 **Research presentation on applications of differential equations**, OU Math Club.
- 2024 **Co-organizer, OU Math Day**, University of Oklahoma, Event for more than 400 high-school students.
- 2023 **Mentor, Non-pharmaceutical Interventions for Disease Spread Mitigation**, University of Arizona, Mentored five students in Math 485.

Course Notes

AI-for-Math; Large Language Models; Lean; Numerical Analysis; Physical Math; Introduction to Partial Differential Equations.

Lean proof game Elements of Proof: a Lean 4 proof game from logic to algebra, developed with AI assistance from Claude Fable 5.1.

Teaching at the University of Oklahoma

Math 5103	Mathematical Models , Spring 2027.
Math 4073	Numerical Analysis , Spring 2027.
Math 5900	Graduate Mathematics Reading , Fall 2026.
Math 1914	Differential and Integral Calculus I , Fall 2026.
Math 4163	Introduction to Partial Differential Equations , Spring 2026.
Math 3990	Independent Study , Spring 2026.
Math 3440	Mentored Research Experience , Spring 2026.
Math 3423	Physical Mathematics II , Fall 2025.
Math 3980	Honors Research , Fall 2025.
Math 3440	Mentored Research Experience , Summer 2025.
Math 2924	Differential and Integral Calculus II , Spring 2025.
Math 3980	Honors Research , Spring 2025.
Math 4433	Introduction to Analysis I , Fall 2024.
Math 2934	Differential and Integral Calculus III (Honors) , Fall 2024.
Math 4073	Numerical Analysis I , Spring 2024.
Math 2934	Differential and Integral Calculus III , Spring 2024.
Math 2443	Calculus and Analytic Geometry IV , Fall 2023.

Teaching at the University of Arizona

Math 129	Calculus II , Spring 2023.
Math 129	Calculus II , Fall 2022.
Math 254	Introduction to Ordinary Differential Equations , Spring 2022.
Math 129	Calculus II , Spring 2022.
Math 322	Mathematical Analysis for Engineers , Fall 2021.
Math 122b	First Semester Calculus , Fall 2020.

Teaching at the University of Southern California

Math 425a	Fundamental Concepts of Analysis , Spring 2020.
Math 226	Calculus III , Spring 2019.
Math 226	Calculus III , Fall 2018.
Math 245	Linear Algebra and Differential Equations , Spring 2018.
Math 117	Introduction to Mathematics for Business and Economics , Fall 2017.
Math 555b	Partial Differential Equations , Spring 2017.
Math 208	Elementary Probability and Statistics , Spring 2017.
Math 117	Introduction to Mathematics for Business and Economics , Fall 2016.
Math 225	Mathematics of Physics and Engineering , Summer 2016.
Math 208	Elementary Probability and Statistics , Spring 2016.
Math 117	Introduction to Mathematics for Business and Economics , Fall 2015.

Memberships

2025–present	American Association for the Advancement of Science (AAAS).
2024–present	American Mathematical Society (AMS).