

Ling Jin

Curriculum Vitae

Contact Information	Department of Mathematics University of Oklahoma 601 Elm Avenue	Email: jin@ou.edu Phone: (405)351-3287 Website: https://math.ou.edu/~ljin
Education	Ph.D. Candidate in Mathematics University of Oklahoma, Norman, OK	2018 - Present
	M.A. in Mathematics University of Oklahoma, Norman, OK	Spring 2018
	B.S. in Mathematics Southwestern University of Finance and Economics, China	Spring 2015
	B.Ec. in Finance Southwestern University of Finance and Economics, China	Spring 2015
Research Interests	Applied Mathematics Numerical Analysis Mathematical Modeling	
Publications	Global well-posedness, pattern formation and spiky stationary solutions in a Beddington–DeAngelis competition systems (with Q. Wang and Z. Zhang), <i>Discrete & Continuous Dynamical Systems - A (DCDS-A)</i> , April 2020, Vol. 40, No. 4.	
	Pattern formation for Keller-Segel chemotaxis models with logistic growth (with Q. Wang and Z. Zhang), <i>International Journal of Bifurcation and Chaos</i> , February 2016, Vol. 26, No. 02	
Preprints	Residual Control: Feasibility for Modeling Piecewise Restoring Forces (with J. Pei, J. Wright and Y. Wang), <i>Preprint</i>	
Teaching Experience	Graduate Assistant (University of Oklahoma) Prepared and presented lectures, wrote and graded exams and quizzes, designed structure of grading system, assigned and graded homework problems.	Fall 2015 - present
	Math Center Tutor Tutor various courses in the math center at OU including College Algebra, Precalculus/Trigonometry, Single and Multivariable Calculus, Business Calculus, Business Precalculus, and Linear Algebra.	Fall 2015 - Present
	Teach College Mathematics Course Department of Mathematics. University of Oklahoma, Norman, OK.	Fall 2016

Instructor of Record:

College Algebra	Spring 2021
Business Calculus I	Fall 2020
Calculus I	Spring 2020
Business Precalculus	Summer 2019

Discussion Leader:

Accelerated Calculus II (Honors)	Fall 2019
Calculus I	Spring 2019
Accelerated Calculus II	Spring 2017
Accelerated Calculus I (Honors)	Fall 2016
Calculus I	Fall 2016

Grader:

Numerical Analysis (OU Presidential Dream Course)	Fall 2018
Applied Statistical Methods	Summer 2018
Intro to Partial Differential Equations	Spring 2018
Intro to Real Analysis	Spring 2018
Intro to Complex Analysis	Spring 2018
Numerical Analysis	Fall 2017
Physical Math	Summer 2017
Intro to Partial Differential Equations	Spring 2016
Numerical Analysis	Fall 2015

Awards and Honors

Mathematics Graduate Fellowship	2015 - 2021
Special fellowship awarded for Ph.D. students, Math. Department, OU	
Harold Huneke Teaching Award	Spring 2018
Awarded for outstanding teaching performance, Math. Department, OU	
Richard V. Andree Memorial Scholarship	Spring 2018
Awarded for department and university service, Math. Department, OU	
Professional Ethics Training Certificate	Spring 2016
Awarded for completion of a two day course in Responsible Conduct of Research, OU	
Intelligent Student Award	Summer 2012
Awarded for academic performance, SWUFE, China	
Outstanding Achievement Award	Spring 2012
Awarded for academic performance, SWUFE, China	
Outstanding Achievement Award	Spring 2011
Awarded for academic excellence, SWUFE, China	
Merit Student Award	Spring 2011
Awarded first-year students for academic excellence and department and university citizenship, SWUFE, China	

Academic Service

Volunteer for Grad Student Panel for Prospective Graduate Students	2016 - 2020
Volunteer to talk to prospective graduate students about life as a grad student at OU	

Volunteer for the 2019 Women in Science conference 2019
Designed math games for middle school to high school aged girls. Explained math theorems (for example, Pythagorean theorem) in a "touchable" way. Math can be fun!

Volunteer for the University of Oklahoma Math Day 2019
Helped supervise various activities for OU Math Day. Proctored event exams, and tended registration desk.

Volunteer for the 4th Annual Meeting of SIAM Central State Section
2018
Designed the souvenir shirt, name badge, and dinner tickets. Tended registration desk.

Computer Skills

MATLAB, Mathematica, Maple, C++, Python, R, SPSS, SQL, Machine Learning, \LaTeX , Microsoft Office, HTML/CSS, Mac OS/Windows/Linux