Taiji Chen
Curriculum Vitae

University of California, Irvine
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EDUCATION

Department of Mathematics, University of California, Irvine   Fall 2012-Current
Ph.D. Mathematics, Expected June 2018
Thesis advisor: Vladimir Baranovsky

Department of Mathematics, Capital Normal University, China   Fall 2008-Spring 2012
B.S. in Mathematics

AWARDS AND FELLOWSHIPS

Pedagogical Fellowship [$2,000]   Fall 2017
- *Granted by Division of Teaching Excellence and Innovation, UC Irvine*
- *Awarded for being a Pedagogical Fellow in the year 2017;*
  serving the University by implimenting TA Professional Development Program.

Mathematics Department Fellowship [$6,000]   Fall 2017
- *Granted by Department of Mathematics, UC Irvine*

Outstanding Mathematics Teaching Assistant Award   Spring 2017
- *Presented by Department of Mathematics, UC Irvine*

Mathematics Department Fellowship [$6,000]   Winter 2016
- *Granted by Department of Mathematics, UC Irvine*

National Scholarship, Capital Normal University [¥8,000]   2011
- *Granted by Capital Normal University, China*

CERTIFICATION

Certificate in Teaching Excellence   Fall 2017
- *Offered by Division of Teaching Excellence and Innovation, UC Irvine*
- *This certifies the instructor being able to:*
  design lessons using evidence-based pedagogical principles;
  analyze and assess teaching practices and effectively facilitate learning.

Certificate of CIRTL Associate Level   Spring 2017
- *Offered by Center for the Integration of Research, Teaching and Learning*
- *This certifies that the participant has deliberately pursued competencies in*
  evidence-based teaching, including learning through diversity.

Certificate in Course Design   Fall 2016
- *Offered by Division of Teaching Excellence and Innovation, UC Irvine*
- *This certifies the instructor being able to:*
  design courses with assessment, learning outcomes, and pedagogical strategies.

Teaching Experience

Department of Mathematics, UC Irvine   Summer 2013-Current

Instructor

Responsibilities:
- *Design course plans by student learning outcomes corresponding to the syllabus.*
- *Actively instruct students and manage course activities.*
- *Make standardized examinations, and hold office hours.*

Course Taught:

Introduction to Linear Algebra (Math 3A)	Fall 2015

Teaching Assistant

Responsibilities:
- *Assist the supervising faculty member by conducting discussions.*
- *Grade assignments and examinations, and proctor examinations.*
- *Provide input into the development of assignments or exams, and hold office hours.*

Courses Taught:

Upper Division Math Courses

Introduction to Graduate Algebra (Math 206, Jumpstart Program)	Summer 2017
Introduction to Graduate Algebra (Math 206C)	Spring 2017
Introduction to Graduate Algebra (Math 206B)	Winter 2017
Introduction to Graduate Algebra (Math 206A)	Fall 2016
Introduction to Graduate Algebra (Math 206, Jumpstart Program)	Summer 2016
Introduction to Graduate Algebra (Math 206C)	Spring 2016

Lower Division Math Courses

Introduction to Abstract Mathematics (Math 13)	Summer 2017
Introduction to Abstract Mathematics (Math 13)	Summer 2016
Multivariable Calculus II (Math 2E)	Summer 2015
Introduction to Linear Algebra (Math 3A)	Spring 2015
Single Variable Calculus I (Math 2A)	Spring 2015
Introduction to Linear Algebra (Math 3A)	Winter 2015
Introduction to Linear Algebra (Math 3A)	Fall 2014
Multivariable Calculus I (Math 2D)	Summer 2014
Multivariable Calculus II (Math 2E)	Spring 2014
Multivariable Calculus II (Math 2E)	Winter 2014
Single Variable Calculus II (Math 2B)	Fall 2013
Single Variable Calculus I (Math 2A)	Summer 2013
Single Variable Calculus II (Math 2B)	Summer 2013

Reader

Responsibilities:
- *Grade assignments and examinations.*

Linear Algebra (Math 121B)	Spring 2013
Introduction to Abstract Algebra (Math 120B)	Spring 2013
Introduction to Abstract Algebra (Math 120A)	Winter 2013
Introduction to Abstract Algebra (Math 120A)	Fall 2012

Professional Development

Division of Teaching Excellence and Innovation, UC Irvine	2016-Current

Advanced Pedagogy, University Studies 390A   Winter 2017
- Introduced to principles of course design and instructional development.
- Covered topics on active learning, inclusive learning and educational research.

Advanced Pedagogy, University Studies 390B   Spring 2017
- Application of US 390A material in the design and implementation of the Teaching Assistant Professional Development Program (TAPDP).
- Design a workshop meant to model best teaching practices as well as introduce new TAs to their roles and responsibilities.

Advanced Pedagogy, University Studies 390C   Fall 2017
- Recruit and interviewed potential pedagogical fellows.
- Designed a course to assist pedagogical fellows develop long-term teaching plans.

Center for Integration of Research, Teaching and Learning (CIRTL)   Winter 2017
- Designed a potential research project around teaching with definable outcomes.
- Taught graduate students and faculty to effectively implement research based practices in different learning environments.

Course Design Certificate Program   Fall 2016
- Covered the foundations of successful course design.
- Practiced "backwards, integrated course design" by establishing goals for student learning and aligning assignments and assessments with these goals.

Service

TA Professional Development Program (TAPDP)   September 26-27, 2017
- Train new teaching assistants to lead lecture, discussion and lab effectively.
- Practice roles as TAs, including the responsibility they have for quality education.
- Integrate consideration of student diversity, and learning styles into course design.
- Demonstrate TA's ability to apply departmental grading criteria in actual student work.
- Demonstrate TA's ability to effectively conduct office hours and address various issues
- Demonstrate basics online tools for accessing rosters, course websites, gradebook, etc.

Research Experience

University of California, Irvine, *Graduate Research*   2017-Current
Advisor: Professor Vladimir Baranovsky
Research Project Title: *Quantization of line bundles on Coisotropic subvarieties*

University of California, Irvine, *Graduate Research*   2014-2016
Advisor: Professor Vladimir Baranovsky
Research Project Title: *Quantization of vector bundles on Lagrangian subvarieties*

Capital Normal University, China, *Undergraduate Research*   2011-2012
Advisor: Professor Kezheng Li
Research Project Title: *Diophantine equation in matrix theory*

Seminar Talks and Presentations

Ph.D. Advancement to Candicacy, UC Irvine   June 2, 2015
Deformation Quantization of Vector Bundles on Lagrangian Subvarieties

Math Graduate Student Colloquium, UC Irvine   May 27, 2015
Deformation Quantization of Vector Bundles on Lagrangian Subvarieties

Algebraic Number Theory Colloquium, Capital Normal University, China   Sep 17, 2010
A Brief Introduction to Quadratic Reciprocity Law

Publication

Vladimir Baranovsky, Taiji Chen: ***Quantization of Vector Bundles on Lagrangian Subvarieties***, *International Mathematics Research Notices*, rnx230 (2017)

References

Vladimir Baranovsky
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