

Jennifer Boney

Email: jennifer.boney@asu.edu

EDUCATION

- **Master of Arts, Mathematics** 2007
Arizona State University, Tempe AZ
Course Highlights: Enumerative Combinatorics I and II
GPA: 4.0
- **Post-Baccalaureate Secondary Teaching Certification** 1998
Eastern Michigan University, Ypsilanti MI
Areas of Certification: Mathematics & Spanish Language
- **Bachelor of Arts, Mathematics** 1996
University of Michigan, Ann Arbor MI
Course Highlights: Abstract Algebra, Advanced Calculus
GPA: 3.52

TEACHING EXPERIENCE

- **Arizona State University**
Mathematics Senior Lecturer, 2019-present
Mathematics Lecturer, 2011-2019
Mathematics Instructor, 2007-2011

Courses Taught

MAT 106-Intermediate Algebra – Summer Bridge Program course
MAT 110-Enhanced Freshman Mathematics – online
MAT 117-College Algebra – traditional, hybrid, online
MAT 119-Finite Mathematics - traditional
MAT 142-College Mathematics – traditional, online
MAT 170-Pre-Calculus – traditional, hybrid pilot, Pathways pilot
MAT 210-Brief Calculus – traditional, traditional pilot, online
MAT 211-Math for Business Analysis – online
MAT 251-Calculus for Life Sciences – traditional, online
MAT 270-Calculus with Analytic Geometry I – traditional, DIRACC pilot
MAT 271-Calculus with Analytic Geometry II – traditional
MTE 180-Theory of Mathematics for Elementary Teachers
MTE 483-Mathematics in the Secondary School

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Service Activities

- Course coordinator for MAT 270 DIRACC (F17-present), MAT 117 (F16-Sp17), MAT 210 (F13-F15), MAT 251(F12-Sp13), MAT 271 (F11-Sp12)
 - Led weekly course coordination meetings for MAT 270 DIRACC (F17-present)
 - Presenter/Trainer at fall DIRACC multi-day fall workshop seminar for all lecturers and graduate TAs (F17, F18, F19)
 - Piloted Pearson materials with Study Plan for traditional in-person MAT 210 (F17)
 - Designed written homework and worked out solutions for Online MAT 251 (Su15)
 - Led FYM seminar to discuss usage of Learning Catalytics software (Sp15)
 - Led weekly review sessions for entire campus enrollment of MAT 210 (F13-F15)
 - Designed and maintained Blackboard site for entire campus enrollment of MAT 210, posting all information from weekly review sessions (F13-F15)
 - Served as Faculty Mentor for new Faculty Associates and Instructors (F13-Sp15)
 - Piloted TopHat and Learning Catalytics student-response systems (F13-F14)
 - Presented 2 FYM seminars on new evaluation rubric for FYM (Sp13)
 - Member of FYM Personnel Committee (FYM = First Year Mathematics; includes all instructors, lecturers, senior lecturers, principal lecturers) (F12-Sp14)
 - Created 39 full lecture videos for Online MAT 117 courses (F12-Su13)
 - Developed 4-point scale and new rubric for FYM annual evaluations (F12)
 - Trained and observed incoming graduate teaching assistants (F10)
 - Consulted on curriculum and instructor materials for MAT 170 Pathways (F09-F11)
 - Presented training sessions to departmental tutors (F09-F10)
 - Piloted new text & homework system for MAT 210: *Finite Mathematics & Applied Calculus, 4th Ed.*, Waner & Costenoble with Enhanced WebAssign (Su09)
 - Led FYM seminar to discuss MAT 170 Hybrid project (Sp08)
 - Supervised 41 individually-designed Honors Projects for Barrett Honors College on topics relating the mathematics learned in class to physics, dance, pharmaceutical research, photography, weight training, genetic engineering, biochemistry, stock options pricing, and others (Sp08-present)
- **Scottsdale Community College**
Adjunct Mathematics Professor, 2011-2019

Courses Taught

MAT 091-Elementary Algebra
MAT 102-Basic College Mathematics
MAT 121-Intermediate Algebra
MAT 142-College Mathematics
MAT 151-College Algebra
MAT 187-PreCalculus
MAT 212-Brief Calculus

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- **Fountain Hills High School**

Fountain Hills, AZ

Department Head, 2002-2007

Mathematics Teacher, 2000-2007

Taught courses from Pre-Algebra through AP Calculus BC, oversaw mapping of department curriculum to Arizona Mathematics Standards, assisted other math teachers with curriculum and lesson planning, mentored new teachers, coached Academic Decathlon

- **River Valley High School**

Mohave Valley, AZ

Mathematics Teacher, 1998-2000

Taught courses in Everyday Mathematics, Algebra and Geometry, led committee for North Central Accreditation, Coached Academic Decathlon

OTHER EMPLOYMENT

- **Arizona State University**

Research Assistant, 2006

Collaborated with a group of social science and mathematics professors and graduate students researching the relation between pre-school children's social behavior and school readiness, Learned and used SAS to analyze data, Formulated hypotheses and models based on findings. Contributed to a publication on the topic. Continued work with the research group through 2007 as a volunteer.

PUBLICATIONS

- "Using the Q-Connectivity Method to Study Frequency of Interaction with Multiple Peer Triads: Do Preschoolers' Peer Group Interactions at School Relate to Academic Skills?", (with Laura D. Hanish, Hélène Barcelo, Carol Lynn Martin, Richard A. Fabes and Francisco Palermo) *Social Network Analysis and Children's Peer Relationships: New Directions for Child and Adolescent Development*, Number 118 (2007): 9-24.