

Jessica StClair, Ph.D

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Education:

- **Ph.D, Mathematics:** Virginia Tech, 2011
Dissertation: *Geometry of Spaces of Planar Quadrilaterals*
- **M.S., Mathematics:** Virginia Tech, 2007
- **B.A., Mathematics:** McDaniel College, 2005

Experience:

Mathematics Instructor, Virginia Tech: August 2018-present

- Courses Taught:
 - Intro Differential Equations (seven semesters)
 - Intro Linear Algebra (two semesters)
- Math Transfer Credit Evaluator, August 2020-present:
 - Evaluated math syllabi from other institutions to determine how credit transfers to Virginia Tech
 - * Fall 2020: 140 unique evaluations
 - * Spring 2021: 117 unique evaluations
 - * Summer 2021: 186 unique evaluations
 - * Fall 2021: 117 unique evaluations
- Teaching Certification Mentor:
 - Guided new Graduate Teaching Assistants (GTAs) through their teaching certification process (two semesters)
 - Reviewed lesson plans; observed new GTAs teach; gave feedback for improvement
- New Faculty Mentor:
 - Mentored new instructional faculty through their first semester teaching at VT (one semester)

- Met once/month; reviewed grading; gave suggestions for time management and grading strategies
- Observed new faculty teach; assisted with student honor code violations
- Instructor Executive Committee:
 - Served as elected member of IEC (two semesters)
 - Assisted instructors with promotion dossiers
 - Reviewed all instructors' Faculty Activity Reports (approximately 50 instructors); gave suggestions for improvements

Academic Advisor, Virginia Tech: August 2019-present

- Advisor for 20-30 (varies by semester) freshman & sophomore Math majors
- Assisted students with course selection and major option choices
- Counseled students on decisions to drop or withdraw from courses
- Referred students to additional campus resources

Course Coordinator, Virginia Tech: August 2019-June 2020

- Co-coordinator for Math 1225 Calculus I (54 sections in Fall 2019; 13 sections in Spring 2020; 1 section in Summer I 2020)
- Mentored new instructors: assisted with learning Canvas and WebAssign, grading strategies, lesson planning, helped run weekly meetings, ensured accuracy of final grades
- Ran test teams: led teams of 6-7 new instructors on writing tests, taught test-writing strategies
- Proofed and captioned video lectures: watched video lectures created mid-Spring 2020, found and corrected errors, edited captions

Orientation Advisor, Virginia Tech: Summer 2019

- Ran orientation sessions for incoming Math majors
- Assisted incoming Math majors with course selection

Career Break for Maternity Leave: June 2011-August 2018

- An extended period of maternity leave to raise three daughters until the youngest was past infancy

Senior Graduate Teaching Assistant: June 2010-May 2011

- Supported other GTAs by developing seminars to address a variety of problems or topics new teachers might find useful
- Mentored one GTA through their teaching certification

Graduate Teaching Assistant: August 2005-May 2011

- Instructor of record for Calculus I (three semesters), Vector Geometry (one semester), and Elementary Calculus with Trig II (five semesters)
- Worked with test teams to develop common-time exams
- Tutored students in all courses supported at the Math Emporium