Contact	101 Weber Building	Phone: (720).373.2466	
INFORMATION	Colorado State University	${\it Email: $$ smallwoo@math.colostate.edu}$	
	Fort Collins, CO 80523-1874	Website: www.math.colostate.edu/ \sim smallwoo	
Education	Colorado State University, Fort Collins, Colorado USA		
	Ph.D., Mathematics (expected graduation date: Summer 2014)		
	 Areas of Study: Number Theory, Arithmetic Algebraic Geometry Thesis Topic: Abelian Surfaces over Finite Fields with Real Multiplication Advisor: Professor Jeffrey Achter 		
	M.S., Mathematics, December 2011		
	 Title: Endomorphisms of Abelian Varieties over Finite Fields and Characteristic Polynomials of Frobenius Advisor: Professor Jeffrey Achter 		
	Fort Lewis College, Durango, Colorado USA		
	B.A., Mathematics, May 2009		
	Summa Cum LaudeJohn F. Reed Honors Program		
TEACHING	Graduate Teaching Assistant, CSU	August 2009 to present	
EXPERIENCE	• Primary Instructor (coordinated courses)		
	 Prepared and presented lectures, led exam review sessions, and graded for all courses. Some courses also included assigning homework, writing quizzes, or writing and editing common exams. Courses Taught: Calculus for Biological Scientists I: Fall 2009, Spring 2010 		
	 Calculus for Physical Scientists I: Fall 2010, Fall 2011, Fall 2012 Calculus for Physical Scientists II: Spring 2011, Spring 2012 (Labs), Fall 2013 Calculus in Management Sciences: Spring 2013 (Large lecture, 200+ students) 		
	• Primary Instructor (non-coordinated courses)		
	• Chose course topics; constructed appropriate syllabus; prepared and presented lecture; scheduled, wrote and graded: exams, quizzes and homework assignments.		

- Courses Taught:
 - Calculus for Physical Sciences I: Summer 2010, Summer 2011
 - Calculus for Physical Sciences II: Summer 2013
 - Calculus for Physical Sciences III: Summer 2012
- Course Development:
 - Calculus for Biological Scientists I, Summer 2010. Assisted in editing online (WeB-WorK) homework sets as part of an update in course structure.

Related	GTA Mentor (CSU) Fall 2	2012, 2013		
Experience	 Chosen to mentor first year graduate teaching assistants Helped organize and run GTA training workshop, performed in-class evaluations and advised GTAs on areas of improvement 			
	 Private Tutor (CSU) 2009 - Present • Tutored individuals in Business, Biological, and Physical Calculus courses 			
	 College Reading and Learning Association Peer Tutor (Fort Lewis College) Certification completed 2008 Tutored drop-in mathematics students in precalculus and calculus courses 	2008-2009		
Research Interests	Arithmetic Algebraic Geometry: enumeration of abelian varieties			
	Number Theory: finite fields, number fields			
	Group Theory: matrix groups			
Talks and Posters	"Abelian Surfaces with Real Multiplication." Joint Mathematics Meetings AMS Session on Number Theory II, Baltimore, Maryland, January 2014			
	"Counting Abelian Surfaces with Real Multiplication by $\mathbb{Q}(\sqrt{d})$." Math Fest Graduate Student Poster Session, Hartford, Connecticut, August 2013			
	"Counting Abelian Surfaces with Real Multiplication by $\mathbb{Q}(\sqrt{d})$." AMS Special Session on Arithmetic Statistics and Big Monodromy, Boulder, Colorado (University of Colorado Boulder), April 2013			
	"Bounds for the Number of Isogeny Classes of Abelian Surfaces over \mathbb{F}_q ." CSU Number Theory Lab, Fort Collins, Colorado (CSU), April 2012			
	"Elliptic Curves, Abelian Varieties and Endomorphism Rings." Fort Lewis College Math Colloquium (Invited Speaker), Durango, Colorado, March 2012			
	"Endomorphisms of Abelian Varieties over Finite Fields and Characteristic Polynomials of Frobenius." <i>Greenslopes Graduate Student Seminar</i> , Fort Collins, Colorado (CSU), October 2011			
	"Irreducible Divisor Graphs." Joint Mathematics Meetings Undergraduate Research Poster Session, Washington DC, January 2009			
Conferences	5			
and Programs Attended	Western Algebraic Geometry Symposium, (CSU) October 2011	Western Algebraic Geometry Symposium, (CSU) October 2011		
	VIGRE Summer School 2011: Arithmetic Dynamics (University of Georgia), May 2011			
	Arizona Winter School: Stark-Heegner points (University of Arizona), March 2011			
	MAA Spring Meeting, Rocky Mountain Section (CSU), April 2010			
	Intensive Mathematics: a Mentoring, Education, and Research Summer Experience (IM- MERSE), (University of Nebraska-Lincoln), Summer 2009			

Wabash Summer Institute in Mathematics (WSIM) (Wabash College), Crawfordsville, IN, Summer 2008

AWARDS MAA Outstanding Seniors Award, Fort Lewis College, 2009 Math Award Scholarship, Fort Lewis College, 2006, 2007, 2008 Women in Mathematics Award, WMA, 2007 FLC Presidential Scholarship, Fort Lewis College, 2005 SERVICE Seminar Co-organizer Fall 2013 • Co-organized the Greenslopes Graduate Student Seminar, a research seminar for graduate students • Responsible for recruiting speakers, obtaining abstracts, maintaining seminar webpage, and running the seminar each week Math Circles Volunteer Summer 2013 • A week-long camp for middle school students interested in mathematics • Students explore fascinating and challenging math concepts in a hands-on format • Assisted as group leader, leading students between sessions, monitoring students and encouraging group discussion Regional Math Counts Competition Volunteer February 2013 • Assisted with grading the team and individual written exams Math Day Volunteer November 2009-2012 • High school math competition open to schools in Colorado, Nebraska and Wyoming • Students compete on individual written exams and team competitions for prizes offered from local and national donors • Read and scored for the college bowl style team competition MAA Rocky Mountain Sectional Meeting Book Sales Volunteer April 2010 Relevant All at Colorado State University, 2009-present Coursework • Abstract Algebra (4 semesters, including groups and rings, representation and character theory, and commutative algebra) • Real and Complex Analysis • Algebraic Geometry (2 semesters) Topology • Combinatorics (2 semesters) • Measure Theory • Special Topics: Number Theory (3 semesters, including elliptic curves, and arithmetic geometry); Computational Group Theory (computing in the computer system GAP); Numerical Algebraic Geometry Computing LATEX, Maple, Sage, GAP, Windows, WeBWorK SKILLS Society • AMS (2009-present) MEMBERSHIPS • SIAM CSU Student Chapter (2012-present) • Kappa Mu Epsilon - Gamma Chapter, Fort Lewis College (2009-present) • Sigma-Xi (2008-2009)