

Thomas I. Trelor

Department of Mathematics
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Education

- Ph.D. in Mathematics, University of Maryland, May 2001.
Research Areas: Symplectic Geometry, Integrable Systems
Thesis Title: Integrable Hamiltonian systems on moduli spaces of polygonal linkages
Advisor: John J. Millson
- B.S. in Mathematics and Chemistry, Buena Vista College, May 1995.

Appointments

- 2017-present Chair of Mathematics, Hillsdale College.
- 2017-present Professor of Mathematics, Hillsdale College.
- 2010-2017 Associate Professor of Mathematics, Hillsdale College.
- 2004-2010 Assistant Professor of Mathematics, Hillsdale College.
- 2004-present Leitzel Project NExT Fellow, Mathematical Assoc. of America.
- 2001-2004 VIGRE PostDoctoral Fellow, University of Arizona.
- 1996-2001 Graduate Teaching Assistant, University of Maryland, College Park.

Publications and Manuscripts

- **Research Interests:** Evolutionary game theory, Disease spread models, Sports analytics, Symplectic and Poisson geometry, Dynamical systems.
- (with Stephen Devlin) *A generating function approach to SIS and SIS-like disease spread models*, in preparation.
- (with Stephen Devlin) *A network diffusion ranking family that includes the methods of Markov, Massey, and Colley*, submitted to the Journal of Quantitative Analysis in Sports.
- *Arithmetic: Leading the Mind Toward Truth*, The Journal (A publication of the Society of Classical Learning), Fall 2013.
- Contributed to *Annotated Bibliography: Reading More About Mathematics*, The Journal (A publication of the Society of Classical Learning), Fall 2013.
- *The Purpose of Mathematics in a Classical Education*, The Imaginative Conservative (on-line journal), August 2012.
- (with Stephen Devlin) *Network-based criterion for the success of cooperation in an evolutionary prisoner's dilemma*, Physical Review E, **86**, 026113, 2012.
- (with Stephen Devlin) *Reply to "Comment on 'Cooperation in an evolutionary prisoners dilemma on networks with degree-degree correlations'"*, Physical Review E, **82**, 038102, 2010.
- (with Stephen Devlin) *Cooperation in an evolutionary prisoner's dilemma on networks with degree-degree correlations*, Physical Review E, **80**, 026105, 2009.
- (with Stephen Devlin) *Evolution of cooperation through the heterogeneity of random networks*, Physical Review E, **79**, 016107, 2009.
- *The symplectic structure of polygons in the 3-sphere*, Canadian Journal of Mathematics, **54**, 2002, 30–54.
- (with Michael Kapovich and John J. Millson) *The symplectic structure of polygons in hyperbolic 3-space*, Asian Journal of Mathematics **4**, 2000, (papers honoring the memory of K. Kodaira), 123–164.
- *Symplectic structures on arc-length parametrized loops in the 3-sphere*, unpublished manuscript, 2005.

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Summer Research Projects Advised

- Sarah Onken, “The Mathematical Philosophy of the Common Core: How the Standards Answer the Question: “What is Mathematics?””, LAUREATES program, Hillsdale College, 2015.
- Nathan English, “An Analysis of Population Structures and Disease Spread through the Susceptible-Infected-Susceptible (SIS) Model”, LAUREATES program, Hillsdale College, 2010.
- Micah Seppanen, “Properties of graphs and stability of cooperation in evolutionary Prisoner’s Dilemma” , LAUREATES program, Hillsdale College, 2007.
- Christin Alford, “Evolution of strategies in game theory”, LAUREATES program, Hillsdale College, 2005.

Honors Theses Directed

- Sarah Onken, “The Mathematical Philosophy of the Common Core: How the Standards Answer the Question: What is Mathematics?”, Departmental Honors Thesis in Mathematics, 2015-2016.
- Heidi Schweizer, “Non-manipulability in Social Choice Theory”, Departmental Honors Thesis in Mathematics, 2010-2011.
- Nathan English, “The Effect of Hubs in Populations with Evolutionary Prisoners Dilemma”, Departmental Honors Thesis in Mathematics, 2010-2011.
- Angela Moore, “Wavelets and Fourier Analysis”, Departmental Honors Thesis in Mathematics, 2007-2008.
- Micah Seppanen, “Evolutionary Game Theory of Prisoner’s Dilemma and average degree of random graphs”, Departmental Honors Thesis in Mathematics, 2007-2008.
- Christin Alford, “Memory loss and strategies in evolutionary game theory”, Departmental Honors Thesis in Mathematics, 2005-2006.
- Jasmine Spady, “Topology and Chemistry”, Departmental Honors Thesis in Mathematics, 2005-2006.

Service to the College

- **Mathematics Advisor to Barney Charter School Initiative**
 - Primary Mathematics advisor from 2010-2016 and Consultant from 2016-present
 - Member of Committee which vetted Headmaster candidates, 2014-2015.
 - Curriculum Advisor, 2012-2016.
 - * Helped develop K-12 curriculum for BCSI affiliate schools
 - * Meetings and telephone Conversations with Headmasters and teachers concerning Mathematics curriculum
 - * (with Sarah Onken, 2016) Conducted study *Comparison of Common-Core State Standards and Singapore Math Curriculum* and presented report to BCSI Headmasters, Summer 2015.
 - * Wrote several documents for the BCSI that are shared with affiliate schools
 - *Textbook Recommendation for Elementary Mathematics*
 - *Textbook Recommendation for Upper School Mathematics*
 - *Course Curriculum for Trigonometry and Pre-Calculus*
 - Mathematics portion of *BCSI Statement on the Philosophy of Education*

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Service to the College (continued)

- **Mathematics Advisor to Barney Charter School Initiative** (continued)
 - Off-campus teacher training sessions led for the following affiliate schools:
 - * Estancia Valley Classical Academy (2012)
 - * Founders Classical Academy of Lewisville (2012)
 - * Northwest Arkansas Classical Academy (2013)
 - * Savannah Classical Academy (2013)
 - * Atlanta Classical Academy (2014)
 - * Mason Classical Academy (2014)
 - * Founders Academy of Las Vegas (2014)
 - * Founders Classical Academy of Leander (2014)
 - * Founders Classical Academy of Dallas (2015)
 - * Founders Classical Academy of Flower Mound (2015)
 - * Founders Classical Academy of Mesquite (2015)
 - * Golden View Classical Academy (2015)
 - On-campus presentations and lectures to outside groups
 - * ‘Classical Mathematics: Euclid, Pythagoras, and Newton’, Hillsdale College Charter School Seminar, June 2012.
 - * ‘The Purpose of Mathematics in a Classical Education’, Classical School Job Fair and Mini-conference, February 2013.
 - * ‘A Math Lesson: A Conceptual Look at Division by Fractions’, Hillsdale College Charter School Seminar, June 2013.
 - * Charter School Headmaster Bootcamp, June 2012 and 2013.
 - * Charter School Headmaster Training, June 2014.
 - * BCSI Teacher Training on-campus (organized sessions and presented ten 1.5 hour sessions spanning K-12), June 2014.
 - * BCSI Teacher Training on-campus (organized sessions and presented two 2 hour sessions for upper school teachers), June 2015.
- **Chair of Topic Report on General Education, 2015-2016.**
 - Worked with Department Chairs, staff, and administration to gather support documents concerning Core Curriculum and Core Assessment
 - Authored forty-three page Topic Report on General Education
- **Academic Committee Work**
 - Ad-hoc committee on development of Logic & Rhetoric course, 2014-present.
 - Academic Honesty Review Board (Alternate), 2016-2017.
 - Academic Status Committee, 2015-2016.
 - Sabbatical/Summer Leave Committee, 2013-2015.
 - Nominating Committee, Hillsdale College, 2013-2014.
 - Tenure and Promotion Committee, member 2011-2012, chair 2012-2013.
 - Educational Policies Committee, 2010-2011.
 - Nominating Committee, Hillsdale College, 2008-2009.
 - Academic Status Committee, 2007-2008.
 - Ad-hoc committee on Final Exam policy, Hillsdale College, 2007-2008.
 - Academic Status Committee, 2005-2006.
- **Search Committee Work (Department member)**
 - Mathematics Search Committee, 2015-2016, 2014-2015, 2012-2013, 2007-2008, 2006-2007, 2005-2006.

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Service to the College (continued)

- **Search Committee Work (External member)**
 - Speech Search Committee, 2016-2017.
 - Education Search Committee, 2015-2016.
 - French Search Committee, 2014-2015.
 - Politics Search Committee, 2013-2014.
 - Education Search Committee, 2012-2013.
 - Speech Search Committee, 2012-2013.
 - Speech Search Committee, 2009-2010.
- **Other Service to the College and Division**
 - Luncheon with new faculty, led discussion concerning transition to Hillsdale College, Fall 2015.
 - Member of two faculty focus groups conducted by external marketing (website), 2015.
 - Conducted Scholars Weekend Interviews, 2014.
 - CCA Faculty Roundtable, “The Dodd-Frank: A Law Like No Other”, November 2013.
 - Faculty Mentor to Dr. Will Abram, Fall 2013-present.
 - Faculty Mentor to Dr. David Murphy, Fall 2007-present.
 - CCA Faculty Roundtable, “The News Media Today”, November 2005.
 - Co-organizer of Mathematics and Computer Science portion of Summer Science Camp, Hillsdale College, Summer 2005, 2006, and 2007.
 - Math Lecturer for Dreamer’s Camp at Hillsdale College, August 2005.
 - Academic Advisor to undergraduate students, 2005-present.

Service to the Department

- Took part in a number of curricular changes for the department:
 - Created *Game Theory* course (cross-listed with Economics).
 - Created *Mathematics & Music* course.
 - Helped create core course *Logic & Deductive Reasoning*.
 - Led reorganization of Calculus sequence.
 - Helped create *Integrated Calculus* sequence.
 - Substantially reworked *Mathematical Statistics* syllabus to include programming in R.
 - Created *Teaching of Elementary Mathematics* course.
 - Created *Teaching of Secondary Mathematics* course.
 - Researched the elimination of Math ACT as satisfying core requirements.
 - Helped revise Applied Mathematics major.
 - Helped restructure the two-year cycle of departmental offerings.
- Supervised several research programs and departmental honors theses.
- Given several undergraduate level talks for the department.
- Faculty mentor to David Murphy and Will Abram.
- Member of six mathematics department search committees.
- Member of Mathematics Graduate School Roundtable, Spring 2016.
- Departmental advisor to those interested in teaching K-12, 2012-present.
- Organized *Teaching Secondary Mathematics Seminar*, 2013-2014.
- Organized *Teaching Elementary Mathematics Seminar*, Spring 2012.
- Organized a *Actuarial Probability Study Seminar*, Spring 2010.

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Service to the Department (continued)

- Hosted luncheons for graduating mathematics majors, 2006-2014.
- Advised teams of students for Lower Michigan Mathematics Competition, Spring 2007-2009.
- Took a group of students to Michigan Undergraduate Mathematics Conference, Michigan State University, Fall 2007.
- Organized *Game Theory Seminar*, Spring 2007.
- Coordinator of Tutoring room in Mathematics Department, Hillsdale College, Fall 2005-2009.
- Faculty advisor to Kappa Mu Epsilon (KME), Mathematics Honorary, Hillsdale College, Fall 2005- Fall 2009.
- Departmental Representative for Career Cafe.
- Took a group of students to Rose-Hulman Undergraduate Mathematics Conference, Terre Haute, IN, March 2005.
- Co-organizer of presentation “What to do with an undergraduate degree in mathematics?”, Fall 2005.
- Took a group of students to Michigan Undergraduate Mathematics Conference, UM-Flint, Fall 2005.
- Departmental Representative for Senior Science Day, Fall 2005.
- Presentation of Award for Outstanding Senior in Mathematics, Parent’s Weekend, Spring 2005 and 2007.

Fellowships and Grants

- Sabbatical Leave, Hillsdale College, Spring 2011.
- Summer Leave Grant, Hillsdale College, Summer 2008.
- Project NExT fellow, 2004-present.
- LAUREATES program (with Sarah Onken), Hillsdale College, Summer 2015
- LAUREATES program (with Nathan English), Hillsdale College, Summer 2010
- Recipient of grant to attend Park City Mathematics Institute, funded by Institute for Advanced Study (IAS), Summer 2007.
- LAUREATES program (with Micah Seppanen), Hillsdale College, Summer 2007.
- LAUREATES program (with Christin Alford), Hillsdale College, Summer 2005.
- Recipient of grant to attend Park City Mathematics Institute, funded by Institute for Advanced Study (IAS), Summer 2004.
- Partially supported by a VIGRE grant, University of Arizona, 2001-2004.
- Dissertation Fellowship, Department of Mathematics, University of Maryland, 2000-2001.
- Goldhaber Travel Grant, Graduate School, University of Maryland, September 2000.
- Graduate Student Travel Grant, Canadian Mathematical Society, June 2000.

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Invited Lectures

- Hillsdale College Mathematics Colloquium, *Dynamical Techniques in Sports Analytics: How the Drunkard's Walk Helps Analyze Team Strength*, February 2016
- Hillsdale College Online Course 'A Proper Understanding of K-12 Education: Theory and Practice', *The Tried and True Way to Teach Math*, February 2015.
- Hillsdale College Charter School Seminar 'Back to School', *A Math Lesson: A Conceptual Look at Division by Fractions*, June 2013.
- Classical School Job Fair and Mini-Conference, *The Purpose of Mathematics in Classical Education*, February 2013.
- Hillsdale College Charter School Seminar 'What Makes Classical Education Different?', *Classical Math: Euclid, Pythagoras, and Newton*, June 2012.
- Guest lecture in 'History of Economic Thought', *Can pursuing self-interest lead to benevolence? A game theoretic look at Adam Smith's 'invisible hand'*, April 2012.
- Hillsdale College Mathematics Colloquium, *A Topologist looks at the Prisoner's Dilemma: the mathematics behind Adam Smith's 'invisible hand'*, March 2012.
- Hillsdale College Mathematics Colloquium, *Can pursuing self-interest lead to benevolence? A game theoretic look at Adam Smith's 'invisible hand'*, February 2012.
- Calvin College Mathematics Colloquium, *Modeling Evolutionary Processes on Networks*, February 2011.
- University of San Francisco Mathematics Colloquium, *Modeling Evolutionary Processes on Networks*, March 2009.
- Albion College Mathematics and Computer Science Colloquium, *The Evolution of Cooperation on Random Networks*, February 2009.
- Michigan Sectional Meeting of the MAA, *Modeling the Evolutionary Snowdrift Game on Random Networks*, Grand Valley State University, May 2008.
- Faculty Lunch Colloquium, *The Mathematics of Conflict and Cooperation*, Hillsdale College, April 2008.
- SE&T Seminar, Saginaw Valley State University, *The topology of polygonal linkages*, March 2005.
- Kappa Mu Epsilon Seminar, Hillsdale College, *The Games That Sticklebacks Play: The Evolution of Cooperation Part II*, April 2005.
- Kappa Mu Epsilon Seminar, Hillsdale College, *The Games That Sticklebacks Play: The Evolution of Cooperation Part I*, April 2005.
- KME Seminar, Hillsdale College, *Making Sense Out Of Consensus: A look at how voting methods determine election results*, October 2004.
- Geometry Seminar, University of Arizona, *Bending flows of polygonal linkages on constant curvature 3-space*, October 2001.
- Joint meeting of AMS-SMF, Lyon, France, Special Session on Differential Geometric Methods in Mathematical Physics, *Bending flows of polygonal linkages on constant curvature 3-space*, July 2001.
- American Mathematical Society Conference, University of Toronto, Special Session on Hamiltonian Systems, *Bending flows of polygonal linkages in E^3 , H^3 , and S^3* , September 2000.

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Invited Lectures (continued)

- Canadian Mathematical Society Conference, McMaster University, Special Session on Symplectic Geometry, *Manin pairs and the symplectic geometry of polygonal linkages*, June 2000.
- Graduate Research Interaction Day, University of Maryland, *Bending flows of polygonal linkages in E^3 , H^3 , and S^3* , April 2000.
- Geometry-Topology Seminar, University of Maryland, *Manin pairs and the symplectic geometry of polygonal linkages*, March 2000.

Conference Attendance and Invited Workshops

- MAA Michigan Sectional Meeting, Hillsdale College, April 2016.
- Joint Meetings of AMS/MAA/SIAM, Seattle, January 2016.
- Joint Meetings of AMS/MAA/SIAM, San Antonio, January 2015.
- Charter School Seminar, Hillsdale College, June 2014.
- Charter School Seminar, Hillsdale College, June 2013.
- Joint Meetings of AMS/MAA/SIAM, San Diego, January 2013.
- Charter School Seminar, Hillsdale College, June 2012.
- MAA Michigan Sectional Meeting, Grand Valley State University, May 2008.
- Lie Geometry, Geometry, and Discrete Groups: In honor of John Millson, University of Maryland-College Park, March 2008.
- Michigan Sectional Meeting of the MAA, Grand Valley State University, May 2008.
- Joint Meetings of AMS/MAA/SIAM, San Diego, January 2008.
- Michigan Undergraduate Mathematics Conference (sponsored by Michigan Section of MAA), Michigan State University, October 2007.
- MathFest (sponsored by the Mathematical Association of America), San Jose, CA, August 2007.
- Undergraduate Faculty Program in Statistical Mechanics, Institute for Advanced Studies and Park City Mathematics Institute, Park City, UT, July 2007.
- Joint Meetings of AMS/MAA/SIAM, New Orleans, January 2007.
- Rose-Hulman Undergraduate Mathematics Conference, Terre Haute, IN, March 2006.
- Joint Meetings of AMS/MAA/SIAM, San Antonio, January 2006.
- MathFest (sponsored by the Mathematical Association of America), Albuquerque, NM, August 2005.
- Project NExT Workshops, Albuquerque, NM, August 2005.
- Michigan Undergraduate Mathematics Conference (sponsored by Michigan Section of MAA), UM-Flint, October 2005.
- MAA Michigan Sectional Meeting, Alma, MI, April 2005.
- Russell Kirk Conference, “The Future of Liberal Arts”, Hillsdale College, February 2005.
- Joint Meetings of AMS/MAA/SIAM, Atlanta, January 2005.
- Project NExT Workshops, Atlanta, January 2005.
- MathFest (sponsored by MAA), Providence, RI, August 2004.

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Conference Attendance and Invited Workshops (continued)

- Project NExT Workshops, Providence, RI, August 2004.
- Undergraduate Faculty Program in Geometric Combinatorics, Institute for Advanced Studies and Park City Mathematics Institute, Park City, UT, July 2004.
- Joint Meetings of AMS/MAA/SIAM, Phoenix, January 2004.
- Mathematical Sciences Research Institute, Von Neumann Symposium on Complex Geometry, Calibrations, and Special Holonomy, August 2003.
- Conference on the Geometry and Topology of Quotients, University of Arizona, December 2002.
- AMS Eastern Sectional Meeting, Boston, October 2002.
- First joint meeting of AMS-SMF, Lyon, France, July 2001.
- AMS Eastern Sectional Meeting, University of Toronto, September 2000.
- NSF-CBMS Conference on the Geometrical Study of Differential Equations, Howard University, June 2000.
- Canadian Mathematical Society Conference, McMaster University, June 2000.
- Joint Meetings of AMS/MAA/SIAM, Washington, DC, January 2000.
- Institute for Mathematics and its Applications, Graduate Student Summer Program, Topology of manifolds, Iowa City, Iowa, July 1998.
- AMS Eastern Sectional Meeting, University of Maryland, April, 1997.

Other Professional Service

- Assisted David Gaebler as he the organization of the Michigan MAA sectional meeting hosted at Hillsdale College, April 2016.
- Grader for Michigan Mathematics Prize Competition, January 2005.
- High School Calculus Visitation Program, University of Arizona, 2004.
- Research Tutorial Group, *An Introduction to Symplectic Geometry*, in which three first-year graduate students studied Symplectic Geometry while reading current research papers, University of Arizona, 2001-2002.
- Graduate research conference, University of Maryland. Submitted proposal with fellow student creating a competition among graduate students in the Department of Mathematics. Member of a committee composed of faculty and students which organized the first annual Mathematics Research Presentation day.
- Graduate Student Mentor, University of Maryland, 2000-2001.
- Referee for Canadian Journal of Mathematics, Physica A, Physical Review E

Honors and Awards

- Excellence in Research Presentation, Graduate Research Interaction Day, University of Maryland, College Park, April 2000.
- Citation for Excellence in Teaching, Department of Mathematics, University of Maryland, College Park, 1998.
- Distinguished Teaching Assistant, Center for Teaching Excellence, University of Maryland, College Park, 1997-1998.
- Student of the Year in Mathematics, Buena Vista College, 1995.

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Professional Memberships

- American Mathematical Society, 1997-present.
- Mathematical Association of America, 1999-present.
- Project NExT, 2004-present.
- Sigma Zeta, 2004-present.
- Kappa Mu Epsilon, 2005-present.
- Intercollegiate Studies Institute, 2012-present.
- National Association of Scholars, 2012-present.
- Society for Classical Learning, 2013-present.

Other Service

- Ambassador to Burundi for Community Bible Study International (CBSI), 2014-present.
 - Traveled to Burundi in Spring 2015 to meet national leadership.
 - Met with CBS Burundi leadership to discuss program and resource needs.
 - Assist with training in the use of CBS bible study curriculum.
 - Provide technical support for website and newsletters.
 - Present CBS Burundi ministry to CBS classes in the US.
- Member of Board of Directors, Will Carleton Academy, August 2009 - 2015.
 - Vice-President of the Board, 2013-2015.
 - Policy Committee, Chair, January 2010 - present.
 - Long Range Planning Committee, Member, January 2010 - present.
 - Curriculum Committee, Member, 2012-2013.
 - Speaker, Eighth Grade Graduation, 2015.
- Hillsdale Free Methodist Church.
 - Member, 2011 - present.
 - Adult Sunday School Teacher, 2014-present.
- Webelos Den Leader, Pack 174, Hillsdale, 2012-2013.
- First Presbyterian Church of Hillsdale.
 - Member, October 2007 - 2011.
 - Ruling Elder, 2009 - 2011.
 - Christian Education Committee, Chair, 2009-2011.
 - Personnel Committee, Member, January 2009 - 2011.
 - Adult Sunday School Teacher, 2010-2011.
 - Volunteer for Community Soup Supper program to provide meals to those in need.
- Member of Zoning Board of Appeals, City of Hillsdale, May 2008 - January 2010.
- T-ball coach, Hillsdale Recreation Department, Summer 2008.
- Member of Board of Directors, One-on-One Christian Mentoring, September 2007-February 2009.

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Courses Taught

Spring, 2018	Math 112–Integrated Calculus Ia Math 120– Calculus I Math 425– Statistical Learning #
Fall, 2017	Math 112–Integrated Calculus Ia (2 sections) Math 370–Theory of Probability
Summer, 2017	Math 375/Econ 375–Game Theory
Spring, 2017	Math 113–Integrated Calculus Ib (2 sections) Math 415– Mathematical Statistics
Fall, 2016	Math 112–Integrated Calculus Ia (2 sections) Math 320–Multivariable Calculus
Summer, 2016	Math 375/Econ 375–Game Theory
Spring, 2016	Math 310–Linear Algebra Math 375/Econ 375–Game Theory Math 415– Mathematical Statistics #
Fall, 2015	Math 112–Integrated Calculus Ia (2 sections) Math 370–Probability
Summer, 2015	Math 375/Econ 375–Game Theory
Spring, 2015	Math 220–Calculus II (2 sections) Math 405–Complex Analysis
Fall, 2014	Math 120–Calculus I (2 sections) Math 310–Linear Algebra
Summer, 2014	Math 120–Calculus I
Spring, 2014	Math 310–Linear Algebra (2 sections) Math 375/Econ 375–Game Theory #
Fall, 2013	Math 105–Math & Deductive Reasoning (2 sections) Math 320–Multivariable Calculus
Summer, 2013	Math 120–Calculus I
Spring, 2013	Math 113–Integrated Calculus Ib (2 sections) Math 403–Real Analysis Math 458: Teaching Elementary Mathematics * #

Fall, 2012	Math 112–Integrated Calculus Ia (2 sections) # Math 220: Calculus II * Math 340–Differential Equations
Summer, 2012	Math 120–Calculus I
Spring, 2012	Sabbatical Leave
Fall, 2011	Math 213–Calculus I (2 sections) Math 340–Differential Equations
Summer, 2011	Math 120–Calculus I (course renumbered)
Spring, 2011	Math 213–Calculus I (2 sections) Math 415–Math & Music #
Fall, 2010	Math 213–Calculus I (2 sections) Math 340–Differential Equations
Summer, 2010	Math 213–Calculus I
Spring, 2010	Math 105–The Geometry of Euclid Math 310–Linear Algebra Math 370–Introduction to Probability
Fall, 2009	Math 105–The Geometry of Euclid % Math 214–Calculus II Math 405–Complex Analysis
Summer, 2009	Math 213–Calculus I
Spring, 2009	Math 214–Calculus II (two sections) Math 420–Introduction to Probability
Fall, 2008	Math 105–Finite Mathematics (two sections) Math 380–Mathematical Modeling
Spring, 2008	Math 110–Precalculus Math 400–Linear Algebra
Fall, 2007	Math 110–Precalculus (two sections) Math 320–Calculus III * Math 340–Differential Equations
Spring, 2007	Math 110–Precalculus Math 420–Introduction to Probability Math 459–Teaching of Secondary Education Math 591–Senior Seminar: Leonhard Euler
Fall, 2006	Math 213–Differential Calculus (two sections) Math 340–Differential Equations

Spring, 2006	Math 110–Precalculus	*
	Math 400–Linear Algebra (two sections)	
	Math 403–Advanced Calculus	
	Math 458–Teaching of Elementary Education	
	Math 459–Teaching of Secondary Education	
Fall, 2005	Math 105–Finite Mathematics	
	Math 213–Differential Calculus	
	Math 405–Complex Analysis	
Spring, 2005	Math 213–Differential Calculus	
	Math 360–Non-Euclidean Geometry	
	Math 403–Advanced Calculus	
	Math 458–Teaching of Elementary Education	#
	Math 459–Teaching of Secondary Education	#
Fall, 2004	Math 105–Finite Mathematics	
	Math 213–Differential Calculus	
	Math 340–Differential Equations	

Developed new course or substantially redeveloped existing course
 % Developed experimental course
 * Overload