

Timothy M. Prescott

The University of North Dakota
Math
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Education

- Ph D, University of California, Los Angeles, 2008.
Major: Mathematics
Supporting Areas of Emphasis: Probability
Dissertation Title: Invariance Principles for Random Environments and Shape Theorems
- MA, University of California, Los Angeles, 2003.
Major: Mathematics
- BS, Harvey Mudd College, 2002.
Major: Mathematics
Dissertation Title: Extensions of the Borsuk-Ulam Theorem

Teaching Experience

The University of North Dakota

- Mathematics 103, College Algebra, 3 courses.
- Mathematics 165, Calculus I, 3 courses.
- Mathematics 166, Calculus II, 3 courses.
- Mathematics 207, Introduction to Linear Algebra, 1 course.
- Mathematics 265, Calculus III, 3 courses.
- Mathematics 266, Elem Differential Equations, 3 courses.
- Mathematics 494, Readings in Mathematics, 1 course.

Directed Student Learning

- Directed Individual/Independent Study, "Brownian Motion and Stochastic Processes." (January 7, 2013 - May 14, 2013).

Development Activities Attended

- Attended Conference, "Frontier Probability Days," National Science Foundation, Bernoulli Society of Mathematical Statistics and Probability, Institute of Mathematical Statistics, and University of Arizona Department of Mathematics., Tucson, AZ. (May 18, 2014 - May 20, 2014).
- Workshop, "Faculty Teaching Showcase," Senate Continuing Education Committee and Center for Instructional and Learning Technologies, Grand Forks, ND. (March 3, 2010; October 5, 2010; October 30, 2012; February 20, 2013; November 21, 2013).
- Attended Conference, "North Central Section meeting," Mathematical Association of America. St. Cloud, MN. (April 25, 2014 - April 26, 2014).
Brookings, SD. (October 18, 2013 - October 19, 2013).
St. Paul, MN. (April 20, 2012 - April 21, 2012).
Moorehead, MN. (October 28, 2011 - October 29, 2011).
- Workshop, Office of Instructional Development, Grand Forks, ND.
"Active Learning in Large Classes," (April 10, 2013).
"Academic Integrity and Take-Home Exams: An Open Conversation," (December 4, 2012).
"Classroom Management in the Online Environment," (February 15, 2011).
"Using Online Tools to Enhance and Assess Student Learning," (October 27, 2010).
"What I Wish I had Known Before Teaching My First Online Course," (September 15, 2010).

"Writing Letters of Recommendation," (February 3, 2010).

Workshop, Center for Instructional and Learning Technologies, Grand Forks, ND.

"Spring 2013 Blackboard Preview," (October 31, 2012).

"What's New in Blackboard 9," (April 21, 2010).

"Online Teaching with Technology," (July 7, 2010 - July 15, 2010).

"Advanced Grade Center Features," (March 2, 2010).

"Blackboard End of Semester Clean-Up," (December 2, 2009).

"Assessments Part I: Creating & Grading," (November 9, 2009).

"Blackboard Building Blocks: Wikis," (September 14, 2009).

"Mastering the Grade Center in Blackboard," (August 25, 2009).

"Wimba Pronto," (August 18, 2009).

"Wimba Classroom," (August 17, 2009).

"Blackboard Building Blocks: Blogs," (August 10, 2009).

"Wimba Voice Tools," (August 5, 2009).

"Getting Started with Blackboard," (August 14, 2008).

Attended Conference, "Joint Mathematics Meeting," Mathematical Association of America, American Mathematical Society, Boston, MA. (January 4, 2012 - January 7, 2012).

Continuing Education, "Alice T. Clark / UND Foundation Scholars Mentoring Program," University of North Dakota, Grand Forks, ND. (August 16, 2009 - May 15, 2011).

Workshop, Senate Continuing Education Committee, Grand Forks, ND.

"On-Line Teaching and Intellectual Property and Copyright Issues," (March 2, 2011).

"I'm Going to Teach Online: Now What?," (2010).

"Visions for Online and Distance Learning," (2010).

"Delivery Options in an Online World," (November 3, 2010).

"Faculty Roles in Workforce Development," (February 9, 2010).

Attended Conference, "Park City Math Institute," Institute for Advanced Study, Park City, UT. (July 1, 2007 - July 21, 2007).

General Service

Member-at-Large, Mathematical Association of America. (July 1, 2014 - Present).

Committee Member, Academic Policies and Admissions Committee. (April 16, 2014 - Present).

Committee Member, Faculty Handbook Committee. (February 4, 2013 - Present).

Student Org Advisor (Non-Professional Org), UND Math Club. (September 17, 2012 - Present).

Committee Member, Student Academic Standards Committee. (May 1, 2012 - Present).

Committee Member, Student Technology Fee Committee. (September 1, 2010 - Present).

Committee Member, Calculus and PreCalculus committee. (August 16, 2010 - Present).

Writer / grader, Math Track Meet. (January 1, 2009 - Present).

Committee Member, Student Appeals Committee. (June 1, 2010 - October 3, 2013).

Committee Member, Local Arrangements Committee. (May 1, 2009 - October 31, 2009).

Professional Memberships

Mathematical Association of America. (August 1, 2010 - Present).

Published Intellectual Contributions

Other

Prescott, T. M. (2013). *Campus Connection Grader - extended* (pp. <http://www.und.edu/instruct/tprescott/ccg/>). Firefox Add-ons. <https://addons.mozilla.org/en-US/firefox/addon/campus-connection-grader/>

Prescott, T. M. (2013). *Campus Connection Grader* (pp. <http://www.und.edu/instruct/tprescott/ccg/>). Palo Alto, CA: Google Chrome Web Store. <https://chrome.google.com/webstore/detail/difjakgijldfbdmfnfgkloecfikpiecfn>

Prescott, T. M. (2011). *Taylor Polynomials at Various Points of a Function*.
<http://www.und.edu/instruct/tprescott/teaching/calc2/slidingTaylor.html>

Refereed Journal Articles

- Caputo, P., Faggionato, A., Prescott, T. M. (2013). Invariance principle for Mott variable range hopping and other walks on point processes. *Annales de l'Institut Henri Poincaré - Probabilités et Statistiques*, 49(3), 654-697. <http://dx.doi.org/10.1214/12-AIHP490>
- Biskup, M., Prescott, T. M. (2007). Functional CLT for Random Walk Among Bounded Random Conductances. *Electronic Journal of Probability*, 12(49), 1323–1348.
<http://ejp.ejpecp.org/article/view/456>
- Prescott, T. M., Su, F. E. (2005). A Constructive Proof of Ky Fan's Generalization of Tucker's Lemma. *Journal of Combinatorial Theory Series A*, 111(2), 257–265.
<http://dx.doi.org/10.1016/j.jcta.2004.12.005>
- Prescott, T. M., Su, F. E. (2004). Random Walks on the Torus with Several Generators. *Random Structures & Algorithms*, 25(3), 336–345. <http://dx.doi.org/10.1002/rsa.20029>
- Cappallo, N., Osborn, D., Prescott, T. M. (2000). Elephant Population: A Linear Model. *Undergraduate Mathematics and Its Applications*, 21(3), 389-402.

Editorial and Review Activities

- Electronic Journal of Probability, Ad Hoc Reviewer, Papers, International, Appointed, 1 items edited/reviewed, Academic, Basic or Discovery Scholarship. (June 20, 2014 - Present).
Review submitted paper to determine contribution to scholarly field.
- Discrete Mathematics, Ad Hoc Reviewer, Papers, International, Appointed, 1 items edited/reviewed, Academic, Research. (July 29, 2013 - December 2, 2013).
Review submitted paper to determine contribution to scholarly field.
- Electronic Journal of Probability, Ad Hoc Reviewer, Papers, International, Appointed, 1 items edited/reviewed, Academic, Basic or Discovery Scholarship. (February 24, 2012 - September 27, 2012).
Review submitted paper to determine contribution to scholarly field.
- Stochastic Processes and their Applications, Ad Hoc Reviewer, Papers, International, Appointed, 1 items edited/reviewed, Academic, Basic or Discovery Scholarship. (March 23, 2011 - February 5, 2012).
Review submitted paper to determine contribution to scholarly field.
- Discrete Mathematics, Ad Hoc Reviewer, Papers, International, Appointed, 1 items edited/reviewed, Academic, Basic or Discovery Scholarship. (October 16, 2010 - August 12, 2011).
Review submitted paper to determine contribution to scholarly field.

Presentations Given

- Prescott, T. M. (Presenter & Author), Teaching with Technology, "Campus Connection Grader," University of North Dakota, University of North Dakota. (May 29, 2014; June 18, 2014).
- Prescott, T. M. (Presenter Only), Online Teaching Showcase, "Methods for Teaching Online Courses," UND CILT, UND. (February 1, 2011; March 6, 2012).
- Prescott, T. M. (Presenter & Author), "Shape Theorems For Evolving Sets on Two Dimensional Lattices," Joint Mathematics Meeting, Mathematical Association of America and American Mathematical Society, New Orleans, LA. (January 8, 2011).
North Central Section Meeting, Mathematical Association of America, University of Sioux Falls, SD. (October 1, 2010).
- Prescott, T. M. (Panelist), Imagining the Digital Classroom, UND History Department, University of North Dakota. (November 18, 2009).
- Prescott, T. M. (Presenter & Author), Biskup, M. (Author Only), "Functional CLT for Random Walk Among Bounded Random Conductances," Department Colloquium, Roma Tre University, Rome, Italy. (March 1, 2008).
North Central Section Meeting, Mathematical Association of America, Bemidji State University, MN. (October 20, 2007).

Prescott, T. M. (Presenter & Author), Presentation Days, "Extensions of the Borsuk-Ulam Theorem," Harvey Mudd College, Claremont, CA. (May 1, 2002).

Prescott, T. M. (Presenter & Author), Su, F. E. (Author Only), "Random Walks on the Torus with Several Generators,"

Joint Mathematics Meeting, Mathematical Association of America and American Mathematical Society, San Diego, CA. (January 1, 2002).

Presentation Days, Harvey Mudd College, Claremont, CA. (May 1, 2001).

Cappallo, N. (Presenter & Author), Osborn, D. (Presenter & Author), Prescott, T. M. (Presenter & Author), Presentation Days, "Elephant Population: A Linear Model," Harvey Mudd College, Claremont, CA. (May 1, 2000).

Contracts, Grants and Sponsored Research

Grant

Prescott, T. M. (Principal), "Developing Interactive Demonstrations and Automated Online Quizzes," Sponsored by University of North Dakota, The University of North Dakota, \$4,000.00. (July 18, 2010 - August 14, 2010).

Consulting

Programming, Antibody Check, <http://www.antibodycheck.com/>. (2001 - Present).

Awards and Honors

Stavros Busenberg Prize in Applied Mathematics, Harvey Mudd College. (May 2002).

Outstanding Paper, Consortium for Mathematics and Its Applications. (March 2000).