

Michael A. Diehl

Curriculum Vita

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Unit 2
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EDUCATION

- Summer 2007 (expected) University of Massachusetts – Amherst, MA
PhD. in Mathematics
Advisor: Professor Luc Rey-Bellet
- May 2002 Muhlenberg College – Allentown, PA
B.S. in Mathematics – Summa Cum Laude with Honors in Math
Advisor: Professor William Dunham
- May 2002 Muhlenberg College – Allentown, PA
B.S. in Computer Science – Summa Cum Laude
Advisor: Professor David Nelson

RELATED EMPLOYMENT

- Fall 2007 – Endicott College – Beverly, MA
Assistant Professor of Mathematics
- Fall 2007 Courses: Applied Statistics, Advanced Statistics, Linear Algebra, and Finite Mathematics
- 2002 – 2007 University of Massachusetts – Amherst, MA
Teaching Assistant/Instructor
- Taught my own sections of (number of times): Basic Math (1), Intro to Statistics (4), Business Statistics (1), Multivariable Calculus (1), Ordinary Differential Equations (2)
 - Responsibilities included: preparing syllabi, making lecture notes, writing exams, grading assignments, holding office hours and collaborating with other instructors for multi-section courses
 - Assisted multi-section courses in (number of times): Calculus I (1), Calculus II (2), Intro to Statistics (1), ODE (3)
 - Responsibilities included: recitation sessions, holding office hours, grading assignments and designing quizzes
 - Developed a strong and successful classroom presence by giving clear and organized lectures, assigning thought-inspiring homework, group work, and projects, using technology and visual aides to support (not replace) instruction, giving insightful feedback to students about their work, and having an approachable demeanor that encouraged students to seek my help when needed

- 1999 – present University of Massachusetts and Muhlenberg College
Mathematics/Statistics/Computer Science Tutor
- Level III master certification from the College Reading and Learning Association
 - Tutored over 500 hours in all types of undergrad and graduate courses, and ran several calculus workshops
 - Received training in many areas, including techniques for helping learning-disabled students
 - Helped in the training and mentoring of new tutors
 - I was chosen to be the head math/stats/computer science tutor during my senior year (2001-2002). I did research about math anxiety disorder, and presented the results at the National Tutoring Association’s annual meeting. At this meeting, we received the association’s national award for “Best Four-Year College Tutoring Program”.

TALKS

- 2001 “A Comparison of the Efficiencies of Several Prime Number Generators”,
Muhlenberg College
- 2002 “Math Anxiety Disorder: It Doesn’t Really Add Up”, National Tutoring
Association’s annual meeting in Las Vegas
- 2002 “Lagrange Four Square Theorem”, Muhlenberg College – senior project
- 2003 “Highlights from Ancient Greek Mathematics”, UMASS – math club
- 2004 “Hahn-Banach and the Dirichlet Problem”, UMASS – grad seminar
- 2004 “Careers in Mathematics”, Muhlenberg College
- 2004 “Landmarks from Modern Mathematics”, UMASS – math club
- 2005 “Kantorovich Duality in Transport Theory”, UMASS – grad seminar
- 2005 “Careers in Mathematics”, Muhlenberg College
- 2005 “Ergodicity of Gaussian Dynamical Systems”, UMASS – grad seminar
- 2006 “Careers in Mathematics”, Muhlenberg College
- 2006 “An Afternoon with Hippocrates and Archimedes: The Quadrature of the
Lune and the Ancient Death Ray”, Bard College – Colloquium
- 2007 “Quadrature of the Lune”, Endicott College
- 2007 “Lagrange’s Four Square Theorem”, Georgian Court University
- 2007 “Large Deviations in Lattice Models”, Gettysburg College
- 2007 “Quadrature of the Lune”, Gettysburg College
- 2007 “Quadrature of the Lune”, Albright College

AWARDS/HONORS

2002-2007	Awarded teaching assistantships every semester
2006	Awarded a summer research grant
2003-2006	Selected to teach 6 intersessions
2003	Gilbert Suarez Excellence in Teaching Award
2002	National Tutoring Association's "Best Program of the Year" Award
2002	Wesley S. Mitman Mathematics Prize
2001	Robert & Edythe Mull Mathematics Award
2001	Reverend Dr. H.H. Bruning Service Prize
2000	Miriam E. Koehler Mathematics Award

RELATED COLLEGE SERVICE

2005-present	Math department's student representative to the Graduate Affairs Council
2004-present	President of the math department's graduate students at UMASS
2006	Coordinator for qualifying exams
2001-2002	Head tutor and math departmental liaison to Academic Support Services
2000-2002	Calculus workshop lecturer and coordinator

SELECTED COURSE WORK

Mathematics	Large deviations, stochastic processes, functional analysis, ergodic theory, spectral theory, probability theory, real analysis, ODE and dynamical systems, PDE, numerical analysis, numerical solutions to PDE's
Computer Science	Programming in C++, file and data structures, theory of computation, computer organization, data networking, artificial intelligence

COMPUTER SKILLS

Languages	C++, C, ADA
Software	LATEX, MATLAB, MS Office, Web design

PROFESSIONAL/ACADEMIC MEMBERSHIPS

AMS, MAA, SIAM
Phi Beta Kappa
Omicron Delta Kappa
Phi Sigma Iota
DANA Scholars