

John F. Hamman

20200 Observation Drive, HT 314
Germantown, MD 20876

(240) 567-7794

john.hamman@montgomerycollege.edu

Academic Experience

Montgomery College

Dean, Mathematics & Statistics July 2014 – present
Oversee 20,000 math students, 65 full-time faculty direct reports and 90 part-time faculty each year with an annual budget of \$6 million. Implemented co-requisite developmental math courses and created one of the first community college Data Science certificates.

Chair and Professor, Mathematics July 2012 – June 2014
Led 12 full-time and supervised 35 part-time faculty each year. Taught a variety of courses and served on multiple campus and college committees. Hired and onboarded numerous full- and part-time faculty.

Associate Professor, Mathematics August 2006 – June 2012
Taught various courses including calculus, linear algebra, math for elementary education, and developmental mathematics. Served on discipline, campus and college-wide committees.

Anne Arundel Community College

Associate Professor, Mathematics August 2001 – May 2006
Taught a variety of courses including developmental math, math for elementary teachers, linear algebra and the nature of mathematics. Used group projects involving Excel, the Internet, and calculators. Incorporated multiple assessment strategies including service-learning and writing across the curriculum.

Keene State College

Instructor, Mathematics September 2000 – August 2001
Taught various sections of Applied Algebra and Trigonometry, Issues and Trends in Mathematics Education, Contemporary Mathematics, and Statistics. Used Excel, graphing calculators, the Internet, paper writing and group projects.

Dartmouth College

Graduate Assistant, Mathematics September 1998 – March 2000
Assisted in the classroom as a tutor and guest lecturer, ran tutorial sessions and graded for courses including integrated math and biology, computability theory, and first and second semester calculus.

University of South Dakota

Instructor, Mathematics August 1997 – July 1998
Responsible for teaching sections of College Algebra, Finite Mathematics, Pre-Calculus with Trigonometry and Business Calculus. Worked extensively with a variety of graphing calculators throughout the year leading student research with them. Worked with Upward Bound in the Summer.

Academic Training

Ph.D. Program (no degree) in Mathematics September 1998 - March 2000
Dartmouth College

M.A. in Mathematics August 1997
University of Northern Iowa

B.A. in Mathematics-Secondary Education and Physics-Secondary Education December 1994
University of Northern Iowa

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Special Recognitions

Montgomery County Council Proclamation in recognition of Maryland Professor of the Year, 2012

Carnegie Foundation & Council for Advancement and Support of Education (CASE) 2012 Maryland Professor of the Year

National Institute for Staff and Organizational Development (NISOD) Excellence Award, 2012

Faculty Outstanding Service Award, Montgomery College, 2011

Selected Presentations

Welcoming Remarks. Maryland Association for Institutional Research, 2017 (invited speaker)

Adaptive Learning in Statistics. Kirwan Center for Academic Innovation Board, 2017 (invited speaker)

Implementing Achieving the Dream at MC. Achieving the Dream Board of Trustees, 2016 (invited speaker)

Alternative Placement: Moving Students Forward. American Association of Community Colleges, 2016

Proving the Impossible. Spring Section Meeting of the MAA, 2013 (invited speaker)

New Directions in Developmental Math. Spring Section Meeting of the MAA, 2012

Course Redesign in Maryland. Cherry Blossom Congress, 2012 (invited speaker and panelist)

Developmental Math & Technology. Community College Symposium in India, 2011 (invited speaker)

Math Reforms to Improve Completion. Maryland Association of Community Colleges, 2010

How to Think like a Mathematician. Montgomery College Math Seminar, 2009

How Service Learning Improves Developmental Education. Developmental Ed Assoc. of MD conference, 2007

TIMSS: What it means to us. Maryland Council of Teachers of Mathematics, 2005

Service Learning: A Way to Motivate Students. MD Council of Teachers of Mathematics Annual Conf., 2003

Bringing Euclid into the 21st Century. MAA Mathfest, 2003

Fuzzy Logic. Keene State College Mathematics Seminar, 2000

Geometry and the TI-92. South Dakota Council of Teachers of Mathematics Conference, 1998

Fuzzy Logic: An Introduction. University of South Dakota Mathematics Colloquium, 1997

What's Hot and What's Not in Fuzzy Logic. Iowa Section Meeting of the MAA, 1997

A Look at the Four-Vertex Theorem. Iowa Section Meeting of the MAA, 1996

A Vague Look at Fuzzy Logic. Fourth Annual Iowa Space Conference, 1994

Publications

Hamman, John, Contributor; Hadlock, Charles, Editor, *Mathematics in Service to the Community: Concepts and Models for Service-Learning in the Mathematical Sciences.* MAA. 2005

Hamman, John, *Motivating Students through Service Learning*, Baneker Banner. MCTM. Summer 2004.

Hamman, John, *Fuzzy Logic: an analysis of logical connectives and their characterizations.* Master's Thesis 1997.

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Service to the College

- While a faculty member, twice elected as Chair of the Germantown Faculty Council
- Served on Academic Assembly & College Council
- Served on Honors Curriculum Committee
- Served on Budget Review Advisory Committee
- Co-chair of Assessment Chapter for Middle States Accreditation
- Served on the Developmental Math Task Force to redesign developmental mathematics
- Achieving the Dream leader serving on both Core Team and Data Team
- Numerous search committees for faculty, staff, and administrators including Chief Information Officer
- Started and Funded a Quantitative Reasoning In the Discipline (QRID) group
- Grants: First in the World (PI), Sonja Kovalsky Day(PI), Capital One
- Intense work with Ithaca S+R and University of Maryland College Park to improve statistics education and transfer for all our students
- Developed Data Science certificate and established the DATA department
- Developed analytics to help measure seat utilization to maximize efficiency at the college

Service to the Profession

- Served as the Chair and Program Chair for the MD/DC/VA Section of the MAA, organizing and running a semi-annual conference for the Section as well as serving on the Executive Board
- Appointed to the national MAA Committee on Undergraduate Student Activities and Chapters, organizing undergraduate talks for the national MAA summer meetings
- Promoted mathematics to local elementary, middle and high school students by bringing them to MC for multiple MAA competitions, math circle, Math Expo and Sonja Kovalsky day.
- Helped to organize and support the 2017 National Math Festival in Washington, D.C.
- Represented community colleges at National Academy of Sciences Data Science Meeting
- Invited participant in workshop, “Keeping Data Science Broad: Negotiating the Digital and Data Divide” at Georgia Tech in October/November 2017
- Worked as a facilitator for the Charles A. Dana Center at University of Texas Austin to help deliver the Mathematics Pathways model for state implementations in multiple states and in conjunction with ATD

Service to the Community

- Used service-learning extensively while teaching to engage the community outside of the classroom
- Appointed to the Hood College Graduate Math Education Advisory Council
- Taught leadership to youth and adults through the Boy Scouts of America, at local and national levels including serving as Scoutmaster for multiple National Youth Leadership Training Courses, as an Assistant Scoutmaster for the 2017 National Jamboree, and as a Troop Guide for a Wood Badge Course
- Served as Lodge Advisor to the national honor society of the Boy Scouts of America, the Order of the Arrow, and was recognized with the Founder’s Award in 2016 for the spirit of selfless service