

Betsy McCall

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“Betsy definitely knows what she is talking about and is great at answering questions.”

Anonymous Student in course evaluation (2013), Linear Algebra, Columbus State Community College

“During classroom observations, I have personally seen the mathematically precise and topically exhaustive, yet personable and accessible style that she brings to her interactions with students. Betsy’s commitment to students extends beyond the classroom; she patiently and extensively guides students through material during both formal office hours and informal help sessions. This caring about students’ success extends beyond current students to former students, a level of concern that greatly boosts students’ opinion of our institution as a whole. More than once I have heard students exclaim, when they showed facility with some difficult concept ‘Oh, I talked to Betsy about that. She cleared it up!’”

Gary Gutman, Ph.D., Assistant Professor, Columbus State Community College

“Betsy is an excellent instructor and is able to teach difficult topics by breaking them

Professional Profile

Specialist in teaching course in mathematics, composition, business and technology. Extensive experience in teaching non-traditional course modalities, such as self-paced, online, hybrid, and flipped classrooms. Capable of teaching at all levels: pre-college, and college-level courses. Experienced writing for technical, and educational audience, fiction and non-fiction. Offers a combination of business experience coupled with a broad educational background in diverse fields.

- Holds three Masters’ degrees in Mathematics, Management Information Systems, and Linguistics. (Master of Arts in History in progress.)
- Extensive course work at the graduate level in applied mathematics, and linguistics.
- Experienced in use of computers and calculators, a wide range of software and a wide variety of course management systems.
- Dedicated to enthusiastic and dynamic teaching to help allay the fears of remedial students and to encourage the attention to detail required for higher level courses.

Education, Honors, and Certifications**M.A. Linguistics**

Indiana University, Bloomington, IN. 1999

M.S. Mathematics

Cleveland State University, Cleveland, OH. 2002

M.S. Management Information Systems

Nova Southeastern University, Fort Lauderdale, FL. 2003

Bachelor of Arts in Philosophy

Ohio State University, Columbus, OH 2013

Bachelor of Arts in Classical and Medieval Studies

Cleveland State University, Cleveland, OH. 1997

Assistantships

Cleveland State University, Cleveland, OH. 2000-2002

University of Pittsburgh, Pittsburgh, PA 2002-2004

Awards

2-time nominee for Distinguished Teaching Award (CSCC) 2012, 2014 (finalist)

Faculty Fellow, First in the World – Maryland Mathematics Reform Initiative 2015-2017

Faculty Fellow for Inquiry-Oriented Differential Equations, TIMES, 2017

Reviewer of the Month, College for America, September 2018

Nominee, George Mason Adjunct Faculty Teaching Excellence Award, 2019

Certifications

Learner-Centered Instructor Certification (Baker College) 2013

Microsoft Office Specialist – Word (core), Excel (core), Outlook, PowerPoint, January 2017

Key Qualifications

- More than two decades of teaching and tutoring experience.
- Plans and teaches the entire curriculum of community college mathematics courses

down and discussing applications. Her handouts and application problems are especially helpful.”

Anonymous Student in course evaluation (2012), Analytical Geometry and Calculus IV, Columbus State Community College

“You were able to explain math in a way I could understand. You were always willing to help and I never felt dumb in your class. I wish more math teachers would take your approach.”

Mary E. Minor
former student, Pre-Calculus
Columbus State Community College

“Students... enjoyed Betsy's classes and felt prepared to move on.... Her students tend to be motivated, know how to ask questions and actually “do” mathematics, not just mimic procedures.”

E. Gregory Holdan, Ph. D.
Assistant Professor of
Mathematics Education
Robert Morris University

“I have learned so much so fast. Thanks for being an excellent teacher. You have made a difference for me to learn this math... Thank you for your support and encouragement I really enjoyed having you for my professor.”

Valerie Saari
former student, College Algebra

from pre-algebra, through differential equations, linear algebra and calculus-based statistics, business analytics and introductory technology courses.

- Nine years of designing and teaching online courses, and a decade of experience utilizing computers and calculators in the classroom and implementing technological approaches to subject material.
- Experience developing and teaching professional development courses to other educators in technology or education.
- Experience writing about mathematics and science
- Experience developing new college-level courses

Experienced Educator

Designed and conducted courses across the entire math curriculum including: Pre-Algebra, Beginning & Intermediate Algebra, College Algebra, Business Math, Business Calculus, Liberal Arts Math, Discrete Math, Elementary and Calculus-based Statistics, Pre-Calculus and Trigonometry, Calculus and Differential Equations, Linear Algebra, and Analysis. In addition, I have experience teaching courses in fields like Information Technology, English Composition, Technical Writing, Business Analytics, Logistics Management. Experience includes serving as teaching assistant, one-on-one tutoring, classroom teaching, online teaching and standardized test preparation.

Computer Skills

- **Software (IBM, MAC and Linux environments):** Microsoft Windows® and DOS, Linux, Firefox, Microsoft Office (Word, PowerPoint, Excel, Publisher, Access, Outlook), FrontPage, Expressions, Cold Fusion, MATLAB, Maple, Mathematica, SAS, TI-Interactive, GraphCalc, Blackboard, eCollege, WebCT.
- **Programming Languages:** Cold Fusion, Flash, Basic, C, Java, Javascript, HTML, LaTeX.
- **Working knowledge of the Internet**
- **System installations and debugging;** terminal/printer operations
- **Website design**
- **Microsoft Office Certified Professional:** Word (core), Excel (core), PowerPoint, Outlook

Language Skills

- **English** native
- **French** read/write, some speaking
- **German** read/write some speaking
- **Classical Greek** read/write proficiently

Employment

Professional Development in Education

- **Assistant Professor**
Anne Arundel Community College, Arnold, MD, August 2015-17
- **Annually Contracted Faculty/Lecturer**
Columbus State Community College, Columbus, OH, August 2013-15
Robert Morris University, Moon Township, PA, August 2004-July 2006
- **Subject Matter Expert**
W.H. Freeman, calculus textbook, 2013
Adapt Courseware, college algebra, 2014
Agate Publishing, statistics, 2014
Columbus State Community College, remedial algebra/placement, 2014
Council for Aid to Education, graduate biostats, 2015
Western Governors University, college algebra, calculus, 2017-2018

DeVry University Online

"Thanks for all your support through this class and I have to say, by far, you have been the BEST online instructor I have ever had at DeVry. I have never had a more thorough, supportive, with-it instructor before. The online instructor evaluation reflects my thoughts as well."

Michelle Colombini
former student, Algebra sequence
DeVry University Online

"...I just wanted to thank you for the semester. You have opened the door for my college career and I just wanted to say thank you. I have enjoyed your class and look forward to classes in the future."

Chris Kaufman
former student, College Algebra
Robert Morris University

"This has been the first math class that I did not have extreme anxiety over and I believe that is in part due to your teaching! The manner in which you presented things made the book much easier to understand."

Kim Burky
former student, Liberal Arts Math
Columbus State Community
College

"I want to thank you for your time and effort with me throughout the course."

Saylor University, calculus, 2018

Freedom Learning Group, multivariable/business calculus, finite math 2018

- **Adjunct Faculty**
Northern Virginia Community College, Alexandria, VA, 2017-present
George Mason University, Fairfax, VA, 2017 to present
Columbus State Community College, Columbus, OH, March 2007 to 2013
Cleveland State University, Cleveland, OH, January 2007 to July 2007
Community College of Allegheny County, West Mifflin, PA, August 2003 to December 2005
- **Online Instructor**
Baker College Online, Flint, MI, May 2008 to present
DeVry University Online, Naperville, PA, January 2004 to 2011
National American University, Rapid City, SD 2008 to 2009
- **Reviewer**
College for America (Southern New Hampshire University), August 2015 to present
- **Test Prep Instructor/Tutor**
Kaplan Test Prep, Pittsburgh, PA, August 2006 to December 2006
Columbus State Community College, Columbus, OH, June 2009
- **Teaching Assistant**
University of Pittsburgh, Pittsburgh, PA, August 2002 – July 2004
Duquesne University, Pittsburgh, PA, August 2003 – July 2004
Cleveland State University, Cleveland, Ohio, August 2000 – August 2002
- **Private Tutor**
Since 1988, tutoring mathematics from high school level (algebra, geometry), through upper-level undergraduate and applied graduate courses (such as math stats, complex variables, analysis, abstract algebra, etc.), composition, chemistry, physics.

Other Experience

- **Webmistress/Webmaster**
The Pewter Gallery, Concord, OH, January 1998 to June 2007
Columbus Area Mensa, Columbus, OH, August 2007 to July 2008
SIAM Student Chapter, Pittsburgh, PA August 2003 to August 2004
- **Guest/substitute lecturer**
Cleveland State University, Cleveland, Ohio, August 2001 – August 2002
- **Business Manager and General Editor**
Indiana University, Bloomington, IN, August 1998 – August 1999
- **Writer**, 1992 to present

Professional Affiliations & Academic Involvement

Educational Policies and Curriculum Committee, Anne Arundel Community College, 2016-2017
Computer Math (Math 1111) Contextual Course Development, Sub-Committee Lead; & Visual Arts Math Sub-Committee Lead; Math Strategies Team. 2014-2015.
Math Annually Contracted Faculty Committee. Chair. 2013-2015.
Columbus State Annually Contracted Faculty Committee. 2013-2014.
Calculus/Post-Calculus, Discrete Math, Liberal Arts Math Sequence Committees. STEM Committee. 2013-2014.
Distance Learning Committee. 2009-2014.
Baker College Google Guide. 2013.
Math Adjunct Advisory Committee (Columbus State). Secretary 2008-2009, President 2009-2010. Member 2010-2011, 2012-2013.

Honestly, without all your detailed revisions I would never have learned my mistakes in order to better myself."

Eboni Albert
former student, Composition II
Baker College Online

"Betsy McCall is the best math instructor I have had. She explains in detail and helps all students equally. [She] is open to questions and is able to provide the required time to help each student learn."

Anonymous Business Calculus II
student in evaluation Summer 2009
Columbus State Community
College.

"You are the embodiment of the spirit of lifelong learning that we want to instill in our students."

Dr. Dawn Lindsay, President of
Anne Arundel Community College,
2015 in hiring interview.

Graduate representative Computer Committee (University of Pittsburgh) 2002-2004

American Chemical Society, member 2013 to present

American Association for the Advancement of Science, member 2010 to present

Mathematics Association of America, member 2007 to present

Ohio Mathematical Association of Two-Year Colleges, 2014 to 2015

American Mathematical Society, member 2000 to present.

Society for Industrial and Applied Mathematics, member 2000 to present.

Association of Women in Mathematics, member 2000 to present.

Modern Language Association, member 1997 to present

Indiana University Linguistics Club, member 1997 to 1999. Secretary, 1998. Vice-President, 1999.

Voces Antiquae et Mediaevales, member 1994 to 1997. Treasurer, 1996. Vice President, 1996. President, 1997.

Current Research Interests

- Manifest Destiny, History of Science, Intellectual History.
- Modeling applications.
- Math education topics related to resequencing multivariable calculus topics, flipped classrooms, women in mathematics.

Academic Publications & Presentations

McCall, Betsy, 2016. "Hands on Math-Modeling for STEM & Statistics".

Presented at 2016 MMATYC Conference, Maryland.

McCall, Betsy, 2015. "Jazzing Up Statistics with Discussion Questions and Case Studies". 2015 AMATYC Conference, New Orleans. November 19-22, 2015.

McCall, Betsy, 2015. "Emphasizing Conceptual Connections in Multivariable Calculus". 2015 Teaching and Learning Conference, Franklin University, June 5, 2015.

McCall, Betsy, 2015. "Using Discussion Questions to Promote Active Reading in Mathematics and Statistics". 2015 OhioMATYC Conference. April 10, 2015.

McCall, Betsy, 2015. "Advanced Blackboard". Professional Development Mini-Conference. January 24, 2015. (Co-presented on "New Math Pathways")

McCall, Betsy. 2013. "Metathesis". *Encyclopedia of Ancient Greek Language and Linguistics*. Ed. Georgios K. Giannakis. Brill. Boston, MA.

McCall, Betsy. 2009. Professional Development Conference. *Advanced Blackboard Training*. Columbus State Community College.

McCall, Betsy 2003. "Decision Theoretic Models of Optimality". *Proceedings of the Workshop of Variation within Optimality Theory*, April 26-27, 2003.

McCall, Betsy 2000. "Metathesis, Deletion, Dissimilation and Consonant Ordering in Proto-Greek". Presented at the 11th UCLA Indo-European Conference, June 4-5, 1999. Appears in *Proceedings of the 11th UCLA Indo-European Conference, Journal of Indo-European Studies*.

Nagao, Kyoko & Betsy McCall 1999 "A Perception-Based Account of Mimetic Palatalization in Japanese". Presented at the International Congress of Phonetic Sciences satellite meeting, 'The Role of Perception in Phonology', July 30, 1999.