

MICHAEL A. COCO

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CURRENT POSITION

Assistant Professor of Mathematics
LYNCHBURG COLLEGE; Lynchburg, Virginia. 2003-present

DEGREES

PhD in Mathematics; May 2003
UNIVERSITY OF SOUTH CAROLINA; Columbia, South Carolina 1997–2003
Thesis Advisor: Professor Maria Girardi

BA in Mathematics Education, May 1997
MERCYHURST COLLEGE; Erie, Pennsylvania 1993–1997
Graduated with magna cum laude honors

RESEARCH INTERESTS

To continue exploring structural and geometric properties of Banach spaces.

Other interests include the interaction of Mathematics and other sciences as well as non-scientific disciplines; involvement in student research projects in many fields of Mathematics including Group Theory, Game Theory, Philosophy of Mathematics, Mathematical Modelling, etc.

PUBLICATIONS

Michael A. Coco, *Problem Solving Across the Curriculum*, MAA Focus 28 (4) (2008) p.10-11.
Michael A. Coco, *Biorthogonal Systems in Banach Spaces*, Studia Mathematica 165 (1) (2004) p.81-99.
M.A. Coco and M.C. Lammers, *A Hilbert C^* -Module for Gabor Systems* (submitted).

MEETINGS/CONFERENCES/WORKSHOPS ATTENDED

Instructional Development Workshop <i>Lynchburg College</i> <i>Lilly Conference Teaching Ideas & Writing Across the Curriculum</i>	January 2008
Instructional Development Lunch <i>Lynchburg College</i> <i>Integrating Liberal Learning in the Curriculum</i>	November 2007
Fall Sectional Meeting of the MD, DC, VA Section of the MAA <i>Ann Arundel Community College Annapolis, MD</i>	November 2007
SUMS (Shenandoah Undergraduate Math and Stat) Conference <i>James Madison University Harrisonburg, VA</i>	October 2007
Instructional Development Workshop <i>Lynchburg College</i> <i>Designing and Evaluating Group Work</i>	August 2007
SUMS (Shenandoah Undergraduate Math and Stat) Conference <i>James Madison University Harrisonburg, VA</i>	November 2006
Spring Sectional Meeting of the MD, DC, VA Section of the MAA <i>Loyola College Baltimore, MD</i>	April 2006
SUMS (Shenandoah Undergraduate Math and Stat) Conference <i>James Madison University Harrisonburg, VA</i>	November 2005
Spring Sectional Meeting of the Southeastern Section of the MAA <i>Meredith College Raleigh, NC</i>	April 2005
Joint National Meeting of the AMS/MAA; Atlanta, GA	January 2005

PRESENTATIONS

Virginia Commonwealth University Analysis Seminar; Richmond, VA <i>Multiplicative Calculus</i>	April 2008
Lynchburg College; Lynchburg, VA <i>Art as a Mathform: The Intersection of Antipodal Worlds</i>	February 2005
Joint National Meeting of the AMS/MAA; Baltimore, MD <i>Biorthogonal Systems in Banach Spaces</i>	January 2003
University of South Carolina at Columbia <i>Biorthogonal Systems in Banach Spaces</i>	February 2002
Kent State University; Kent, OH <i>Biorthogonal Systems and Geometry of Banach Spaces</i>	October 2001
University of South Carolina at Columbia <i>On the Dunford-Pettis Property and Biorthogonal Systems</i>	March 2001
University of South Carolina at Columbia <i>Frames for Banach Spaces</i>	April 2000

TEACHING

The following chart summarizes teaching assignments and marks on teaching evaluations at Lynchburg College. The rating shown is the average of questions 6-16 with the range of response: 1 (high) to 5 (low).

TERM	COURSE	COURSE TITLE	ENROLLMENT	RESPONSES	RATING
Spring 2008	Math 104	Calculus II	20	NA	NA
Spring 2008	Math 105	Problem Solving in Math	24	NA	NA
Spring 2008	Math 105	Problem Solving in Math	25	NA	NA
Fall 2007	Math 103	Calculus I	17	10	1.76
Fall 2007	Math 103	Calculus I	16	9	1.40
Fall 2007	Math 104	Calculus II	17	11	1.20
Fall 2007	Math 407	Advanced Calculus	12	12	1.57
Spring 07	Math 106	Liberal Arts Math	24	14	1.27
Spring 07	Math 106	Liberal Arts Math	25	6	1.88
Spring 07	Math 104	Calculus II	18	NA	NA
Spring 07	Math 311	Probability	19	17	1.23
Fall 06	Math 103	Calculus I	18	7	1.29
Fall 06	Math 103	Calculus I	19	14	1.37
Fall 06	Math 104	Calculus II	15	12	1.72
Fall 06	Math 407	Advanced Calculus	11	4	1.54
Spring 06	Math 102	Precalculus	16	14	1.83
Spring 06	Math 104	Calculus II	21	16	2.21
Spring 06	Math 106	Liberal Arts Math	27	11	1.29
Spring 06	Math 313	Complex Variables	15	11	1.34

The following chart summarizes teaching assignments and marks on IDEA teaching evaluations at Lynchburg College. The student evaluation rating is *Overall Excellence of the Instructor* with the range of response: 0 (low) to 5 (high).

TERM	COURSE	COURSE TITLE	ENROLLMENT	RESPONSES	RATING
Fall 05	Math 102	Precalculus	25	10	4.1
Fall 05	Math 102	Precalculus	22	17	4.8
Fall 05	Math 104	Calculus II	18	13	4.1
Fall 05	Math 407	Advanced Calculus	6	5	4.3
Spring 05	Math 104	Calculus II	22	17	4.2
Spring 05	Math 106	Liberal Arts Math	25	16	4.3
Spring 05	Math 106	Liberal Arts Math	27	15	4.6
Spring 05	Math 333	Mathematical Statistics	7	6	4.5
Fall 04	Math 102	Precalculus	24	20	4.7
Fall 04	Math 102	Precalculus	24	15	4.6
Fall 04	Math 311	Probability	12	11	3.9
Fall 04	Math 407	Advanced Calculus	8	8	3.5
Spring 04	Math 102	Precalculus	20	14	4.6
Spring 04	Math 106	Liberal Arts Math	25	11	4.4
Spring 04	Math 106	Liberal Arts Math	24	6	4.4

Spring 04	Math 104	Calculus II	23	16	3.8
Fall 03	Math 102	Precalculus	21	14	4.6
Fall 03	Math 102	Precalculus	20	14	4.4
Fall 03	Math 106	Liberal Arts Math	24	17	4.8
Fall 03	Math 407	Advanced Calculus	11	6	4.2

OTHER TEACHING EXPERIENCES

Summer Graduate Mathematics Course (MATH 601) <i>Rational & Irrational Numbers: The Foundation of Real Analysis</i>	Summer 2008
Director for two Senior Thesis Projects <i>Random Walks</i> with Jimmie Greber <i>Transcendental Number Theory</i> with Crystal Moorman	2007-2008 AY
Director for one Senior Thesis Projects <i>The Philosophy of Mathematics</i> with Jess Sollner	2006-2007 AY
Nominated for Shirley Rosser Excellence in Teaching Award	2005-2006 AY
Director for two Senior Thesis Projects <i>Topspin Solvability</i> with Ben Grannan <i>Modeling the spread of disease on a College Campus</i> with Andrew Crawford	2005-2006 AY
Director for one Senior Thesis Project <i>Cryptography and its Uses</i> with Selena Austin	2004-2005 AY

SERVICE

Biology Search Committee	Spring 2008
Environmental Science Search Committee	2007-2008 AY
IMBA Trail Building School/Work Day <i>Peakview Park</i>	November 2007
CVMA Trail Maintenance Day <i>Peakview Park</i>	September 2007
Freshman Advisor (15 students per year)	2007-Present
Math Major Advisor (currently 7 students)	2004-Present
Interviewer for LC Scholarship Competition	2004-Present
Member of Central Virginia Mountainbike Association (CVMA)	2006-Present
Teaching and Learning Resources Committee	2005-2008

Journal Article Referee <i>On Banach Frames of Type Λ (Journal: Matematicki Vesnik)</i>	Spring 2008
Judge for Central Virginia Regional Science Fair	2003-2007
Book Review <i>Mathematical Thinking and Writing by Randall Maddox</i>	Spring 2007
Freshman Advisor (7 students per year)	2004-2007
Faculty Advisor for LC Cycling Club	2004-2007
Lynchburg College Habitat for Humanity Project	Fall 2006
United Way Day of Caring <i>Lynchburg Free Clinic</i>	May 2006
Interfaith Outreach <i>Helped move furniture</i>	May 2006
Experiential Learning Project	Spring 2006
Game Manager for LC Athletics	2004-2006
Mathematics Search Committee	2004-2006
Environmental Science Search Committee	2004-2005 AY
Goldwater Scholarship Committee	2004-2005 AY