

David M. Sobecki

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Education

Doctor of Philosophy in Mathematics, August 1995
Bowling Green State University, Bowling Green, Ohio

Master of Arts in Mathematics, August 1990
Bowling Green State University, Bowling Green, Ohio

Bachelor of Science in Education, Summa Cum Laude, May 1988,
Bowling Green State University, Bowling Green, Ohio
Major: Mathematics
Minor: Comprehensive Science Education

Professional Experience

Associate Professor, Miami University

August 1997 - Present

Participated in teaching, research and service to the department, the University, and specifically to Hamilton campus as a full member of the Department of Mathematics and Statistics. Promoted to Associate Professor and granted tenure in 2003.

Visiting Assistant Professor, Franklin and Marshall College

August 1995 - July 1997

Taught precalculus courses and all courses in a three semester calculus sequence. Pursued a research plan that extended results in my doctoral thesis. Actively participated in departmental planning and policy implementation.

Teaching Fellow, Bowling Green State University Department of Mathematics

August 1990 - May 1995

Taught individual sections of courses in basic calculus, trigonometry, and college algebra. Assumed sole responsibility for planning and instruction.

Graduate Teaching Assistant, Bowling Green State University Department of Mathematics

August 1988-May 1990

Acted as a recitation leader for mathematics courses, working in conjunction with a coordinating professor. Actively evaluated students' performance.

Publications

Raymond Barnett, Michael Ziegler, Karl Byleen and Dave Sobecki, *Analytic Trigonometry, 10th Edition*, John Wiley and Sons, to appear in 2008.

Raymond Barnett, Michael Ziegler, Karl Byleen and Dave Sobecki, *Precalculus: Graphs and Models, 3rd Edition*, McGraw-Hill Publishing, to appear in 2008.

Raymond Barnett, Michael Ziegler, Karl Byleen and Dave Sobecki, *College Algebra: Graphs and Models, 3rd Edition*, McGraw-Hill Publishing, to appear in 2008.

Dave Sobecki, *Student's Solutions Manual to Accompany Precalculus: Graphs and Models, 3rd Edition*, McGraw-Hill Publishing, to appear in 2008.

Dave Sobecki, *Student's Solutions Manual to Accompany College Algebra: Graphs and Models, 3rd Edition*, McGraw-Hill Publishing, to appear in 2008.

Dave Sobecki, *Instructor's Solutions Manual to Accompany Precalculus: Graphs and Models, 3rd Edition*, McGraw-Hill Publishing, to appear in 2008.

Dave Sobecki, *Instructor's Solutions Manual to Accompany College Algebra: Graphs and Models, 3rd Edition*, McGraw-Hill Publishing, to appear in 2008.

Raymond Barnett, Michael Ziegler, Karl Byleen and Dave Sobecki, *Precalculus with Limits*, McGraw-Hill Publishing, 2007. (Note: I wrote the limits chapter which was added to the book at the last minute, so my name does not appear among the authors.)

Rosemary Karr and Dave Sobecki, *Student's Solutions Manual to Accompany Precalculus With Math Zone*, McGraw-Hill Publishing, 2007.

Rosemary Karr and Dave Sobecki, *Instructor's Solutions Manual to Accompany Precalculus With Math Zone*, McGraw-Hill Publishing, 2007.

Dave Sobecki, *Instructor's Test Bank to Accompany Applied Calculus For Business, Economics, and the Social and Life Sciences, Expanded Ninth Edition (CD-ROM)*, McGraw-Hill Publishing, 2006.

Dave Sobecki, *Instructor's Test Bank to Accompany Applied Calculus For Business, Economics, and the Social and Life Sciences, Brief Ninth Edition (CD-ROM)*, McGraw-Hill Publishing, 2006.

Dave Sobecki, *Student's Solutions Manual to Accompany Precalculus: Graphs and Models, 2nd Edition*, McGraw-Hill Publishing, 2004.

Dave Sobecki, *Student's Solutions Manual to Accompany College Algebra: Graphs and Models, 2nd Edition*, McGraw-Hill Publishing, 2004.

Dave Sobecki, *Student's Solutions Manual to Accompany College Algebra With Trigonometry: Graphs and Models, 2nd Edition*, McGraw-Hill Publishing, 2004.

Dave Sobecki, *Instructor's Solutions Manual to Accompany Precalculus: Graphs and Models, 2nd Edition*, McGraw-Hill Publishing, 2004.

Dave Sobecki, *Instructor's Solutions Manual to Accompany College Algebra: Graphs and Models, 2nd Edition*, McGraw-Hill Publishing, 2004.

Dave Sobecki, *Instructor's Solutions Manual to Accompany College Algebra With Trigonometry: Graphs and Models, 2nd Edition*, McGraw-Hill Publishing, 2004.

David Sobecki, *A Characterization of Strongly Weakly Compactly Generated Banach Spaces*, Rocky Mountain Journal of Mathematics, **34** (4) (2004), 1503-1505.

Dave Sobecki, *Instructor's Test Bank to Accompany Elementary Algebra by Miller and O'Neill (CD-ROM)*, McGraw-Hill Publishing, 2003.

Dave Sobecki, *Instructor's Test Bank to Accompany Intermediate Algebra by Miller and O'Neill (CD-ROM)*, McGraw-Hill Publishing, 2002.

David Sobecki, *An Addendum To The Paper "On Hereditariness For Real And Complex Interpolation"*, Far East Journal of Mathematical Science, Special Volume (2001) Part I.

Brian Barnhart and Dave Sobecki, *Yes! You Can Master Ohio Math (Interactive CD-ROM)*, Proficient Publishing, 2000

Brian Barnhart and Dave Sobecki, *Yes! You Can Master Ohio Math (Teacher's Test Bank CD-ROM)*, Proficient Publishing, 2000

Dave Sobecki, *Writing Your Own Textbook*, AURCO Mathematics Journal: Proceedings of the 1999 Regional Campus Mathematics Conference (2000), 119-123.

Brian Barnhart and Dave Sobecki, *YES! You Can Pass The Ohio Twelfth Grade Math Proficiency Test!; The Solution Guide*, Proficient Publishing, 2000

N.L. Carothers, S.J. Dilworth and David Sobecki, *Splittings of Banach Spaces Induced By Clifford Algebras*, Proceeding of the American Mathematical Society **128** (5) (2000), 1347-1356.

Brian Barnhart and Dave Sobecki, *YES! You Can Pass The Ohio Twelfth Grade Math Proficiency Test!; The Non-Math Whiz Guide To Preparing For Test Day*, Proficient Publishing, 1999.

S.J. Dilworth and David Sobecki, *On Hereditariness For Real And Complex Interpolation*, Far East Journal of Mathematical Science **5** (1), 1997, 91 - 98.

Contributed Talks

"The Absolute Value of Teaching Math: Turning Negatives Into Positives", MAA Ohio Section Spring Meetings, April 2002.

“Can’t Find The Right Textbook? Write Your Own!” , 1999 Ohio Regional Campus Mathematics Conference, May 1999.

“Answers To The Questions We All Dread”, MAA/Project NExT Fall Meetings: October 1999. (INVITED)

“Splittings of Banach Spaces”, Miami University Analysis Seminar, April 1998.

“Splittings of l_p ”, Special Session on Functional Analysis, Ohio Section Meetings of the Mathematical Association of America, May 1995.

“Infinite Dimensional Spaces Are Really, Really Big”, Franklin and Marshall College - Millersville University joint mathematics colloquium, November 1996.

Contributions to Educational Excellence

MUH Teaching Award winner, 2006.

Overall teaching evaluation average is 3.81 on a scale of zero (very poor) to four (excellent). This encompasses 48 sections taught (1,164 separate evaluations) since Fall 1997. The lowest rating I’ve ever received was 3.48, and 32/48 have been 3.8 or higher.

Course coordinator for Math 101/102 since 1999

Initiated and wrote policy instituting prerequisites for Math 101, 102 and 125, and maintained responsibility for helping instructors enforce these prerequisites.

Organizations

Member, Mathematical Association of America