

Robert F. Murphy

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Professional Employment

2009-present	Instructor, Department of Mathematics, University of Illinois at Urbana-Champaign
2003-2009	Instructor, Department of Mathematics, University of South Carolina
1993-2003	Lecturer, Department of Mathematics, University of South Carolina

Education

2003	M.S. in Mathematics, University of South Carolina
1989	B.S. in Mathematics, University of Illinois-Urbana

Honors

2004	USC Outstanding Freshman Advocate Award (nominated)
2004	Two Thumbs Up Award, for positive impact on academic success of students with disabilities
2002	Fall 2002 Excellence Award, Patterson Hall (USC dorm)
2002	USC Guest Coach, academic enrichment of student athletes, Athletic Department
2002	Spring 2002 Excellence Award, Patterson Hall (USC dorm)
1997	USC Guest Coach, academic enrichment of student athletes, Athletic Department
1995	USC Freshman Advocacy Award (nominated)

Professional Memberships

American Mathematical Society, Mathematical Association of America, Pi Mu Epsilon

Teaching Activities

U of I Courses Taught:

Calculus (MATH 220); Theory of Arithmetic (MATH 103)

USC Courses Taught:

Mathematical Modeling for the Life Sciences; Discrete Mathematics for Computer Science; Calculus I; Calculus I (Honors); Calculus II; Calculus II (Honors); Calculus for Business Administration and Social Sciences; Calculus Workshop I; Calculus Workshop II; Basic Concepts of Elementary Mathematics I; Basic College Mathematics; Basic College Mathematics (online self-paced version)

USC Courses Supervised:

Calculus I (computer lab coordinator), Calculus II (computer lab coordinator)

Advising: Advisor for all freshman and transfer mathematics students (2003-2009)

Tutoring: Director of the Math Tutoring Center, which provides four on-campus locations with free tutoring for USC students

Workshops: Computer and graphing calculator programming with in-class workshops for students and faculty (1993-1997)

Calculus Reform: Member of calculus/computer lab committee (2003-2004). Member of calculus renovation committee (1993-1994). Organizer and participant for calculus discussion group (1993-2001, 2006)

Service Activities

2010 Volunteer, ICTM State Math Contest

1997-2008 Organizer and Chair of Committee, USC High School Math Contest

1995-2009 Webmaster, USC Department of Mathematics

2001-2006 Co-organizer, USC Showcase, Department of Mathematics display

2001-2005 Faculty Associate, Preston Residential College

1999-2009	Volunteer, AP Calculus Practice Test Day, USC
1999-2008	Judge, Annual Central South Carolina Region II Science and Engineering Fair, Columbia, SC
1997-2008	Local Team Organizer, Virginia Tech Regional Math Contest
1993-2008	Placement Examination Administrator, USC Department of Mathematics
2004-2005	Member of Calculus Textbook Committee to decide upon a new textbook and to integrate the textbook with the computer labs.
2004-2005	Member of Textbook Committee (for courses < math 300)
2004-2006	Peer Review of Teaching (to evaluate part-time instructors)
2002	Judge, USC Department of Mathematics Integration Bee
2001	Volunteer, American Mathematical Society Regional Meeting, University of South Carolina, Columbia, SC, March 16-18
2001	Co-organizer of Local Team and Proctor, 62 nd Annual William Lowell Putnam Mathematical Competition
1997-2000, 2003-2004	Department Presentation, USC Frontiers in Science and Mathematics
1996	Organizer, Department Multimedia Presentation for USC Visitor's Center

Meetings and Presentations

2005	Southeast Regional Meeting on Numbers, April 15-17, University of South Carolina, Columbia, SC (conference co-organizer and session chair)
2004	CLA InfoTech 2004, USC campus (attended)
2004	Southeast Regional Meeting on Numbers, April 16-18, College of Charleston, Charleston, SC (attended)
2003	CLA InfoTech 2003, May 12-14, USC campus (attended)
2002	CLA InfoTech 2002, May 13-15, USC campus (attended)

- 2001 Southeast Regional Meeting on Numbers, March 23-24, Furman University, Greenville, SC ; “Factorization of polynomials with small Euclidean norm” (contributed talk)
- 2001 American Mathematical Society Meeting, March 16-18, University of South Carolina, Columbia, SC; “Factorization of polynomials with small Euclidean norm,” (invited talk)
- 1999 Southeast Regional Meeting on Numbers, April 17-18, University of South Carolina, Columbia, SC (conference co-organizer)
- 1999 Southeast Regional Meeting on Numbers, April 17-18, University of South Carolina, Columbia, SC; “Forty-eight irreducibility theorems,” (invited talk)
- 1998 Southeast Regional Meeting on Numbers, May 2-3, University of North Carolina-Greensboro, Greensboro, NC (attended)
- 1998 77th Annual Meeting of the Southeastern Section of the Mathematical Association of America, March 13-14, College of Charleston, Charleston, SC (attended)
- 1997 76th Annual Meeting of the Southeastern Section of the Mathematical Association of America, March 13-15, Spelman College/Georgia Institute of Technology, Atlanta, GA (attended)
- 1996 Ninth Annual International Conference on Technology in Collegiate Mathematics, November 7-10, Reno, NV; co-presenter of 2-hour workshop, “Computer Algebra and the World Wide Web Across the Mathematics Curriculum” with M. Miller and D. Meade, both of USC
- 1996 USC Department of Mathematics Teaching Seminar, Jan. 23, Columbia, SC; “Calculus in Context,” co-presented with M. Miller, R. Howard, M. E. O’Leary
- 1995 USC Physics Department Colloquium, March 31, Columbia, SC; “The Calculus Reform Project at USC,” co-presented with M. E. O’Leary, M. Miller, R. Howard
- 1995 Southeast Regional Meeting on Numbers, College of Charleston, Charleston, SC (attended)
- 1993 Calculator Conference, Benedict College, Columbia, SC (invited talk)

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