Steve Warner
Curriculum Vitae

Department of Mathematics
Hofstra University
Hempstead, NY 11549

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Education

Rutgers University
Ph.D. in Mathematics, May, 2001
Advisor: Simon Thomas

The College of Staten Island
Bachelor of Science, *summa cum laude*, May, 1996

Refereed Publications

L.B. Warner, R.Y.Schorr, S Warner, *Allowing students to take the lead in mathematical investigations*, Annual Perspectives in Mathematics Education (refereed journal), (2014), 35-44

J. D. Hamkins, R. Miller, D. Seabold, S. Warner, *Infinite time computable model theory*, New Computational Paradigms: Changing Conceptions of What is Computable (refereed journal), Cooper, S.B.; Löwe, Benedikt; Sorbi, Andrea (Eds.), 2007, Hardcover, ISBN: 0-387-36033-6.

The cofinality of the saturated uncountable random graph, Archive for Mathematical Logic (refereed journal), **43**, (2004), 665-679

The cofinality of the random graph, Journal of Symbolic Logic (refereed journal) (3), **66**, (2001), 1439-1446.

Other Publications

The Scholarly Unicorn's SAT Math Advanced Guide, 2018, ISBN: 0999811703
28 ACT math lessons to improve your score in one month - Beginner Course, 2017, ISBN: 1978215177
28 ACT math lessons to improve your score in one month - Intermediate Course, 2017, ISBN: 1976475635
28 ACT math lessons to improve your score in one month - Advanced Course, 2017, ISBN: 1542964709
320 SAT math problems arranged by topic and difficulty level, 2nd Edition, 2016, ISBN: 1536869562 320
AP calculus BC problems arranged by topic and difficulty level, 2nd Edition, 2016, ISBN: 1534770038 320
AP calculus AB problems arranged by topic and difficulty level, 2nd Edition, 2016, ISBN: 1534631119
320 GRE math problems arranged by topic and difficulty level, 2016, ISBN: 1532789246
320 ACT math problems arranged by topic and difficulty level, 2nd Edition, 2016, ISBN: 0578077574
28 New SAT math lessons to improve your score in one month – Beginner Course, 2016, ISBN: 152334184X
28 New SAT math lessons to improve your score in one month - Intermediate Course, 2015, ISBN: 1522856714
28 New SAT math lessons to improve your score in one month - Advanced Course, 2015, ISBN: 1519617372
New SAT math problems arranged by topic and difficulty level, 2015, ISBN: 1511878185
320 AP calculus BC problems arranged by topic and difficulty level, 2015, ISBN: 1507762429
320 AP calculus AB problems arranged by topic and difficulty level, 2014, ISBN: 1503162915
320 SAT math subject test problems arranged by topic and difficulty level – level 1, 2014, ISBN: 1500433640
320 SAT math subject test problems arranged by topic and difficulty level – level 2, 2014, ISBN: 1499396678
ACT prep red book, 2013, ISBN: 1494253879
SAT prep official study guide math companion, 2013, ISBN: 1490435301
28 SAT math lessons to improve your score in one month – Beginner Course, 2013, ISBN: 1482305763
28 SAT math lessons to improve your score in one month - Advanced Course, 2012, ISBN: 1481019333
28 SAT math lessons to improve your score in one month - Intermediate Course, 2012, ISBN: 1479284122
320 SAT math problems arranged by topic and difficulty level, 2012, ISBN: 1470002310
The 32 most effective SAT math strategies, second edition, 2012, ISBN: 1468131915
The 32 most effective SAT math strategies, 2011, ISBN: 1460925769

Work in Progress

A model of set theory with universal comprehension, joint work with Stefan Waner

Research Interests

Independence proofs in set theory; descriptive set theory; model theory; infinite group theory; recursion theory.

Refereed Papers

The London Mathematical Society (2003)

Professional Experience

Associate Professor of Mathematics, Hofstra University, Fall 2007 – present
Assistant Professor of Mathematics, Hofstra University, Fall 2002 – Spring 2007
Assistant Professor of Mathematics, Penn State Berks, Fall 2001 – Spring 2002
Instructor, Rutgers University, Summer 1999
Adjunct Lecturer, The College of Staten Island, Fall 1999 – Spring 2000
Teaching Assistant, Rutgers University, Fall 1997 – Spring 2000

Curriculum Development for SAT Prep Course, Essex Tutoring, Fall 2013 – Spring 2014
Online SAT Math Prep Tutor, Essex Tutoring, Fall 2013 – Spring 2014
ACT Math and Science Prep Tutor, Summer 2005 – present
SAT Math Prep Tutor, Fall 2000 – present
Private Math Tutor, Fall 1990 – present

Courses Taught:

Hofstra University
Advanced Calculus II (Math 172, Spring 2014), Explorations In Mathematics (Math 30B, Spring 2014), Abstract Algebra (Math 145, Spring 2013), Introduction to Higher Mathematics (Math 114, Fall 2012, Spring 2013, Spring 2016, Spring 2017), Real Numbers and College Algebra (Math 6A, Summer 2012, Spring 2013), Calculus II (Math 72, Summer 2012, Summer 2013), Logic and Probability (Math 45, Spring 2012), Advanced Calculus I (Math 171, Fall 2011, Fall 2013, Fall 2015), Graduate Linear Algebra (Math 211, Fall 2011), Problem Solving (Math 107, Fall 2011, Fall 2013), Graduate Complex Analysis (Math 173/223, Spring 2011), Mathematical Excursions Honors (Math 30AH Fall 2010, Fall 2011), Calculus III (Math 73, Spring 2009, Spring 2010, Spring 2014, Fall 2015, Spring 2016, Spring 2017, Fall 2017) Graduate Set Theory (Math 198L/202 Fall 2008), Graduate Abstract Algebra (Math 212A, Spring 2008, Fall 2010), Precalculus (Math 50, Spring 2007, Spring 2011, Spring 2012, Fall 2012, Spring 2013, Fall 2013, Summer 2014, Spring 2016, Fall 2017), Linear Math and Matrices (Math 40, Fall 2006, Fall 2007, Spring 2007, Spring 2008, Spring 2009, Fall 2009, Spring 2010, Fall 2010), Mathematical Excursions (Math 30A, Summer 2006, Fall 2006, Spring 2009, Fall 2010, Fall 2011, Fall 2012), Calculus I (Math 61, Summer 2006, Fall 2009, Summer 2010, Spring 2011), Precalculus (Math 11, Spring 2005, Spring 2006, Fall 2008), Calculus I (Math 10, Summer 2005), Calculus II (Math 20, Spring 2005), Advanced Engineering Math II (Math 144, Spring 2004, Spring 2007), Calculus III (Math 29, Fall 2002), Calculus I (Math 10E, Fall 2002, Spring 2004), Linear Algebra (Math 135A, Spring 2003, Fall 2004, Fall 2006, Spring 2008), Linear Math and Matrices (Math 9, Spring 2003, Fall 2005), Graduate Mathematical Logic (Math 202A, Summer 2003, Fall 2005), Advanced Engineering Math I (Math 143, Fall 2003, Fall 2004, Fall 2007, Spring 2010, Summer 2010, Spring 2014), Mathematical Excursions (Math 12, Fall

2003, Spring 2004, Fall 2004, Spring 2006, Fall 2007, Fall 2008, Spring 2008), Graduate Ordinary Differential Equations (Math 261A, Fall 2003), Differential Equations (Math 131, Fall 2017)

Penn State Berks
Calculus II (Spring 2002), Calculus I (Fall 2001)

The College of Staten Island
Precalculus (Spring 2000), Algebra and Trigonometry (Fall 1999)

Rutgers University
Calculus I (Summer 1999), Calculus Recitations and Workshops (Fall 1997-Spring 2000)

Private Tutoring:

K-12, SAT Preparation, ACT Preparation, Regents Preparation, AP Calculus Preparation, SAT Math Subject Test Preparation (Level 1 and 2), GRE Preparation, GMAT Preparation, College Courses (Algebra, Trigonometry, Precalculus, Calculus 1, Calculus 2, Calculus 3, Differential Equations, Finite Math, Discrete Math, Advanced Engineering Mathematics, Differential Equations, Linear Algebra, Set Theory, Mathematical Logic, Probability, Statistics, Abstract Algebra, Real Analysis, Complex Analysis, Topology), Graduate Courses (Abstract Algebra, Linear Algebra, Real Analysis, Mathematical Logic, Set Theory, Ordinary Differential Equations)

Talks

Infinite time computable model theory, Bonn International Workshop on Ordinal Computability (2007)
The supremum of the clockable and writable ordinals is the same, Set theory seminar at the CUNY graduate center (2007)
Infinite time computable model theory, Hofstra university mathematics seminar (2006)
Infinite time computable model theory, CUNY logic workshop (2006)
Inconsistent sentential logic, Science Research Symposium at Hofstra University (2005)
*A logic of inconsistency – sentential calculus***,** CUNY logic workshop (2004)
*The cofinality spectrum of the random graph***,** CUNY logic workshop (2003)
The cofinality of the random graph, Hofstra university mathematics seminar (2002)
The cofinality of the saturated uncountable random graph, CUNY logic workshop (2001)
The cofinality of arithmetically saturated models of peano arithmetic, CUNY logic workshop (2000)
The cofinality of the random graph, Special session in set theory – Mid Atlantic Mathematical Logic Conference, NYC (1999)
Derivation towers of lie algebras, Rutgers graduate seminar (1999)
The cofinality of the random graph, CUNY logic workshop (1999)
The cofinality of the random graph, Rutgers logic seminar (1999)
Model Theory, Rutgers graduate seminar (1998)
The cofinality of the rational world, Rutgers logic seminar (1998)
Recursion Theory, Rutgers graduate seminar (1998)

Conferences Organized

MAMLS Conference at Hofstra University on March 16, 2004 organized with Daniel Seabold

Professional Activities

Participant in a five year NSF grant, "The MSTP Project", to study and improve mathematics and science curriculum in poorly performing junior high schools (Fall 2003 to Spring 2008)

Service at Hofstra

Curriculum Committee (Hofstra University, Fall 2017 – Spring 2018)
DPC Committee, Chair (Hofstra University, Fall 2016 – Spring 2017) Committee to Analyze Calculus Sequence (Hofstra University, Spring 2014-Fall 2015)
Judge at Greater Metropolitan New York Math Fair (Brooklyn Technical High School, Spring 2014)
Committee to Analyze IB Exams (Hofstra University, Fall 2012)
Department Chair (Hofstra University, June 2012)
DPC Committee (Hofstra University, Fall 2011 – Spring 2012, Fall 2013 – Spring 2016)
Committee to Revise Precalculus Syllabus, Chair (Hofstra University, Fall 2011)
Stessin Prize Committee for the Natural Sciences/Mathematics.Computer Science (Hofstra University, Spring 2011)
Committee to Analyze AP Calculus Exams (Hofstra University, Fall 2010)
Behailu Mammo's Tenure Committee (Hofstra University, Fall 2010)
Committee to Revise the Math Major, Chair (Hofstra University, Fall 2009)
Worked with high school student as mentor (Fall 2007 – Spring 2008).
DPC Committee, Chair (Hofstra University, Fall 2007 – Spring 2008)
Executive Committee (Hofstra University, Fall 2006 – Spring 2007)
Curriculum Proposals Committee, Chair (Hofstra University, Fall 2006 – Spring 2007)
Curriculum Proposals Committee (Hofstra University, Fall 2004 – Spring 2006)
Committee on Renumbering Math Courses, Chair (Hofstra University, Fall 2004)
Prerequisite Committee (Hofstra University, Spring 2003)
Five-Year Plan Committee (Hofstra University, Fall 2002)
Levels of Infinity, a talk given to the AP Calculus class at Hillcrest High School to represent Hofstra University (2003)

Honors and Awards

Rutgers University
Rutgers University Dissertation Fellowship (Fall 2000)
TA Teaching Excellence Award (Fall 1999)

The College of Staten Island
Deans List (1992-1996)
Presidential Scholarship Award (1992-1996)
Mathematics Scholarship Award (1993, 1995)

The College of Staten Island Lion's Club of Central Staten Island Scholarship Award (1993)
Faculty Scholarship Award (1995)
Phillipine/American Civic Cultural Community of Staten Island Scholarship Award (1995-1996)
Phi Beta Kappa Associates Award (1996)
Dr. WH Leaky Award (1996)