A.S. RAPINCHUK

Curriculum Vitae

FULL NAME: Rapinchuk Andrei Stepanovich

DATE OF BIRTH: August 2, 1960

PLACE OF BIRTH: Minsk, Belarus (former USSR)

CITIZENSHIP: United States

MAILING ADDRESS: Department of Mathematics
                    University of Virginia
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EMPLOYMENT

2018 (spring) - Member, the Institute for Advanced Study (Princeton)

2017 (fall) - Visiting Fellow, Princeton University

2014 -pr. - McConnell-Bernard Professor of Mathematics, University of Virginia (Charlottesville, USA)

2013 - Visiting Professor, Yale University

2011 (fall) - Gehring Visiting Professor, University of Michigan

2005 (fall) - Member, the Institute for Advanced Study (Princeton)

2000-2014 - Full Professor, University of Virginia (Charlottesville, USA)

1996-00 - Associate Professor, University of Virginia (Charlottesville, USA)

1995-96 - Visiting Professor, University of Virginia (Charlottesville, USA)

1994-95 - Research Fellow at the University of Bielefeld (Germany) sponsored by the Alexander von Humboldt Foundation

1992-94 - Visiting Associate Professor, University of Michigan (Ann Arbor, USA)

1992 - Full Professor at the Byelorussian State University (Minsk, Belarus; 0.25 fraction)

1983-91 - Associate Professor at the Byelorussian State University (Minsk, Belarus; 0.25 fraction)

1991-95 - Leading Research Fellow, Institute of Mathematics, Academy of Sciences of Belarus (Minsk, Belarus)

1985-91 - Senior Research Fellow, Institute of Mathematics, Academy of Sciences of Belarus (Minsk, Belarus)

1980-85 - Junior Research Fellow, Institute of Mathematics, Academy of Sciences of Belarus (Minsk, Belarus)

Degrees, Awards and Honors

1980 - Master Degree (with honors), Byelorussian State University (Minsk, former USSR)

1982 - Candidate Degree (Ph.D. in the former USSR) Thesis "The number of classes in the genus and algebraic groups" (adviser - V.P. Platonov) Presented to the Institute of Mathematics of the Academy of Sciences of the BSSR (Minsk)

1984 - Prize of the League of Young Researchers of Belarus for a series of papers on the class number of algebraic groups

1989 - Prize of the Department of Mathematics of the Academy of Sciences of the USSR for a series of papers on the congruence subgroup problem for algebraic groups

1990 - Diploma of a Senior Research Associate. Awarded by the Presidium of the Academy of Sciences of the USSR

1990 - Doctorate Degree (second Ph.D. in the former USSR, equivalent to Habilitation in Germany). Thesis "The congruence subgroup problem for algebraic groups". Presented to the Institute of Mathematics of the Academy of Sciences of the BSSR (Minsk). Degree confered by the Highest Certification Commission of the USSR

1994 - Humboldt Fellowship for 1994/95 awarded by the Alexander von Humboldt Foundation (Bonn, Germany)

1995 - Grant from the International Science (Soros) Foundation

1997 - NSF grant DMS-9700474 for 1997-99

1998 - Grant from the BSF USA-Israel for 1998-2001 (with M. Aschbacher, G. Prasad, Y. Segev and G. Seitz)

1999 - NSF grant DMS-9970148 for 1999-2002

2001 - Grant from the BSF USA-Israel for 2001-2004 (with G. Prasad, Y. Segev and G. Seitz)

2002 - NSF grant DMS-0138315 for 2002-2005

2003 - Humboldt Senior Research Award, awarded by the Alexander von Humboldt Foundation (Bonn, Germany)

2004 - Grant from BSF USA-Israel for 2005-2008 (with G. Prasad, Y.Segev and L. Rowen)

2005 - NSF grant DMS-0502120 for 2005-2011

2005 - Membership at the Institute for Advanced Study (Princeton), Fall semester

2010 - NSF grant DMS-1034750 for the workshop "Arithmetic Groups and Their Applications in Combinatorics, Geometry and Topology"

2010 - NSF grant DMS-0965758 for 2010-2013

2010 - Gehring Visiting Professorship at the Mathematics Department of the University of Michigan

2011 - Grant from BSF USA-Israel N 2010149 for 2011-2014 (with L. Rowen, D. Saltman, L. Small, U. Vishne)

2013 - Visiting Professorship at Yale University

2013 - Invitation to deliver a 45 min talk at the ICM-2014 in Seoul, section "Algebra"

2013 - NSF grant DMS-1301800 for 2013-2016

2014 - AMS travel grant to attend ICM-2014

2014 - Fellow of the AMS

2016 - NSF grant DMS-1660462 for the workshop "Elliptic curves, torsors and L-functions"

2016 - Simons Fellowship in Mathematics for AY 2017-18

Invited talks

1. Talk "On some biregular automorphism of the underlying varieties of algebraic groups" All-Union Student's Research Conference (Novosibirsk, former USSR, 1980)

2. Talk "Class numbers of quadratic forms and algebraic groups" All-Union Algebraic Conference (Leningrad, former USSR, 1981)

3. Short communication "Class numbers of algebraic groups" ICM-83 (Warsaw, Poland, 1983)

4. Talk "Normal subgroup structure of $SL(1, D)$ and the Hasse norm principle" All-Union Algebraic Conference (Minsk, former USSR, September 1983)

5. Plenary talk "Metaplectic kernel for some anisotropic groups" All-Union Algebraic Conference (Kishenev, former USSR, September 1985)

6. Talk "The congruence subgroup problem for algebraic groups" Algebraic Semester in the Banach Center (Warsaw, Poland, May 1988)

7. Talk "The congruence subgroup and metaplectic problems for algebraic groups" International conference on "Automorphic Forms and Their Applications" (Khabarovsk, former USSR, June 1988)

8. Talk "The congruence subgroup problem for algebraic groups and strong approximation in affine varieties" Soviet-Indian Symposium "Algebraic groups and Lie Algebras" (Alma-Ata, former USSR, April 1989)

9. A set of talks (3) on "Arithmetic groups" Symposium on Group Theory (Omsk, former USSR, September 1990)

10. Talk "Groups with bounded generation in algebra and arithmetic" Indo-Soviet conference on "Geometry" (Bombay, India, January 1991)

11. A set of talks (3) on the multiplicative structure of division algebras over number fields (Tata Institute of Fundamental Research, Bombay, India, January 1991)

12. Talk "Normal subgroup structure of the groups of rational points of algebraic groups over number fields" Soviet-American Symposium "Algebraic Groups and Related Number Theory" (Minsk, former USSR, May 1991)

13. One of the main one-hour lectures "The congruence subgroup problem for algebraic groups: old and new" Conference "Journées Arithmetiques - 91" (Geneva, Switzerland, September 1991)

14. Seminar talk "The congruence subgroup property for arithmetic groups with bounded generation" (University of Bielefeld, June 1992)

15. Seminar talk "Groups with bounded generation" (University of Michigan, October 1992)

16. Talk "Representation varieties for the fundamental groups of compact orientable surfaces" Workshop "Varieties of Representations of Finitely Generated Groups and Platonov's Conjecture" (University of Oklahoma, Norman, December 1992)

17. A set of talks (3) on "The congruence subgroup problem" (University of Chicago, March 1993)

18. Seminar talk "Geometric representation theory for the fundamental groups of compact orientable surfaces" (University of Chicago, March 1993)

19. Seminar talk "The congruence subgroup problem for algebraic groups" (Princeton University, May 1993)

20. Seminar talk "Representation varieties of finitely generated groups" (University of Michigan, March 1994)

21. Colloquium talk "Computation of the metaplectic kernel" (University of Bielefeld, Germany, January 1995)

22. Talk "Metaplectic kernel for algebraic groups over global fields" Conference on "Algebraic Groups" (Oberwolfach, Germany, April 1995)

23. Colloquium talk "Representation varieties of finitely generated groups" (University of Eichstät, Germany, May 1995)

24. Talk "The normal subgroup structure of $SL(1, D)$ and the classification of finite simple groups" Special Group Theory Session of the Joint AMS–IMU Meeting (Jerusalem, Israel, June 1995)

25. Talk "Computation of the metaplectic kernel" Workshop "Discrete Subgroups of Lie Groups" (Hebrew University of Jerusalem, Israel, June 1995)

26. Talk "Some rationality problems for the representation varieties of finitely generated groups" Euroconference "Linear Algebraic Groups and Related Structures" (Bielefeld, Germany, July 1995)

27. Colloquium talk "The congruence subgroup and metaplectic problems" (University of Geneva, Switzerland, November 1995)

28. Seminar talk "Representation varieties for the fundamental groups of compact orientable surfaces" (University of Geneva, Switzerland, November 1995)

29. Seminar talk "Computation of the metaplectic kernel" (Ohio-state University, January 1996)

30. Special talk "Geometric representation theory" (Ohio-state University, January 1996)

31. Colloquium talk "Representation varieties of finitely generated groups" (University of Virginia, February 1996)

32. Seminar talk "Representation rigidity of finitely generated groups" (Yale University, April 1997)

33. Talk "The congruence subgroup problem" Conference dedicated to the 65-th birthday of Hyman Bass (Columbia University, November 1997)

34. Seminar talk "The congruence subgroup and metaplectic problems for algebraic groups" (ETH Zürich, Switzerland, November 1998)

35. Colloquium talk "Normal subgroups of the multiplicative group of a division algebra" (Yale University, October 1999)

36. Seminar talk "Strong approximation in tori and the congruence subgroup problem" (Yale University, October 1999)

37. Colloquium talk "Normal subgroups of the multiplicative group of a division algebra" (Columbia University, December 1999)

38. Talk "Normal subgroups of the multiplicative group of a finite dimensional division algebra, and valuations," Special session on Reductive Groups, Joint India-AMS Meeting (Bangalore, December 2003)

39. Talk "Normal subgroups of the multiplicative group of a division algebra, and valuations," Workshop "Linear Algebraic Groups and Quadratic Forms (Eilat, Israel, February 2004)

40. Colloquium talk "Normal subgroups of the multiplicative group of a division algebra, and valuations," Yale University, February 2005

41. Two special lectures on the congruence subgroup problem, Yale University, February 2005

42. Talk "On centrality of the congruence kernel," Special Session on "Arithmetic Groups and Related Topics," AMS meeting in Delaware, April 2005

43. Talk "The congruence subgroup problem," New York Group Theory Seminar, CUNY - Graduate Center, December 2005

44. Talk "Normal subgroups of the multiplicative group of a finite dimensional division algebra, and valuations," Institute for Advanced Study, December 2005

45. Talk "p-adique techniques in the theory of real Lie groups," Lie group seminar, Rutgers University, October, 2006

46. Talk "Normal subgroups of the multiplicative group of a finite dimensional division algebra, and valuations," University of Bielefeld, July 2007

47. Talk "Weakly commensurable arithmetic subgroups, lengths of closed geodesics and isospectral locally symmetric spaces," Conference in honor of E.B. Vinberg, Bielefeld, July 2007

48. Talk "Normal subgroups of the multiplicative group of a finite dimensional division algebra, and valuations," Algebra seminar, University of Cambridge, November 2007

49. Plenary lecture "Number-theoretic techniques in the theory of Lie groups and differential geometry," 4th International Congress of Chinese Mathematicians, Hangzhou, December 2007 (our joint talk with G. Prasad was physically delivered by Lizhen Ji)

50. Talk "Local-global principles for embeddings of fields into simple algebras," Workshop "Lie groups, algebraic groups and transformation groups," Bielefeld, July 2008

51. Plenary talk "Weakly commensurable arithmetic subgroups, lengths of closed geodesics and isospectral locally symmetric spaces," XX Escola de Algebra, Rio de Janeiro (Brazil), August 2008

52. Talk "p-adic techniques in the theory of Lie groups and differential geometry," Conference on Profinite Groups, E. Schrödinger Institute, Vienna, December 2008

53. Talk "On almost 1-generation of the congruence kernel," Workshop on the congruence subgroup problem, E. Schrödinger Institute, Vienna, December 2008

54. Talk "Weakly commensurable arithmetic groups, with applications to locally symmetric spaces," Special session on Group Actions and Homogeneous Spaces, AMS Annual meeting in Washington, DC, January 2009

55. Colloquium talk "Weakly commensurable arithmetic groups and isospectral locally symmetric spaces," Yale University, March 2009

56. Two lectures on groups with bounded generation, Yale University, March 2009

57. Talk "On groups with bounded generation," Special session on Arithmetic and Profinite Groups, AMS meeting at PennState, October 2009 (my talk was physically delivered by my former student Igor Erovenko)

58. Talk "On division algebras having the same maximal subfields," Workshop "Lie Groups and Algebraic Groups," Bielefeld, July 2010

59. Seminar talk "On division algebras having the same maximal subfields," Algebra and Number Theory Seminar, Emory University, February 2011

60. Talk "On division algebras having the same maximal subfields," Conference "Ramification in Algebra and Geometry," Atlanta, May 2011

61. Talk "Weakly commensurable arithmetic groups and locally symmetric space," Durham Symposium on "Geometry and Arithmetic of Lattices," (two 1-hour lectures), Durham (UK), July 2011

62. Colloquium talk "On division algebras having the same maximal subfields," University of Michigan, September 2011

63. Talk "What is ... a group with bounded generation," "What is ... ?" seminar, University of Michigan, September 2011

64. Colloquium talk "Number-theoretic techniques in the theory of Lie groups and differential geometry," CRM colloquium, University of Ottawa, September 2011

65. Talk "On division algebras having the same maximal subfields," Algebra seminar, University of Ottawa, October 2011

66. Talk "$SL_3(\mathbb{C}[x])$ does not have bounded generation," Group theory, number theory and Lie theory seminar, University of Michigan, October 2011

67. Talk "On the congruence subgroup problem," Geometry seminar, University of Michigan, December 2011

68. Talk "Weakly commensurable S-arithmetic subgroups in simple algebraic groups of types B_n and C_n," Special session on Linear Algebraic Groups, Their Arithmetic, Geometry, and Representations, 2012 Joint Mathematics Meeting, Boston, January 2012

69. Talk "On groups with bounded generation," Graduate seminar, University of Texas at Austin, January 2012

70. Colloquium talk "Number-theoretic techniques in the theory of Lie groups and differential geometry," University of Texas at Austin, January 2012

71. Talk "On division algebras having the same maximal subfields," Algebra, Number Theory and Combinatorics seminar, University of Texas at Austin, January 2012.

72. Talk "On strong approximation for Zariski-dense subgroups," the MSRI Hot Topics Workshop "Thin Groups and Super-strong Approximation," Berkeley, February 6-10, 2012.

73. Talk "Weakly commensurable groups, with applications to differential geometry," Conference "Groups – 2012" (in honor of B. Fischer's 75th birthday), Bielefeld (Germany), March 12-16, 2012.

74. Talk "Weakly commensurable groups, with applications to differential geometry," Conference "Group actions and applications in geometry, topology and analysis," Kunming (China), July 21-29, 2012.

74. Talk "Weakly commensurable groups, with applications to differential geometry," Lie Group seminar, Cornell University, September 2012.

74. Colloquium talk "Weakly commensurable groups, with applications to differential geometry," Temple University, October 2012.

75. Two talks on "Strong approximation in algebraic groups," Seminar on Shimura varieties (Yale University, February 2013)

76. Talk "On the congruence subgroup problem," Workshop on "Arithmetic Groups" (Banff, April 2013)

77. Talk "On division algebras having the same maximal subfields," Spring school and workshop on Torsors, Motives and Cohomological Invariants (Fields Institute, Toronto, May 2013)

78. Talk "The genus of a division algebra and ramification," Conference on Torsors, Motives and Cohomological Invariants (Fields Institute, Toronto, June 2013)

79. Colloquium talk "Weakly commensurable groups," Vanderbilt University, October 2013

80. Talk "Towards the eigenvalue rigidity of Zariski-dense subgroups," Dynamics of Group Actions seminar, Yale University, November 2013

81. Special colloquium "Arithmetic Groups," Vanderbilt University, January 2014

82. Talk "On algebraic groups with the same tori," Workshop on Algebraic and Geometric Invariants of Linear Algebraic Groups and Homogeneous Spaces," University of Ottawa, May 2014

83. Talk "On algebraic groups with the same tori," Conference "Structure of algebraic groups," University of Lyon, France, June 2014

84. Invited talk "Towards the eigenvalue rigidity of Zariski-dense subgroups," ICM-2014, section "Algebra," Seoul, August 2014

85. Talk "On algebraic groups with the same tori," AMS meeting in Huntsville, AL, Special session on "Quadratic Forms in Arithmetic and Geometry," March 2015

86. Talk "Hearing the shape of a locally symmetric space and arithmetic groups," Workshop on Generalizations of Symmetric Spaces, Nachsholim (Israel), June 2015.

86. Colloquium talk "Hearing the shape of a locally symmetric space and arithmetic groups," Wesleyan University, March 2016.

87. Talk "On algebraic groups with the same tori," ABC Algebra Workshop, University of Alberta (Edmonton, Canada), October 2016.

88. Talk "Eigenvalue rigidity and hearing the shape of a locally symmetric space," 20th Midrasha Mathematicae "60 Faces to Groups," Israeli Institute for Advanced Studies, Jerusalem, Israel, November 2016.

89. Talk "On the notion of genus for division algebras and algebraic groups," Advances in Noncommutative Algebra and Representation Theory, Bar Ilan University, Israel, June 2017.

90. Talk "On the notion of genus for division algebras and algebraic groups," Lie Theory, Cohomology and Geometry in Wildrose Country, University of Alberta, Edmonton, Canada, August 2017.

91. Talk "On the notion of genus for division algebras and algebraic groups," Joint Number Theory Seminar, Princeton University/Institute for Advanced Study, November 2017.

92. Talk "On the notion of genus for division algebras and algebraic groups," Galois Seminar, University of Pennsylvania, February 2018.

93. Talk "Algebraic Groups with Good Reduction," Conference on "Arithmetic and Automorphic Forms" on the occasion of Günter Harder's 80th birthday, Max-Planck Institute (Bonn), March 2018.

94. Lectures (10 hours) on "Strong approximation for algebraic groups," Trimester "Algebraic Groups and Geometrization of the Langlands Program," Lyon, May 2018.

95. Talk "On the congruence subgroup problem," Glances@Manifolds 2018, Jagiellonian University, Krakow (Poland), July 2018.

96. Mini-course (4 lectures) "Arithmetic and Zariski-dense subgroups: weak commensurability, eigenvalue rigidity and applications to locally symmetric spaces," Glances@Manifolds 2018, Jagiellonian University, Krakow (Poland), July 2018.

97. Talk "Eigenvalue rigidity and groups with good reduction," Special session on "Spectral Geometry: The Length and Laplace Spectra of Riemannian Manifolds," AMS meeting at the University of Hawaii (Honolulu), March 2019.

98. Mini-course (6 hours) on "Weakly commensurable Zariski-dense subgroups and their applications to differential geometry," KIAS (Seoul, South Korea), April 2019.

99. Talk "Algebraic Groups with Good Reduction," Topology, Algebraic Geometry and Dynamics Seminar, George Mason University, September 2019.

100. Colloquim talk "Hearing the shape of a locally symmetric space and arithmetic groups," George Mason University, September 2019.

101. Talk "Eigenvalue rigidity for Zariski-dense subgroups," Workshop on "Discrete Subgroups of Lie Groups," Banff, December 2019.

102. Talk "On the notion of genus for division algebras and algebraic groups," Amitsur Symposium, Israel, June 2020.

103. Talk "Prasad's work on the congruence subgroup problem," ICTS Bangalore, India, July 2020.

104. Talk "Groups with bounded generation: old and new," Algebra seminar, University of Brasilia, Brazil, April 2021.

105. Talk "Groups with bounded generation: old and new," Number Theory seminar, Princeton University/IAS, May 2021.

106. Talk "Groups with bounded generation: old and new," Algebraic Groups seminar, St. Petersburgh, Russia, May 2021.

Conferences organized

In 2005, I co-organized (with Alex Lubotzky) a special session on "Arithmetic Groups and Related Topics" at the AMS meeting at the University of Delaware (April 2-3)

In 2010, I co-organized (with Mikhail Ershov) the workshop "Arithmetic Groups and Their Applications in Combinatorics, Geometry and Topology" (UVA, April 15-18)

In 2011, I co-organized (with K.-U. Bux, G.A. Margulis, G. Prasad and G.A. Soifer) the conference "Transformation Groups and Associated Geometric Structures" (Bielefeld, June 2-5, 2011).

In 2013, I co-organized (with K-U. Bux, D. Morris, G. Prasad) the workshop on "Arithmetic Groups" (Banff, April 14-19, 2013).

In 2014, I co-organized (with L. Rowen and U. Vishne) a special session on "Algebraic Groups, Division Algebras, and Galois Cohomology" at the second joint meeting of AMS-IMU (Bar Ilan and Tel-Aviv Universities, Israel, June 2014).

In 2015, I co-organized (with G. Prasad and A. Reid) a 5-day workshop on "Zariski-dense subgroups" at IPAM (UCLA), February 2015.

In 2017, I co-organized (with A. Obus and L. West) a workshop on "Elliptic Curves, Torsors, and L-functions" at UVA, March 2017.

In 2019, I co-organized (with R. Parimala and I. Rapinchuk) a special session on "Algebraic Groups, Galois Cohomology, and Local-Global Principles" at the AMS meeting in Honolulu, HI, March 2019.

In 2020, I co-organized (with D. Nakano and W. Wang) a workshop "Representations of Algebraic Groups and Quantum Groups," Charlottesville, VA, March 2020

In 2020, I co-organized (with R. Parimala and I. Rapinchuk) a special session on "Algebraic Groups: Arithmetic and Geometry" at the AMS meeting in Charlottesville, VA, March 2020 - postponed.

In 2020, I am co-organized (with G. Prasad, B. Sury and A. Tralle) a program on "Zariski-dense subgroups and number-theoretic techniques in Lie groups and geometry" at the ICTS (Bangalore, India), April 2020 - postponed.

Graduate Students

Alexander Potapchik (PhD 1995, University of Bielefeld); students at UVA: Andrew Booker (M.Sc., 1998), Igor Erovenko (PhD, 2002), Chiru Bhattacharya (PhD, 2003), Brian Kapp (PhD, 2008), Achilleas Pitsillides (PhD, 2009), Tim Woodcock (PhD, 2010), Tim Pollio (PhD, 2013), Andrea Heald (PhD, 2013), Josh Schwartz (PhD, 2015), Aleksander Morgan (2019).

Administrative Duties at UVA

1996-97 - member of the Putnam Mathematical Competition committee of the Department

1997-99 - chair of the colloquium committee of the Department

1998-01 - member of the hiring committee, equal opportunity officer of the Department

1998 - member of the *ad hoc* committee searching for a new chairman of the Department

2002-03 - member of the committee on revision of the graduate program

2003 - chair of the *ad hoc* committee for promotion of Peter Abramenko

2006 - chair of the *ad hoc* committee for 3rd year review of Kai-Uwe Bux

2007-08 - member of the Steering and of the Faculty Review (Salary) Committees of the department, chair of the Lower Division Undergraduate Committe

2008-09 - member of the Steering and of the Faculty Review (Salary) Committees of the department, chair of the Lower Division Undergraduate Committee, chair of the *ad hoc* committee for the promotion of Peter Abramenko

2009-10 - chair of the Lower Division Undergraduate Committee, chair of the *ad hoc* committee for the 3rd year review of Mikhail Ershov

2010-11 - chair of the Lower Division Undergraduate Committee, chair of the *ad hoc* committee for the promotion of Mikhail Ershov, co-chair of the Hiring Committee

2011-12 - chair of the Lower Division Undergraduate Committee

2012 - Math major adviser

2014-15 - chair of the Institute of Mathematical Sciences committee, member of the postdoc hiring committee, math major adviser

2015-16 - chair of the Institute of Mathematical Sciences committee, leader of the group on the Distinguished Major Program, chair of the 3rd year review committee for Andrew Obus, member of the Peer Review Committee, math major adviser

2016-17 - chair of the Institute of Mathematical Sciences committee, leader of the group on the Distinguished Major Program, co-chair of the hiring committee, chair of the promotion committee for Mikhail Ershov, math major adviser

2017-18 - chair of the Institute of Mathematical Sciences committee

2018-19 - chair of the IMS committee, chair of the departmental P&T for promotion of Thomas Koberda to tenure, co-chair of the hiring committee, member of the planning committee, member of the peer review committee

2019-20 - chair of the IMS committee, member of the peer review committee

2020-21 - chair of the IMS committee

Courses taught

2020-2021 - Fall: Research leave, Spring: Algebraic Geometry (Theory of Schemes)

2019-2020 - Fall: Bilinear Forms and Groups Representations, Algebraic Geometry (derived categories), Spring: Introduction to Mathematical Research

2018-2019 - Fall: Advanced Linear Algebra, Algebraic Geometry (the theory of sheaves), Spring: Complex Variable

2017-2018 - Research leave

2016-2017 - Fall: Advanced Calculus with Linear Algebra I, Spring: Advanced Calculus with Linear Algebra II

2015-2016 - Fall: Advanced Calculus with Linear Algebra I, Spring: Advanced Calculus with Linear Algebra II

2014-2015 - Fall: Honors Multivariable Calculus, Senior seminar, Spring: no teaching

2013-2014 - Fall: Inverse Galois problem (Yale University), Spring: Algebraic Geometry (Group schemes)

2012-2013 - Fall: Algebraic Geometry (Elliptic curves), Honors Multivariable Calculus; Spring: Senior seminar (Yale university)

2011-2012 - Fall: Research leave; Spring: Linear Algebra, Algebraic Number Theory

2010-2011 - Fall: Algebra III, Honors Multivariable Calculus; Spring: Algebra IV (Commutative Algebra)

2009-2010 - Fall: Algebra III, Honors Multivariable Calculus; Spring: Algebra IV (Brauer Group and Group Cohomology)

2008-09 - Fall: Bilinear Forms and Group Representations, Honors Multivariable Calculus; Spring: Algebraic Number Theory

2007-08 - Fall: Algebraic Number Theory, Honors Multivariable Calculus; Spring: Algebra IV (Brauer Group and Group Cohomology)

2006-07 - Fall: Galois Theory, Honors Multivariable Calculus; Spring: Modular Forms

2005-06 - Fall: Research leave, Spring: Complex Variable, Elliptic Curves

2004-05 - Fall: Advanced Linear Algebra, Honors Multivariable Calculus, Calculus III (course coordinator); Spring: Research leave

2003-04 - Fall: Advanced Linear Algebra; Spring: Undergraduate Algebra, Calculus III (course coordinator)

2002-03 - Fall: Calculus II (course coordinator), Algebra III; Spring: Algebra IV (Quadratic Forms)

2001-02 - Fall: Resarch leave; Spring: Calculus III (course coordinator), Algebra IV

2000-01 - Fall: Calculus I (course coordinator), Algebraic K-theory, Algebra seminar; Spring: Arithmetic groups

1999-00 - Fall: Calculus I, Algebra III; Spring: Algebra IV (Quadratic Forms), Algebra seminar

1998-99 - Fall: Calculus I (course coordinator), Algebra I; Spring: Linear Algebra, Algebra II

1997-98 - Fall: Calculus I (course coordinator), Algebraic Geometry; Spring: Calculus I (course coordinator), Algebraic Groups

1996-97 - Fall: Calculus I, Algebra III; Spring: Calculus I (course coordinator), Algebra IV (Classical Groups)

1995-96 - Fall: Calculus I & II; Spring: Undergraduate Algebra II, Kazhdan Groups and Their Applications

1994-95 - Seminar "Kazhdan Groups and Expanders"

1993-94 - Fall: Calculus II (2 sections); Spring: Calculus II, Linear Algebra

1992-93 - Fall: Calculus II (2 sections); Spring: Calculus II, Algebraic Geometry (Theory of Schemes)

1991-92 - Undergraduate Algebra I

1990-91 - Group Theory, Field Theory

1989-90 - Undergraduate Algebra II

1988-89 - Undergraduate Algebra I

1987-88 - Group Theory, Field Theory

1985-86 - Algebraic Geometry

1984-85 - Local Class Field Theory

1983-84 - Number Theory, Differential Geometry

In 2009, I was nominated by the department for an all-University Teaching Award for introducing an Honors course in multivariable calculus (along with a few other courses) and teaching it in the past several years, and received a commendation letter from the Vice Provost for Academic Programs.