Unless otherwise noted, all seminars meet at the CUNY Graduate Center, located at 365 Fifth Ave. (at 34th St.), NYC. Seminars are listed below in chronological order, and show dates for the upcoming two weeks. Special Events, if any, are listed at the end. A seminar’s website, if available, may contain abstracts of the talks plus additional information. Note: A pdf version of this bulletin is attached in case the formatting of the text below is thrown off on your screen. Matters related to the seminars should be sent to mathseminars@gc.cuny.edu.

MONDAY, December 3, 2018

**Student Dynamics Seminar**  
Meets: 12:00PM – 1:30PM, Rm. 5417  
Speaker:  
Title: NA

**Einstein Chair Seminar**  
Website: [http://www.gc.cuny.edu/Page-Elements/Academics-Research-Centers-Initiatives/Doctoral-Programs/Mathematics/Seminars/Einstein-Chair-Mathematics-Seminar](http://www.gc.cuny.edu/Page-Elements/Academics-Research-Centers-Initiatives/Doctoral-Programs/Mathematics/Seminars/Einstein-Chair-Mathematics-Seminar)  
Meets: 2:00PM – 3:15PM, Rm. 6417  
Speaker: Mahmoud Zeinalian  
Title: A previously unnoticed fact about the singular chains functor

**Graduate Student Colloquium**  
Website: [https://sites.google.com/site/gradcenterseminars/current-seminars/graduate-student-colloquium](https://sites.google.com/site/gradcenterseminars/current-seminars/graduate-student-colloquium)  
Meets: 4:15PM – 5:00PM, Rm. 5417  
Speaker:  
Title: No meetings for the rest of the semester

TUESDAY, December 4th

**Geometry & Topology Student Seminar**  
Website: [http://www.math.csi.cuny.edu/abhijit/studentseminar/](http://www.math.csi.cuny.edu/abhijit/studentseminar/)  
Meets: 1:30PM – 3:00PM, Rm. 4214.03  
Speaker: Tim Morris, Temple University  
Title: TBA

**CUNY Geometric Analysis Seminar**  
Website: [http://www.sci.ccny.cuny.edu/~bsantoro/GCSeminar.html](http://www.sci.ccny.cuny.edu/~bsantoro/GCSeminar.html)  
Meets: 3:00PM – 4:00PM, Rm. 6496  
Speaker: Lu Wang, University of Wisconsin  
Title: Topological uniqueness of self-expanders of small entropy
Hyperbolic Geometry Seminar
Website: https://sites.google.com/site/hyperbolicgeometrieseminar/home
Meets: 3:00PM - 4:00PM, Rm. 4214.03
Speaker: Dragomir Saric, Queens College and CUNY Graduate Center
Title: Asymptotics of Modulus of Curve Families and Applications (part 3)

CUNY Geometry & Topology Seminar
Website: http://comet.lehman.cuny.edu/behrstock/seminar/
Meets: 4:15PM - 5:15PM, Rm. 3212
Speaker: Tim Morris, Temple University
Title: Non Abelian covers of knots from the Alexander polynomial

CUNY Probability Seminar
Website: https://probability.commons.gc.cuny.edu/
Meets: 4:15PM – 5:15PM, Rm. 5417
Speaker: Chiranjib Mukherjee, Institut für Mathematische Statistik, Universität Münster
Title: The smoothed KPZ equation in dimension three and higher: Edwards-Wilkinson regime of its fluctuations and its localization properties

Student Set Theory Seminar
Website: https://coreyswitzer.wordpress.com/cuny-set-theory-seminar/
Meets: 4:15PM – 5:45PM, Rm. 4214.03
Speaker: NA
Title: NA

Models of Peano Arithmetic
Website: https://nylogic.github.io/MOPA.html
Meets: 6:30PM – 8:00PM, Rm. 4214.03
Speaker: Whan Ki Lee, CUNY
Title: κκ-like models

WEDNESDAY, December 5th

Companion Meeting to K-theory Seminar
Website: https://www.zeinalian.com/seminar
Meets: 10:00AM - 11:30AM, Rm. 6417
Speaker: Corbett Redden
Title: Equivariant de Rham theory

Almost Complex Geometry
Website: http://qcpages.qc.cuny.edu/~swilson/ACGsem.html
11:45AM – 1:45PM, Rm. 6417
Speaker: Samuel Hosmer
Title: A canonical spin^c structure on almost complex manifolds
Algebraic & Numerical Computation  
Meets: 11:45AM - 1:45PM, Rm. 3307  
Speaker:  
Title: NA  

Geometric Group Theory Seminar  
Meets: 12:00PM - 2:00PM, Rm. 4213.03  
Speaker:  
Title: NA  

Introduction of Dynamical Systems  
Meets: 2:00PM - 4:00PM, Rm. 4214.03  
Speaker:  
Title: NA  

K-Theory & Beyond: A Learning Seminar  
Website: https://www.zeinalian.com/seminar/[zeinalian.com]  
Meets: 2:00PM – 4:00PM, Rm. 6417  
Speaker: Corbett Redden  
Title: Equivariant connections on (higher) bundles  

Algebraic Topology Seminar  
Website: http://math.hunter.cuny.edu/mbenders/seminar.html  
Meets: 4:30PM - 5:30PM, Rm. 4214.03  
Speaker: David Recio Mitter, Lehigh University  
Title: Topological robotics and braid groups  

NYC Category Theory Seminar  
Website: http://www.sci.brooklyn.cuny.edu/~noson/CTseminar.html  
Meets: 7:00PM - 8:30PM, Rm. 6417  
Speaker: Alex Martsinkovsky, Northeastern University.  
Title: Stabilization of additive functors.  

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THURSDAY, December 6th  

Symbolic-Numeric Computing Seminar  
Website: http://qcpages.qc.cuny.edu/~aovchinnikov/seminar.html  
Meets: 3:30PM – 4:30PM, Rm. 9116  
Speaker: Joe Kileel, Princeton University  
Title: Orbit retrieval, with applications to cryo-electron microscopy  

New York Number Theory Seminar  
Website: http://www.math.rutgers.edu/~bumby/nyntsem/  
Meets: 3:00PM - 4:00PM, Rm. 4419  
Speaker:  
Title: NA
Computer Science Colloquium  
Meets: 4:15PM - 6:15PM, Rm. 9207  
Speaker: Joe Halpern, Cornell University  
Title: Decision Theory with Resource-Bounded Agents.

Research Training Group in Number Theory Seminar  
Website: http://www.math.columbia.edu/~goldfeld/ScheduleJointNTS31.html  
Meets: 4:00PM- 4:45PM, Rm 4102  
Speaker: Shai Evra, Hebrew University of Jerusalem  
Title: RAMANUJAN COMPLEXES AND GOLDEN GATES IN PU(3)  
Tea: 5:00PM – 5:30PM, served in the Math Lounge on the 4th Floor (Rm. 4102)  
NOTE: The RTG talk is aimed at graduate students and post-docs.

New York Joint Columbia-CUNY-NYU Number Theory Seminar  
Website: http://www.math.columbia.edu/~goldfeld/ScheduleJointNTS31.html  
Meets: 5:30PM - 7:00PM, Rm. 4102  
Speaker: Shai Evra, Hebrew University of Jerusalem  
Title: RAMANUJAN COMPLEXES AND GOLDEN GATES IN PU(3)  
Tea: 5:00PM – 5:30PM served in the Math Lounge on the 4th Floor (Rm. 4102)

Phenomenology Reading Group  
Meets: 6:30PM – 8:30PM, Rm. 4214.03(Math Thesis Room)  
Speaker:  
Title: NA  

FRIDAY, December 7th

Number Theory Student Seminar  
Meets: 10:00AM – 11:30M, Rm. 4419  
Speaker:  
Title: NA

Set Theory Seminar  
Website: https://nylogic.github.io/set-theory-seminar.html  
Meets: 10:00AM - 12:00PM, Rm. 6417  
Speaker: Victoria Gitman, CUNY  
Title: The Stable Core

Kolchin Seminar in Differential Algebra  
Website: https://cs.nyu.edu/~pogudin/ksda/  
Meets: 10:00AM – 11:30AM, Rm. 5382  
Speaker: Li Guo, Rutgers University  
Title: Rota-Baxter Algebras and Quasi-Symmetric Functions

Extremal Length Seminar  
Website: http://userhome.brooklyn.cuny.edu/gardiner/notes.html  
Meets: 10:30AM - 12:00PM, Rm. 4214.03  
Speaker:  
Title: NA
New York Combinatorics Seminar
Website: http://userhome.brooklyn.cuny.edu/skingan/CombinatoricsSeminar
Meets: 11:45AM - 12:45PM, Rm. 4419
Speaker: Eric Rowland, Hofstra University
Title: Extremal sequences avoiding a fractional power

Study Group in Number Theory
Website: http://fsw01.bcc.cuny.edu/cormac.osullivan/Research/number_theory.html
Meets: 11:45AM - 1:45PM, Rm. 3307
Speaker: Kris Klosin, Queens College
Title: “The paramodular conjecture for abelian surfaces with rational torsion”

Data Science and Applied Topology
Website: http://cunygc.appliedtopology.nyc/
Meets: 11:45AM - 12:45PM, Rm. 3209
Speaker: Art Dikyom
Title: Shape recognition with tangent complexes

Student Seminar of Algebraic and Numerical Algorithms
Meets: 11:45AM - 1:45PM, Rm. 3308
Speaker:
Title: NA

Model Theory Seminar
Website: http://nylogic.org/model-theory
Meets: 12:30PM - 1:45PM, Rm. 6417
Speaker:
Title: NA

Study Group on Hodge Theory & Complex Algebraic Geometry
Website: https://fyemath.github.io/hodge-seminar.html
Meets: 1:30PM – 3:30PM, Rm. 4214.03
Speaker:
Title: NA

BEAG seminar (Beginners Explorations in Algebraic Geometry)
Website: https://lagcc-cuny.digication.com/beag/FALL_2018
Meets: 2:00PM – 3:00PM, Rm. 4433
Speaker:
Title: NA
Lunch will be held at Franchia, 12 Park Avenue for the closing of the semester!

Collaborative Number Theory Seminar
Website: http://qcpages.qc.cuny.edu/~msabitova/CNTS.html
Meets: 2:00PM – 4:00PM, Rm. 6494
Speaker:
Title: NA

Complex Analysis and Dynamics Seminar
Website: http://qcpages.qc.cuny.edu/~zakeri/seminar.html
Meets: 2:00PM - 3:30PM, Rm. 5417
Speaker:
Title: NA
CUNY Logic Workshop
Website: https://nylogic.github.io/logic-workshop.html
Meets: 2:00PM – 3:30PM, Rm. 6417
Speaker: Hans Schoutens, CUNY
Title: Towards a theory of Weyl Algebras

Discrete Geometry Seminar
Website: https://geometrynyc.wixsite.com/home/nyc-geometry-seminar
Meets: 2:00PM – 4:00PM, Rm. 4419
Speaker:
Title: NA

CUNY Representation Theory Seminar
Meets: 2:00PM – 3:30PM, Rm. 3209
Speaker:
Title: NA

Harmonic Analysis and PDE’s Seminar
Website: https://sites.google.com/site/mathphyseminar/
Meets: 2:00PM – 3:00PM, Rm. 3309
Speaker: Dr. Pierre Germain, Courant-NYU
Title: Long time Strichartz estimates for the Schrödinger equation on tori

Kolchin Afternoon Seminar in Differential Algebra
Website: https://ksda.ccny.cuny.edu/gradcenter.html
Meets: 2:00PM – 3:00PM, Rm. 5382
Speaker: Gleb Pogudin, New York University
Title: Elimination of unknowns in delay-differential equations?

Algebra and Cryptography Seminar
Website: http://www.sci.ccny.cuny.edu/~shpil/algcryp.html
Meets: 2:30PM – 4:30PM, Rm. 3307
Speaker:
Title: NA

Automorphic Forms Student Seminar
Website: https://sites.google.com/site/gradcenterseminars/current-seminars/automorphic-forms-and-l-functions-student-seminar
Meets: 4:00PM – 5:00PM, Rm. 4214.03
Speaker:
Title: NA

NY Group Theory Seminar
Website: https://sites.google.com/site/nygrouptheory/fall2018
Meets: 4:00PM – 5:30PM, Room C 197
Speaker: Various Speakers
Title: NA
Manhattan Algebra Day!
Commutative Algebra & Algebraic Geometry Seminar
Webpage: http://websupport1.citytech.cuny.edu/Faculty/hschoutens/CAAG.html
Meets: 4:00PM – 5:00PM, Rm. 6417
Speaker:
Title: NA

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MONDAY, December 10th

Student Dynamics Seminar
Meets: 12:00PM – 1:30PM, Rm. 5417
Speaker:
Title:

Einstein Chair Seminar
Website:
http://www.gc.cuny.edu/Page-Elements/Academics-Research-Centers-Initiatives/Doctoral-Programs/Mathematics/Seminars/Einstein-Chair-Mathematics-Seminar
Meets: 2:00PM – 3:15PM, Rm. 6417
Speaker:
Title: NA

Graduate Student Colloquium
Website:
https://sites.google.com/site/gradcenterseminars/current-seminars/graduate-student-colloquium
Meets: 4:15PM – 5:00PM, Rm. 5417
Speaker:
Title:
No more meetings for the rest of the semester.

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TUESDAY, December 11th

Geometry & Topology Student Seminar
Website: http://www.math.csi.cuny.edu/abhijit/studentseminar/
Meets: 1:30PM – 3:00PM, Rm. 4214.03
Speaker:
Title: NA

CUNY Geometric Analysis Seminar
Website: http://www.sci.ccny.cuny.edu/~bsantoro/GCSeminar.html
Meets: 3:00PM - 4:00PM, Rm. 6496
Speaker: Ronan Conlon, Florida International University
Title: NA

Hyperbolic Geometry Seminar
Website: https://sites.google.com/site/hyperbolicgeometryseminar/home
Meets: 3:00PM - 4:00PM, Rm. 4214.03
Speaker:
Title: NA
CUNY Geometry & Topology Seminar
Website: http://comet.lehman.cuny.edu/behrstock/seminar/
Meets: 4:15PM - 5:15PM, Rm. 3212
Speaker: NA

CUNY Probability Seminar
Website: https://probability.commons.gc.cuny.edu/
Meets: 4:15PM – 5:15PM, Rm. 5417
Speaker: NA

Student Set Theory Seminar
Website: https://coreyswitzer.wordpress.com/cuny-student-set-theory-seminar/
Meets: 4:15PM – 5:45PM, Rm. 4214.03
Speaker: NA

Models of Peano Arithmetic
Website: https://nylogic.github.io/MOPA.html
Meets: 6:30PM – 8:00PM, Rm. 4214.03
Speaker: NA

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WEDNESDAY, December 12th

Companion Meeting to K-theory Seminar
Website: https://www.zeinalian.com/seminar
Meets: 10:00AM - 11:30AM, Rm. 6417
Speaker: NA

Almost Complex Geometry
Website: http://qcpages.qc.cuny.edu/~swilson/ACGsem.html
11:45AM – 1:45PM, Rm. 6417
Speaker: NA

Algebraic & Numerical Computation
Meets: 11:45AM - 1:45PM, Rm. 3307
Speaker: NA

Geometric Group Theory Seminar
Meets: 12:00PM- 2:00PM, Rm. 4213.03
Speaker: NA

Introduction of Dynamical Systems
Meets: 2:00PM - 4:00PM, Rm. 4214.03
Speaker: NA

Title: NA
K-Theory & Beyond: A Learning Seminar
Website: https://www.zeinalian.com/seminar/[zeinalian.com]
Meets: 2:00PM – 4:00PM, Rm. 6417
Speaker: Alex Perry
Title: Hochshild cohomology and group actions

Algebraic Topology Seminar
Website: http://math.hunter.cuny.edu/mbenders/seminar.html
Meets: 4:30PM - 5:30PM, Rm. 4214.03
Speaker:
Title: NA

NYC Category Theory Seminar
Website: http://www.sci.brooklyn.cuny.edu/~noson/CTseminar.html
Meets: 7:00PM - 8:30PM, Rm. 6417
Speaker:
Title: NA

THURSDAY, December 13th

Symbolic-Numeric Computing Seminar
Website: http://qcpages.qc.cuny.edu/~aovchinnikov/seminar.html
Meets: 3:30PM – 4:30PM, Rm. 9116
Speaker:
Title: NA

New York Number Theory Seminar
Website: http://www.math.rutgers.edu/~bumby/nyntsem/
Meets: 3:00PM - 4:00PM, Rm. 4419
Speaker:
Title: NA

Research Training Group in Number Theory Seminar
Website: http://www.math.columbia.edu/~goldfeld/ScheduleJointNTS31.html
Meets: 4:00PM- 4:45PM, Rm 622 (Columbia University)
Speaker: Kannan Soundararajan, Stanford University
Title: INTEGRAL FACTORIAL RATIOS
Tea: 5:00PM – 5:30PM, served in the Math Lounge on the 5th floor.
NOTE: The RTG talk is aimed at graduate students and post-docs.

New York Joint Columbia-CUNY-NYU Number Theory Seminar
Website: http://www.math.columbia.edu/~goldfeld/ScheduleJointNTS31.html
Meets: 5:30PM - 7:00PM, Rm. 417 (Columbia University)
Speaker: Kannan Soundararajan, Stanford University
Title: INTEGRAL FACTORIAL RATIOS
Tea: 5:00PM – 5:30PM, served in the Math Lounge on the 5th floor.
**Phenomenology Reading Group**  
Meets: 6:30PM – 8:30PM, Rm. 4214.03(Math Thesis Room)  
Speaker:  
Title: NA

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**FRIDAY, December 14th**

**Number Theory Student Seminar**  
Meets: 10:00AM – 11:30M, Rm. 4419  
Speaker:  
Title: NA

**Set Theory Seminar**  
Website: [https://nylogic.github.io/set-theory-seminar.html](https://nylogic.github.io/set-theory-seminar.html)  
Meets: 10:00AM - 12:00PM, Rm. 6417  
Speaker:  
Title: NA

**Kolchin Seminar in Differential Algebra**  
Website: [https://cs.nyu.edu/~pogudin/ksda/](https://cs.nyu.edu/~pogudin/ksda/)  
Meets: 10:00AM – 11:30AM, Rm. 5382  
Speaker: Mirco Tribastone, School for Advanced Studies Lucca  
Title: Maximal aggregation of polynomial differential equations

**Extremal Length Seminar**  
Website: [http://userhome.brooklyn.cuny.edu/gardiner/notes.html](http://userhome.brooklyn.cuny.edu/gardiner/notes.html)  
Meets: 10:30AM - 12:00PM, Rm. 4214.03  
Speaker:  
Title: NA

**New York Combinatorics Seminar**  
Website: [http://userhome.brooklyn.cuny.edu/skingan/CombinatoricsSeminar](http://userhome.brooklyn.cuny.edu/skingan/CombinatoricsSeminar)  
Meets: 11:45AM - 12:45PM, Rm. 4419  
Speaker:  
Title: NA

**Study Group in Number Theory**  
Website: [http://fsw01.bcc.cuny.edu/cormac.osullivan/Research/number_theory.html](http://fsw01.bcc.cuny.edu/cormac.osullivan/Research/number_theory.html)  
Meets: 11:45AM - 1:45PM, Rm. 3307  
Speaker:  
Title: NA

**Data Science and Applied Topology**  
Website: [http://cunygc.appliedtopology.nyc/](http://cunygc.appliedtopology.nyc/)  
Meets: 11:45AM - 12:45PM, Rm. 3209  
Speaker:  
Title: NA

**Student Seminar of Algebraic and Numerical Algorithms**  
Meets: 11:45AM - 1:45PM, Rm. 3308  
Speaker:  
Title: NA
Model Theory Seminar
Website: http://nylogic.org/model-theory
Meets: 12:30PM - 1:45PM, Rm. 6417
Speaker: NA
Title: NA

Study Group on Hodge Theory & Complex Algebraic Geometry
Website: https://fyemath.github.io/hodge-seminar.html
Meets: 1:30PM – 3:30PM, Rm. 4214.03
Speaker: NA
Title: NA

BEAG seminar (Beginners Explorations in Algebraic Geometry)
Website: https://lagcc-cuny.digication.com/beag/FALL_2018
Meets: 2:00PM – 3:00PM, Rm. 4433
Speaker: NA
Title: NA

Collaborative Number Theory Seminar
Website: http://qcpages.qc.cuny.edu/~msabitova/CNTS.html
Meets: 2:00PM – 4:00PM, Rm. 6494
Speaker: NA
Title: NA

Complex Analysis and Dynamics Seminar
Website: http://qcpages.qc.cuny.edu/~zakeri/seminar.html
Meets: 2:00PM - 3:30PM, Rm. 5417
Speaker: NA
Title: NA

CUNY Logic Workshop
Website: https://nylogic.github.io/logic-workshop.html
Meets: 2:00PM – 3:30PM, Rm. 6417
Speaker: Joel David Hamkins, Oxford University
Title: A new proof of the Barwise extension theorem, without infinitary logic.

Discrete Geometry Seminar
Website: https://geometrynyc.wixsite.com/home/nyc-geometry-seminar
Meets: 2:00PM – 4:00PM, Rm. 4419
Speaker: Dan Halperin, Tel-Aviv University
Title: Minkowski Sums of Polyhedra with Holes

CUNY Representation Theory Seminar
Meets: 2:00PM – 3:30PM, Rm. 3209
Speaker: NA
Title: NA

Harmonic Analysis and PDE’s Seminar
Website: https://sites.google.com/site/mathphysseminar/
Meets: 2:00PM – 3:00PM, Rm. 3309
Speaker: Dr. Alexey Karapetyants, Southern Federal Univ, Russia
Title: NA
Kolchin Afternoon Seminar in Differential Algebra
Website: https://ksda.ccny.cuny.edu/gradcenter.html
Meets: 2:00PM – 3:00PM, Rm. 5382
Speaker: NA
Title: NA

Algebra and Cryptography Seminar
Website: http://www.sci.ccny.cuny.edu/~shpil/algcryp.html
Meets: 2:30PM – 4:30PM, Rm. 3307
Speaker: NA
Title: NA

Automorphic Forms Student Seminar
Website: https://sites.google.com/site/gradcenterseminars/current-seminars/automorphic-forms-and-l-functions-student-seminar
Meets: 4:00PM – 5:00PM, Rm. 4214.03
Speaker: NA
Title: NA

NY Group Theory Seminar
Website: https://sites.google.com/site/nygrouptheory/fall2018
Meets: 4:00PM – 5:30PM, Room 5417
Speaker: NA
Title: NA

Commutative Algebra & Algebraic Geometry Seminar
Webpage: http://websupport1.citytech.cuny.edu/Faculty/hschoutens/CAAG.html
Meets: 4:00PM – 5:00PM, Rm. 6417
Speaker: NA
Title: NA

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Special Event

December 7, 2018

Manhattan Algebra Day
Webpage: http://web.stevens.edu/algebraic/MADAY2018/
Meets: 2:00PM – 7:00PM, Rm. C197
Speaker: Various Speakers
Title: NA