Most seminars are remote for Fall 2021.

Unless otherwise noted, you must go to the seminar website for connecting information.

Seminars are listed below in chronological order and show information for the current week and the following week’s seminars based on the information provided by the seminar organizer. Always check the seminar’s website (if provided) for the most current information including updates and abstracts. Special Events, if any, are listed at the end.

If you would like to sign up or change your email address to receive the weekly Seminar Bulletin, please visit: https://gc.listserv.cuny.edu/Scripts/wa-gc.exe?SUBED1=MATHSEMINARGC&A=1

All other matters related to the seminars should be sent to mathseminars@gc.cuny.edu.

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Monday, November 29th

Student Research Seminar- Graduate Student Colloquium
Website: Seminars and Colloquia - 2021-2022 (google.com)
Meets: 4:15PM-6:15PM, Online
Speaker: Melvyn Nathanson
Title: Egyptian fractions and Muirhead's inequality
Online- Contact Organizer: Mondal, Sayantika smondal@gradcenter.cuny.edu and Jarvis, Samantha sjarvis@gradcenter.cuny.edu.

Models of Peano Arithmetic
Website: https://nylogic.github.io/MOPA.html
Meets: 2:00PM- 3:00PM, Online (Different time and day)
Speaker: Mateusz Łełyk, University of Warsaw
Title: Model theoretic characterizations of truth: Part I
Online - See Seminar Website.
TUESDAY, November 30

Geometry & Topology Student Seminar
Website: http://www.math.csi.cuny.edu/abhijit/studentseminar/
Meets: 1:30PM – 2:30PM, Online
Speaker: Joe Boninger
Title: NA
Online - Contact Organizer: Abhijit Champanerkar (achampanerkar@gmail.com)

Student Learning Seminar on Ergodic Theory, Dynamical Systems, and Number Theory Seminar
Website: qcpages.qc.cuny.edu/~yjiang/HomePageYJ/LinkPages/TeachingPages/GCLinkFiles/Fall2021/Fall2021.html
Meets: 1:30PM- 3:00PM, Room 4214.03
Speaker: Furtado
Title: NA
Contact Organizer: Yunping Jiang (yunping.jiang@qc.cuny.edu)

Hyperbolic Geometry Seminar
Website: Hyperbolic Geometry Seminar (google.com)
Meets: 3:00PM - 4:00PM, Online
Speaker: Priyam Patal, U. of Utah
Title: Finding and combining indicable subgroups of big mapping class groups
Online - See Seminar Website

CUNY Geometry & Topology Seminar
Website: http://comet.lehman.cuny.edu/behrstock/seminar/
Meets: 4:15PM - 5:15PM, Online
Speaker: Moshe Cohen, SUNY New Paltz
Title: The average genus of a 2-bridge knot grows linearly with respect to crossing number
Online - See Seminar Website

CUNY Probability Seminar
Website: https://probabilitycommons.gc.cuny.edu/
Meets: 4:30PM-5:30PM, Online
Speaker: Lionel Levine, Cornell University
Title: Exact sampling and fast mixing of Activated Random Walk
Online - See Seminar Website

CUNY Student Logic Seminar
Website: https://sites.google.com/view/cuny-student-logic-seminar/schedule
Meets: 6:30PM- 8:00PM, Online
Speaker: 
Title: NA
Online - Contact Organizer: Jason Block (jblock@gradcenter.cuny.edu)
WEDNESDAY, December 1

**Einstein Chair Seminar**
Website: Einstein Chair Mathematics Seminar (cuny.edu)
Meets: 11:30AM –1:00PM, Online (Different day and time)
Speaker: Klas Modin, University of Gothenburg
Title: Zeitlin's model for ideal hydrodynamics on the sphere
Online - See Seminar Website

**The New York City Category Theory Seminar**
Website: Category Theory Seminar (cuny.edu)
Meets: 7:00PM- 8:30PM, Online
Speaker: Robert Geroch, University of Chicago
Title: An Alien's Perspective on Mathematics (and Physics).
Online - See Seminar Website

THURSDAY, December 2

**Quasiconformal Maps, Hyperbolic Geometry, and Low-dimensional Topology**
Website: https://dragomirsaric.com/graduate-students/ [dragomirsaric.com]
Meets: 10:00AM - 11:00AM, Online
Speaker: Michael Pandazis
Title: Intro to modulus of curves and some estimates
Online - Contact Organizer: dagomir.saric@QC.cuny.edu

**Kolchin Seminar in Differential Algebra**
Website: https://sites.google.com/view/kolchin2021
Meets: 11:10AM- 12:10PM, Online
Speaker: Max Tschaikowski, Aalborg University
Title: Lumpability for uncertain continuous-time Markov chains
Online - See Seminar Website

**Mostly Teichmuller Spaces (MTS) Seminar**
Website: MTS SEMINAR – Dragomir Saric
Meets: 10:00AM - 11:00AM, Online (Different time)
Speaker: Harry Baik, KAIST
Title: Reducible normal generators for mapping class groups are abundant
Online - Online - See Seminar Website

**Polynomial and Matrix Computations Seminar**
Meets: 2:00PM - 4:00PM, Online
Speaker:
Title: NA
Online - Contact Organizer: VICTOR.PAN@lehman.cuny.edu
**New York Number Theory Seminar**
Website: [http://www.math.rutgers.edu/~bumby/nyntsem/](http://www.math.rutgers.edu/~bumby/nyntsem/)
Meets: 3:00PM - 4:30PM, Online
Speaker: Alex Cohen, MIT
Title: An optimal inverse theorem for tensors over large fields
Zoom Info: [https://lehman-cuny-edu.zoom.us/j/87447823245?pwd=L0Y1L1VGRjQxVCtsVjRVVW5EdE1qZz09](https://lehman-cuny-edu.zoom.us/j/87447823245?pwd=L0Y1L1VGRjQxVCtsVjRVVW5EdE1qZz09)

**Symplectic Geometry Study Group**
Website: [Symplectic Geometry Study Group (yfei.page)](Symplectic%20Geometry%20Study%20Group%20(yfei.page))
Meets: 3:00PM – 4:00PM, Online
Speaker: NA
Title: NA
Online – Contact Organizer: Fei Ye (feye@qcc.cuny.edu) or David Pham (DNpham@qcc.cuny.edu)

**CUNY Geometric Analysis Seminar**
Website: [CUNY Geometric Analysis Seminar (lehman.edu)](CUNY%20Geometric%20Analysis%20Seminar%20(lehman.edu))
Meets: 4:00PM – 5:00PM, Online
Speaker: Virginia Agostiniani
Title: A Green's function proof of the positive mass theorem
Online - Contact Organizer: (nkatz@citytech.cuny.edu)

**Research Training Group in Number Theory Seminar**
Meets: 5:30PM- 6:30PM, Online
Speaker: Elena Fuchs, UC Davis & Kristin Lauter, Facebook AI Research
Title: CRYPTOGRAPHIC HASH FUNCTIONS FROM MARKOFF TRIPLES
NOTE: The RTG talk is aimed at graduate students and post-docs.
Online - See Seminar Website

**New York Joint Columbia-CUNY-NYU Number Theory Seminar**
Meets: 5:30PM - 6:30PM, Online
Speaker: Elena Fuchs, UC Davis & Kristin Lauter, Facebook AI Research
Title: CRYPTOGRAPHIC HASH FUNCTIONS FROM MARKOFF TRIPLES
Online - See Seminar Website

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FRIDAY, December 3

Automorphic Forms and Representations Study Group
Website: https://sites.google.com/site/gradcenterseminars/current-seminars/automorphic-forms-and-l-functions-student-seminar/sites.google.com
Meets: 9:30AM – 11:00AM, Online
Speaker: NA
Title: NA
Online - See Seminar Website

Extremal Length Seminar
Website: http://userhome.brooklyn.cuny.edu/gardiner/notes.html
Meets: 9:00AM - 10:30AM, Online
Speaker: Fred Gardiner
Title: Teichmueller Theory and Dynamics seminar, fall term 2021.
Contact Organizer: Fred Gardiner (frederick.gardiner@gmail.com)

CUNY Representation Theory Seminar
Website: https://sites.google.com/site/cunyrt/
Meets: 10:00AM – 11:00AM, Online
Speaker: Andrew Linshaw, Denver
Title: Vertex algebras and arc spaces
Contact Organizer: Joshua Sussan (jsussan@mec.cuny.edu)

Seminar in Logic, Games and Philosophy- Philog Seminar
Website: https://philog.arthurpaulpedersen.org/
Meets: 10:00AM - 11:00AM, Online
Speaker: NA
Title: NA
Online - See Seminar Website

Working Seminar on Nonlinear PDE
Meets: 11:00AM - 12:00PM, Online
Speaker: NA
Title: NA
Online - Contact Organizer: Marcello.Lucia@csi.cuny.edu

Data Science and Applied Topology
Website: http://cunygc.appliedtopology.nyc/
Meets: 11:45AM - 12:45PM, Online
Speaker: NA
Title: NA
Online - See Seminar Website.
Almost Complex Geometry
Website: http://qcpages.qc.cuny.edu/~swilson/ACGsem.html
Meets: 12:00PM – 1:30PM, Online
Speaker: NA
Title: NA
Online - See Seminar Website

New York Combinatorics Seminar
Website: Seminar (nycombinatorics.org)
Meets: 12:00PM – 1:00PM, Online
Speaker: Anna Pun, University of Virginia
Title: A note on the higher order Turan inequalities for k-regular partitions
Contact Organizer: Sandra Kingan (skingan@brooklyn.cuny.edu)

Harmonic Analysis and PDE’s Seminar
Website: http://math.hunter.cuny.edu/vmartine/seminar_HA-PDE_2021-fall.html
Meets: 1:00PM – 2:15PM, Online
Speaker: Tao Zhang, Guangzhou University, School of Mathematics, and Information Science
Title: Fuglede’s conjecture holds in \( \mathbb{Z}_p \times \mathbb{Z}_p \)
Online - See Seminar Website.

BEAG seminar (Beginners Explorations in Algebraic Geometry)
Website: Digication ePortfolio :: BEAG :: SPRING 2021
Meets: 2:00PM – 3:00PM, Online
Speaker: NA
Title: NA
Online - See Seminar Website.

Complex Analysis and Dynamics Seminar
Website: http://qcpages.qc.cuny.edu/~zakeri/seminar.html
Meets: 2:00PM - 3:30PM, Online
Speaker: NA
Title: NA
Contact Organizer: Saeed Zakeri (Saeed.Zakeri@qc.cuny.edu)

CUNY Logic Workshop
Website: Logic Workshop | NYlogic
Meets: 2:00PM - 3:00PM, Online
Speaker: NA
Title: NA
Online - See Seminar Website.
Set Theory Seminar
Website: https://nylogic.github.io/set-theory-seminar.html
Meets: 2:00PM- 3:00PM, Online
Speaker: Eyal Kaplan, Tel Aviv University
Title: Non-stationary support iterations of Prikry forcings and restrictions of ultrapower embeddings to the ground model
Contact Organizer: Victoria Gitman (vgitman@nylogic.org)

Commutative Algebra & Algebraic Geometry Seminar
Website: http://websupport1.citytech.cuny.edu/Faculty/hschoutens/CAAG.html
Meets: 4:00PM – 5:00PM, Online
Speaker: Lars Christensen, Texas Tech University
Title: Ext- and Tor-rigidity via flat-cotorsion theory
Contact Organizer: Hans Schoutens (hschoutens@citytech.cuny.edu)

NY Group Theory Seminar
Website: NY Group Theory Cooperative - Fall 2021 (google.com)
Meets: 4:00PM- 5:00PM, Online
Speaker: Sarah Rees, University of Newcastle
Title: The compressed word problem in relatively hyperbolic groups
Contact Organizer: See Seminar Website

Monday, December 6

Student Research Seminar- Graduate Student Colloquium
Website: Seminars and Colloquia - 2021-2022 (google.com)
Meets: 4:15PM-6:15 PM, Online
Speaker: Van Steirteghem Bart
Title: NA
Online- Contact Organizer: Mondal, Sayantika smondal@gradcenter.cuny.edu and Jarvis, Samantha sjarvis@gradcenter.cuny.edu.

Models of Peano Arithmetic
Website: https://nylogic.github.io/MOPA.html
Meets: 2:00PM- 3:00PM, Online (Different time and day)
Speaker: Bartosz Wcislo, Polish Academy of Sciences
Title: Model theoretic characterizations of truth: Part II
Online - See Seminar Website.
TUESDAY, December 7

**Geometry & Topology Student Seminar**
Website: [http://www.math.csi.cuny.edu/abhijit/studentseminar/](http://www.math.csi.cuny.edu/abhijit/studentseminar/)
Meets: 1:30PM – 2:30PM, Online
Speaker: Joe Boninger
Title: NA
Online - Contact Organizer: Abhijit Champanerkar (achampanerkar@gmail.com)

**Student Learning Seminar on Ergodic Theory, Dynamical Systems, and Number Theory Seminar**
Website: [gcpages.qc.cuny.edu/~yjiang/HomePageYJ/LinkPages/TeachingPages/GCLinkFiles/Fall2021/Fall2021.html](http://gcpages.qc.cuny.edu/~yjiang/HomePageYJ/LinkPages/TeachingPages/GCLinkFiles/Fall2021/Fall2021.html)
Meets: 1:30PM- 3:00PM, Room 4214.03
Speaker: Liu
Title: NA
Contact Organizer: Yunping Jiang ([yunping.jiang@qc.cuny.edu](mailto:yunping.jiang@qc.cuny.edu))

**Hyperbolic Geometry Seminar**
Website: [Hyperbolic Geometry Seminar (google.com)](http://HyperbolicGeometrySeminar)
Meets: 3:00PM - 4:00PM, Online
Speaker: Andrea Tamburelli, Rice U
Title: Limits of Cubic Differentials and Real Buildings
Online - See Seminar Website

**CUNY Geometry & Topology Seminar**
Website: [http://comet.lehman.cuny.edu/behrstock/seminar/](http://comet.lehman.cuny.edu/behrstock/seminar/)
Meets: 4:15PM - 5:15PM, Online
Speaker: Joseph Boninger, CUNY GC
Title: The Jones Polynomial from a Goeritz Matrix
Online - See Seminar Website

**CUNY Probability Seminar**
Website: [https://probabilitycommons.gc.cuny.edu/](https://probabilitycommons.gc.cuny.edu/)
Meets: 4:30PM-5:30PM, Online
Speaker: Evita Nestoridi, Princeton University
Title: NA
Online - See Seminar Website

**CUNY Student Logic Seminar**
Website: [https://sites.google.com/view/cuny-student-logic-seminar/schedule](https://sites.google.com/view/cuny-student-logic-seminar/schedule)
Meets: 6:30PM- 8:00PM, Online
Speaker: 
Title: NA
Online - Contact Organizer: Jason Block ([jblock@gradcenter.cuny.edu](mailto:jblock@gradcenter.cuny.edu))
Einstein Chair Seminar
Website: Einstein Chair Mathematics Seminar (cuny.edu)
Meets: 6:30PM – 8:00PM, Online
Speaker: NA
Title: NA
Online - See Seminar Website

WEDNESDAY, December 8

The New York City Category Theory Seminar
Website: Category Theory Seminar (cuny.edu)
Meets: 7:00PM – 8:30PM, Online
Speaker: Jens Hemelaer, University of Antwerp.
Title: Toposes of presheaves on a monoid and their points.
Online - See Seminar Website
THURSDAY, December 9

Quasiconformal Maps, Hyperbolic Geometry, and Low-dimensional Topology
Website: [https://dragomirsaric.com/graduate-students/](https://dragomirsaric.com/graduate-students/)
Meets: 10:00AM - 11:00AM, Online
Speaker: NA
Title: NA
Online - Contact Organizer: dagomir.saric@QC.cuny.edu

Kolchin Seminar in Differential Algebra
Website: [https://sites.google.com/view/kolchin2021](https://sites.google.com/view/kolchin2021)
Meets: 11:10AM- 12:10PM, Online
Speaker: Marina Poulet, Université Claude Bernard Lyon 1
Title: Zariski-dense subgroups of Galois groups for Mahler equations
Online - See Seminar Website

Mostly Teichmüller Spaces (MTS) Seminar
Website: [MTS SEMINAR – Dragomir Saric](http://www.math.rutgers.edu/~rumpher/mtsem/)
Meets: 11:00AM- 12:00PM, Online
Speaker: NA
Title: NA
Online - Online - See Seminar Website

Polynomial and Matrix Computations Seminar
Meets: 2:00PM - 4:00PM, Online
Speaker: NA
Title: NA
Online - Contact Organizer: VICTOR.PAN@lehman.cuny.edu

New York Number Theory Seminar
Website: [http://www.math.rutgers.edu/~bumby/nyntsem/](http://www.math.rutgers.edu/~bumby/nyntsem/)
Meets: 3:00PM - 4:30PM, Online
Speaker: Yunping Jiang, Queens College, CUNY
Title: Ergodic theory motivated by Sarnak's conjecture in number theory
Zoom Info: [https://lehman-cuny-edu.zoom.us/j/87447823245?pwd=L0Y1L1VGRjQxVCtSRVl1e3lEe1d6Nz09](https://lehman-cuny-edu.zoom.us/j/87447823245?pwd=L0Y1L1VGRjQxVCtSRVl1e3lEe1d6Nz09)

Symplectic Geometry Study Group
Website: [Symplectic Geometry Study Group (yfei.page)](https://yfei.page)
Meets: 3:00PM – 4:00PM, Online
Speaker: NA
Title: NA
Online – Contact Organizer: Fei Ye (feye@qcc.cuny.edu) or David Pham (DNpham@qcc.cuny.edu)
CUNY Geometric Analysis Seminar  
Website: CUNY Geometric Analysis Seminar (lehman.edu)  
Meets: 4:00PM – 5:00PM, Online  
Speaker: Xiaochun Rong  
Title: NA  
Online - Contact Organizer: (nkatz@citytech.cuny.edu)

Research Training Group in Number Theory Seminar  
Website: http://www.math.columbia.edu/~goldfeld/ScheduleJointNTS37.html  
[math.columbia.edu]  
Meets: 5:30PM- 6:30PM, Online  
Speaker: Levent Alpoge, Harvard University  
Title: NA  
NOTE: The RTG talk is aimed at graduate students and post-docs.  
Online - See Seminar Website

New York Joint Columbia-CUNY-NYU Number Theory Seminar  
Website: http://www.math.columbia.edu/~goldfeld/ScheduleJointNTS37.html  
[math.columbia.edu]  
Meets: 5:30PM - 6:30PM, Online  
Speaker: Levent Alpoge, Harvard University  
Title: NA  
Online - See Seminar Website

FRIDAY, December 10

Automorphic Forms and Representations Study Group  
Website: https://sites.google.com/site/gradcenterseminars/current-seminars/automorphic-forms-and-l-functions-student-seminar [sites.google.com]  
Meets: 9:30AM – 11:00AM, Online  
Speaker:  
Title: NA  
Online - See Seminar Website

Extremal Length Seminar  
Website: http://userhome.brooklyn.cuny.edu/gardiner/notes.html  
Meets: 9:00AM - 10:30AM, Online  
Speaker: Fred Gardiner  
Title: Teichmueller Theory and Dynamics seminar, fall term 2021.  
Contact Organizer: Fred Gardiner (frederick.gardiner@gmail.com)
CUNY Representation Theory Seminar
Website: https://sites.google.com/site/cunyrt/
Meets: 10:00AM – 11:00AM, Online
Speaker:
Title: NA
Contact Organizer: Joshua Sussan (jsussan@mec.cuny.edu)

Seminar in Logic, Games and Philosophy- Philog Seminar
Website: https://philog.arthurpaulpedersen.org/
Meets: 10:00AM - 11:00AM, Online
Speaker: David Ellerman, University of Ljubljana
Title: "What is Information and How to Measure it?"
Online - See Seminar Website

Working Seminar on Nonlinear PDE
Meets: 11:00AM - 12:00PM, Online
Speaker:
Title: NA
Online - Contact Organizer: Marcello.Lucia@csi.cuny.edu

Data Science and Applied Topology
Website: http://cunygc.appliedtopology.nyc/
Meets: 11:45AM - 12:45PM, Online
Speaker:
Title: NA
Online - See Seminar Website.

Almost Complex Geometry
Website: http://qcpages.qc.cuny.edu/~swilson/ACGsem.html
Meets: 12:00M – 1:30PM, Online
Speaker:
Title: NA
Online - See Seminar Website.

New York Combinatorics Seminar
Website: Seminar (nycombinatorics.org)
Meets: 12:00PM – 1:00PM, Online
Speaker: Zhanar Berikkyzy, Fairfield University
Title: NA
Contact Organizer: Sandra Kingan (skingan@brooklyn.cuny.edu)

Harmonic Analysis and PDE’s Seminar
Website: http://math.hunter.cuny.edu/vmartine/seminar_HA-PDE_2021-fall.html
Meets: 1:00PM – 2:15PM, Online
Speaker: Tuan Pham, Brigham Young University, Department of Mathematics
Title: NA
Online - See Seminar Website.
BEAG seminar (Beginners Explorations in Algebraic Geometry)
Website: Digication ePortfolio :: BEAG :: SPRING 2021
Meets: 2:00PM – 3:00PM, Online
Speaker: NA
Title: NA
Online - See Seminar Website.

Complex Analysis and Dynamics Seminar
Website: http://qcpages.qc.cuny.edu/~zakeri/seminar.html
Meets: 2:00PM - 3:30PM, Online
Speaker: NA
Title: NA
Contact Organizer: Saeed Zakeri (Saeed.Zakeri@qc.cuny.edu)

CUNY Logic Workshop
Website: Logic Workshop | NYlogic
Meets: 2:00PM - 3:00PM, Online
Speaker: NA
Title: NA
Online - See Seminar Website.

Set Theory Seminar
Website: https://nylogic.github.io/set-theory-seminar.html
Meets: 2:00PM- 3:00PM, Online
Speaker: Eyal Kaplan, Tel Aviv University
Title: Non-stationary support iterations of Prikry forcings and restrictions of ultrapower embeddings to
the ground model, part II
Contact Organizer: Victoria Gitman (vgitman@nylogic.org)

Commutative Algebra & Algebraic Geometry Seminar
Website: http://websupport1.citytech.cuny.edu/Faculty/hschoutens/CAAG.html
Meets: 4:00PM – 5:00PM, Online
Speaker: NA
Title: NA
Online- Contact Organizer: Hans Schoutens (hschoutens@citytech.cuny.edu)

NY Group Theory Seminar
Website: NY Group Theory Cooperative - Fall 2021 (google.com)
Meets: 4:00PM - 5:00PM, Online
Speaker: Andrey Nikolaev and Alexei Myasnikov, Stevens Institute of Technology
Title: NA
Online - See Seminar Website