CUNY Mathematics Seminars Bulletin - CUNY Ph.D. Program in Mathematics

---------- Fall 2022 | Monday, November 7, 2022---------

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.

Seminars are now listed as “Hyflex” or “In Person” based on what the information provided by the Seminar Organizer. Many seminars plan to be “In Person” during the Fall 2022 semester so always make sure you know where the seminar is held. We will only list seminars that are “In Person” or have an in person component totally remote seminars will not be listed on the bulletin but listed on the math webpage under seminars Seminars | CUNY Graduate Center.

Always check the seminar's website (if provided) or contact the seminar organizer for the most current information including updates and abstracts. Special Events, if any, are listed at the end.

If a seminar is “In Person”, you must follow all the COVID related rules and guidelines to enter the building. All details are here: https://gc.cuny.edu/News/COVID-19-Information-and-Safe-Campus-Reopening

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 7

Student Research Seminar- Graduate Student Colloquium
Website: Seminars and Colloquia - 2022-2023 (google.com)
Meets: 4:15PM-6:15PM, Room 6417
Speaker: Ilya Kapovich
Title: Groups as geometric objects

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TUESDAY, November 8

Student Logic Seminar
Website: Schedule (google.com)
Meets: 1:00PM – 2:00PM, Room 3212 (time change)
Speaker: Ben Goodman
Title: Godel's Constructible Universe

Einstein Chair Seminar
Website: Einstein Chair Mathematics Seminar | CUNY Graduate Center
Meets: 2:00PM – 4:00PM, Room 6417
Speaker: NA
Title: NA
No Seminar today

Geometry and Topology Student Seminar
Website: Geometry and Topology Student Seminar (cuny.edu)
Meets: 2:30PM – 4:00PM, Room 6495
Speaker: Yushan Jiang, CUNY GC
Title: A Brief Introduction to the famous Virtual Haken Conjecture

CUNY Geometry and Topology Seminar
Website: CUNY Geometry and Topology Seminar
Meets: 4:15PM – 5:15PM, Room 5382
Speaker: Inhyeok Choi, KAIST
Title: Random subgroup is quasi-isometrically embedded

CUNY Probability Seminar
Website: https://probability.commons.gc.cuny.edu/
Meets: 4:30PM – 5:30PM, Room 4102
Speaker: Jiaqi Liu
Title: Yaglom-type limits for branching Brownian motion with absorption in the slightly subcritical regime
Contact Organizer: Emma Bailey (bailey.emmacharlotte@gmail.com)

Models of Peano Arithmetic (MOPA)
Website: https://nylogic.github.io/MOPA.html
Meets: 7:00M-8:00PM, Online
Speaker: Roman Kossak, CUNY
Title: Generalized quantifiers in arithmetic
Contact Organizer: Victoria Gitman (vgitman@nylogic.org)
**WEDNESDAY, November 9**

**Class Field Theory Student Learning Seminar**  
Website: [https://sites.google.com/view/cunycft/](https://sites.google.com/view/cunycft/)  
Meets: 11:45AM- 1:45PM, (Hyflex-In Person & Online simultaneously) Room 4214.03  
Speaker:  
Title: NA

**Automorphic Forms and Representations Study Group**  
Website: [Seminars and Colloquia - Automorphic Forms and L-functions Student Seminar (google.com)](http://www.math.rutgers.edu/~bumby/nyntsem/)  
Meets: 4:15PM- 6:15PM, Room 4214.03  
Speaker: Nathaniel Kingsbury  
Title: Artin L-functions and Langlands functoriality

**The New York City Category Theory Seminar**  
Website: [Category Theory Seminar (cuny.edu)](https://www.gc.cuny.edu/events/fall-2022-thanksgiving-talk-potluck)  
Meets: 7:00PM- 8:30PM, Room 6417  
Speaker: Andrei Rodin, University of Lorraine, Nancy, France  
Title: Kolmogorov’s Calculus of Problems and Homotopy Type theory.

**THURSDAY, November 10**

**New York Number Theory Seminar**  
Website: [http://www.math.rutgers.edu/~bumby/nyntsem/](http://www.math.rutgers.edu/~bumby/nyntsem/)  
Meets: 2:30PM - 4:00PM, (Hyflex-In Person & Online simultaneously) Room 4419  
Speaker:  
Title: NA  
No Seminar Today  
Online - See Seminar Website

**FALL 2022 THANKSGIVING TALK + POTLUCK**  
Website: [https://www.gc.cuny.edu/events/fall-2022-thanksgiving-talk-potluck](https://www.gc.cuny.edu/events/fall-2022-thanksgiving-talk-potluck)  
Meets: 3:00PM, Room, 4214: Math Lounge  
Speaker: Delaram Kahrobaei, Professor of Mathematics at CUNY Queens College, Professor of Computer Science, CUNY Queens College, Honorary Chair of Cybersecurity University of York, UK  
Title: Applied Group Theory in the Quantum and Artificial Intelligence Era  
Online - See Website for details

**CUNY Geometric Analysis Seminar**  
Website: [CUNY Geometric Analysis Seminar (lehman.edu)](https://sites.google.com/view/cunycft/)  
Meets: 4:15PM-5:15PM, Room 6496  
Speaker: Stefano Nardulli  
Title: Lusternik-Schnirelman and Morse Theory for the Van der Waals-Cahn-Hilliard equation with volume constraint
Nonlinear Analysis and PDEs seminar
Website: Marcello LUCIA - Nonlinear Analysis Seminar (cuny.edu)
Meets: 4:15PM-5:15PM, Room 6496
Speaker: Stefano Nardulli, Universidad Federal do ABC
Title: Lusternik-Schnirelman and Morse Theory for the Van der Waals-Cahn-Hilliard equation with volume constraint
JOINT SEMINAR with Geometric Analysis Seminar
Online - See Seminar Website

New York Joint Columbia-CUNY-NYU Number Theory Seminar
Website: ScheduleJointNTS35.html (columbia.edu)
Tea: 5:00PM-5:30PM, Columbia University, Math Lounge
Meets: 5:30PM - 6:30PM, Room 520
Speaker: Vesselin Dimitrov, IAS, Princeton
NEW RESULTS IN TRANSCENDENCE BY
Title: NEW RESULTS IN TRANSCENDENCE BY ARITHMETIC HOLONOMY BOUNDS
Contact Victor Kolyvagin at VKolyvagin@gc.cuny.edu to register.
Online - See Seminar Website

FRIDAY, November 11

Kolchin Seminar in Differential Algebra
Website: https://sites.google.com/view/kolchin2021
Meets: 10:15AM- 11:30AM, (Hyflex-In Person & Online simultaneously) Room 6495
Speaker: Galina Filipuk, University of Warsaw
Title: NA
Online - See Seminar Website

Learning Seminar on Ergodic Theory and Dynamical Systems and Related Topics
Website: https://qcpages.qc.cuny.edu/~yjiang/HomePageYJ/LinkPages/TeachingPages/GCLinkFiles/Fall2022/Fall2022.html
Meets: 11:00AM- 1:00PM, Room 3212
Speaker: Yuan (Jessica) Liu
Title: On Gowers norm and orders of oscillations in ergodic theory
Online - See Seminar Website

Set Theory Seminar
Website: https://nylogic.github.io/set-theory-seminar.html
Meets: 12:15PM- 1:45PM, (Hyflex-In Person & Online simultaneously) Room 6495
Speaker: Peter Holy, Technical University of Vienna
Title: Asymmetric Cut and Choose Games
Contact Organizer: Victoria Gitman (vgitman@nylogic.org)
**Differential Geometry, Topology, and Special Structures**
Website: [http://qcpages.qc.cuny.edu/~swilson/DGTsem.html](http://qcpages.qc.cuny.edu/~swilson/DGTsem.html)
Meets: 11:45AM – 1:45PM, Room 6417
Speaker: Prof. Amir Babek Aazami, Clark University
Title: On the geometry of pp-wave spacetimes

**New York Combinatorics Seminar**
Website: [Seminar (nycombinatorics.org)](http://nycombinatorics.org)
Meets: 11:45AM – 12:45PM, Room 4419
Speaker: NA
Title: NA
No talk today
Contact Organizer: Sandra Kingan ([skingan@brooklyn.cuny.edu](mailto:skingan@brooklyn.cuny.edu))

**Computability Seminar**
Meets: 12:00PM – 1:30PM, Room 4214.03
Speaker: Emma Dinowitz
Title: Infinitary Logic
Contact Organizer: Russell Miller ([Russell.Miller@qc.cuny.edu](mailto:Russell.Miller@qc.cuny.edu))

**BEAG seminar (Beginners Explorations in Algebraic Geometry)**
Website: [https://lagcc-cuny.digication.com/beag/FALL_2022](https://lagcc-cuny.digication.com/beag/FALL_2022)
Meets: 1:45PM – 2:45PM, Room 6496
Speaker: NA
Title: NA
Contact Organizer: Małgorzata Marciniak ([mmarciniak@lagcc.cuny.edu](mailto:mmarciniak@lagcc.cuny.edu))

**Complex Analysis and Dynamics Seminar**
Website: [Complex Analysis and Dynamics Seminar at CUNY's GC](https://lagcc-cuny.digication.com/beag/FALL_2022)
Meets: 2:00PM - 3:00PM, Room 5417
Speaker: Yunping Jiang, Queens College and The Graduate Center
Title: NA

**CUNY Logic Workshop**
Website: [https://nylogic.github.io/logic-workshop.html](https://nylogic.github.io/logic-workshop.html)
Meets: 2:00PM - 3:30PM, Room 6417
Speaker: NA
Title: NA
No seminar

**CUNY GC Harmonic Analysis and PDE Seminar**
Website: [CUNY Graduate Center Harmonic Analysis and PDEs Seminar](https://lagcc-cuny.digication.com/beag/FALL_2022)
Meets: 2:00PM - 3:15PM, Online
Speaker: Aleh 'Oleg' Asipchuk, Florida International University, Department of Mathematics and Statistics
Title: NA
Online - See Seminar Website
NY Group Theory Seminar
Website: NY Group Theory Cooperative - Fall 2022 (google.com)
Meets: 2:15PM- 3:15PM, Room 4102 (different time)
Speaker: Anna Erschler (École Normale Supérieure)
Title: Poisson boundary of groups and Schreier graphs
Online - See Seminar Website

Symbolic-Numeric Computations
Website: Course and Seminar Information For Algebraic Computation At CUNY GC (google.com)
Meets: 4:30PM- 6:00PM, Room 4422
Speaker: Victor Pan
Title: DLG root-squaring for Newton's correction of a polynomial II
Online - See Seminar Website

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Monday, November 14

Student Research Seminar- Graduate Student Colloquium
Website: Seminars and Colloquia - 2022-2023 (google.com)
Meets: 4:15PM-6:15PM, Room 6417
Speaker: Vincent Martinez
Title: The Mystery of Turbulence: A mathematician's perspective

CUNY GC Math Dissertation Seminar
Website: CUNY GC Math Dissertation Seminar (google.com)
Meets: 3:00PM-4:00PM, Room 5417
Speaker: NA
Title: NA

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TUESDAY, November 15

Student Logic Seminar
Website: Schedule (google.com)
Meets: 12:45PM – 2:00PM, Room 3212
Speaker: Ben Goodman
Title: Paradoxical Partitions of the Reals in ZF + "all sets are measurable"

Einstein Chair Seminar
Website: Einstein Chair Mathematics Seminar | CUNY Graduate Center
Meets: 2:00PM – 4:00PM, Room 6417
Speaker:
Title: NA
No Seminar today

Geometry and Topology Student Seminar
Website: Geometry and Topology Student Seminar (cuny.edu)
Meets: 2:30PM – 4:00PM, Room 6495
Speaker:
Title: NA

CUNY Geometry and Topology Seminar
Website: CUNY Geometry and Topology Seminar
Meets: 4:15PM – 5:15PM, Room 5382
Speaker: Ben Cooper, Iowa
Title: An incompatibility between spectrification and the Szabo spectral sequence

CUNY Probability Seminar
Website: https://probability.commons.gc.cuny.edu/
Meets: 4:30PM – 5:30PM, Room 4102
Speaker:
Title: NA
*NEPS week: No seminar*
Contact Organizer: Emma Bailey (bailey.emmacharlotte@gmail.com)

WEDNESDAY, November 16

Class Field Theory Student Learning Seminar
Website: https://sites.google.com/view/cunycft/
Meets: 11:45AM- 1:45PM, (Hyflex-In Person & Online simultaneously) Room 4214.03
Speaker:
Title: NA
Automorphic Forms and Representations Study Group
Website: Seminars and Colloquia - Automorphic Forms and L-functions Student Seminar (google.com)
Meets: 4:15PM- 6:15PM, Room 4214.03
Speaker:
Title: NA

The New York City Category Theory Seminar
Website: Category Theory Seminar (cuny.edu)
Meets: 7:00PM- 8:30PM, Room 6417
Speaker:
Title: NA

THURSDAY, November 17

New York Number Theory Seminar
Website: http://www.math.rutgers.edu/~bumby/nyntsem/
Meets: 2:30PM - 4:00PM, (Hyflex-In Person & Online simultaneously) Room 4419
Speaker:
Title: NA
Online - See Seminar Website

CUNY Geometric Analysis Seminar
Website: CUNY Geometric Analysis Seminar (lehman.edu)
Meets: 4:15PM-5:15PM, Room 6496
Speaker: Marcos Petrúcio Cavalcante
Title: NA

Nonlinear Analysis and PDEs seminar
Website: Marcello LUCIA - Nonlinear Analysis Seminar (cuny.edu)
Meets: 4:15PM-5:15PM, Room 6496
Speaker:
Title: NA
No Meeting
Online - See Seminar Website

New York Joint Columbia-CUNY-NYU Number Theory Seminar
Website: ScheduleJointNTS35.html (columbia.edu)
Tea: 5:00PM-5:30PM, NYU, Courant Institute
Meets: 5:30PM - 6:30PM, NYU, Warren Weaver Hall, Room 317
Speaker: Robert Hough, Stony Brook University
Title: NA
Contact Victor Kolyvagin at VKolyvagin@gc.cuny.edu to register
Online - See Seminar Website
FRIDAY, November 18

GC MATHFEST Fall 2022
Hosted by the Graduate Center, City University of New York
Meets: 10:00AM- 2:30PM, Room 4214
Website: Mathfest Fall 2022 | CUNY Graduate Center

Kolchin Seminar in Differential Algebra
Website: https://sites.google.com/view/kolchin2021
Meets: 10:15AM- 11:30AM, (Hyflex-In Person & Online simultaneously) Room 6495
Speaker: Marc Härköněn, MPI, MIS
Title: NA
Online - See Seminar Website

Learning Seminar on Ergodic Theory and Dynamical Systems and Related Topics
Website: https://qcpages.qc.cuny.edu/~yjiang/HomePageYJ/LinkPages/TeachingPages/GCLinkFiles/Fall2022/Fall2022.html
Meets: 11:00AM- 1:00PM, Room 3212
Speaker: Bryce Gollobit
Title: Classification of infinite-dimension linear dynamics.
Online - See Seminar Website

Set Theory Seminar
Website: https://nylogic.github.io/set-theory-seminar.html
Meets: 12:15PM- 1:45PM, Online
Speaker: Brent Cody Virginia Commonwealth University
Title: NA
Contact Organizer: Victoria Gitman (vgitman@nylogic.org)

Differential Geometry, Topology, and Special Structures
Website: http://qcpages.qc.cuny.edu/~swilson/DGTsem.html
Meets: 11:45AM – 1:45PM, Room 6417
Speaker: Kevin Smith, Columbia U.
Title: The continuity equation on Hopf and Inoue surfaces

New York Combinatorics Seminar
Website: Seminar (nycombinatorics.org)
Meets: 11:45AM – 12:45PM, Room 4419
Speaker: Abigail Raz, Cooper Union
Title: The Iterative Independent Model
Contact Organizer: Sandra Kingan (skingan@brooklyn.cuny.edu)
**Computability Seminar**
Meet: 12:00PM – 1:30PM, Room 4214.03
Speaker: 
Title: NA
Seminar cancelled due to GC MathFest
Contact Organizer: Russell Miller (Russell.Miller@qc.cuny.edu)

**BEAG seminar (Beginners Explorations in Algebraic Geometry)**
Website: https://lagcc-cuny.digication.com/beag/FALL_2022
Meet: 1:45PM – 2:45PM, Room 6496
Speaker: 
Title: NA
Contact Organizer: Małgorzata Marciniak (mmarciniak@lagcc.cuny.edu)

**Complex Analysis and Dynamics Seminar**
Website: Complex Analysis and Dynamics Seminar at CUNY's GC
Meet: 2:00PM - 3:00PM, Room 5417
Speaker: 
Title: NA
Seminar cancelled due to GC MathFest

**CUNY Logic Workshop**
Website: https://nylogic.github.io/logic-workshop.html
Meet: 2:00PM - 3:30PM, Room 6417
Speaker: Dima Sinapova, Rutgers University
Title: NA

**CUNY GC Harmonic Analysis and PDE Seminar**
Website: CUNY Graduate Center Harmonic Analysis and PDEs Seminar
Meet: 2:00PM - 3:15PM, 4214.03
Speaker: David Goluskin, University of Victoria, Department of Mathematics and Statistics
Title: NA
Online - See Seminar Website

**NY Group Theory Seminar**
Website: NY Group Theory Cooperative - Fall 2022 (google.com)
Meet: 4:15PM- 6:30PM, Room 6417
Speaker: Alexei Myasnikov, Stevens Institute of Technology
Title: NA
Online - See Seminar Website

**Symbolic-Numeric Computations**
Website: Course and Seminar Information For Algebraic Computation At CUNY GC (google.com)
Meet: 4:30PM- 6:00PM, Room 4422
Speaker: 
Title: NA
Online - See Seminar Website
Future Events

Conference: "Four Decades of the Einstein Chair Seminar"
Website: Four Decades of the Einstein Chair Seminar | CUNY Graduate Center
January 17-19, 2023, The Graduate Center, Room 4102
For more information as well as registration click here.