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

**------------- Fall 2024 | Monday, November 11, 2024-------**

Seminars are listed below in chronological order and usually show information for the current week and the following week's seminars based on the information provided by the seminar organizer.  Special events are listed at the end of the second week.

Seminars run when classes are in session.

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 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.

# MONDAY, November 11

**Algebraic Geometry and Commutative Algebra Student Learning Seminar**
Website: https://sites.google.com/view/cunyagcastudentseminar/home
Meets: 12:30PM - 1:45PM, Room 4214.03
Speaker:
Title: NA
Not meeting this week.

**Graduate Forum in Probability Seminar**
Website: https://probability.commons.gc.cuny.edu/graduate-forum-in-probability/
Meets: 2:00PM –4:00PM, Room 9116
Speaker:
Title: NA

**Student Research Seminar- Graduate Student Colloquium**
Website: https://sites.google.com/site/gradcenterseminars/current-seminars/graduate-student-colloquium/2024-2025
Meets: 4:15PM-6:15PM, Room 5417
Speaker:
Title: NA
Not meeting this week.

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# TUESDAY, November 12

**Einstein Chair Seminar**
Website: [Einstein Chair Mathematics Seminar | CUNY Graduate Center](#)
Meets: 1:30PM –2:30PM, Room 6417
Speaker:
Title: NA

**Geometry and Topology Student Seminar**
Website: https://www.math.csi.cuny.edu/abhijit/studentseminar/
Meets: 1:30PM –2:30PM, Room 4214.03
Speaker:
Title: NA

**Hyperbolic Geometry Seminar**
Website: [Hyperbolic Geometry Seminar (google.com)](#)
Meets: 2:45PM- 3:45PM, Room 6495
Speaker: Matt Stover (Temple University)
Title: One-cusped negatively curved manifolds

**GC Arithmetic Geometry Seminar**
Website: https://sites.google.com/view/gc-arithmetic-geometry/home
Meets: 3:00PM – 4:00PM, Hyflex (In Person & Online simultaneously) Room 9116
Speaker:
Title: NA
Not meeting this week.
Contact organizer: Krzysztof.Klosin@qc.cuny.edu for meeting id

**CUNY Geometry and Topology Seminar**
Website: [CUNY Geometry and Topology Seminar](#)
Meets: 4:15PM – 5:30PM, Room 6417
Speaker: Paige Hillen (UCSB)
Title: Lattices of Large Systole Containing a Fixed 3-Manifold Group
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# WEDNESDAY, November 13

**The New York City Category Theory Seminar**
Website: [Category Theory Seminar (cuny.edu)](Category Theory Seminar (cuny.edu))
Meets: 7:00PM - 8:30PM, Room 6417
Speaker: Emilio Minichiello, CUNY CityTech
Title: Decision Problems on Graphs with Sheaves
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# THURSDAY, November 14

**CUNY Number Theory Student Seminar**
Website: https://sites.google.com/view/cunyntss
Meets: 12:15AM - 1:15PM, Hyflex (In Person & Online simultaneously) Room 4214.03
Speaker: Ajith Nair
Title: NA
Contact organizer: Ajmain Yamin ayamin@gradcenter.cuny.edu for meeting id

**Geometric Group Theory Reading Group Seminar**
Website: CUNY GGT Reading Group (google.com)
Meets: 2:00PM - 4:00PM, Room 9116
Speaker: Yushan Jiang
Title: NA

**Surface Dynamics Student Seminar**
Website: https://sites.google.com/site/enriquepujalsgc/home/sds
Meets: 2:00PM - 4:00PM, Room 6417
Speaker:
Title: NA

**New York Number Theory Seminar**
Website: https://www.theoryofnumbers.com/NewYorkNumberTheorySeminar/aNYNTS-2024-Fall.pdf
Meets: 2:30PM – 4:00PM, Hyflex (In Person & Online simultaneously) Room 4419
Speaker: Senia Sheydvasser, Bates College
Title: Distribution of Ulam words

**Learning Seminar in Fundamentals of Data Analysis**
Website: https://sites.google.com/view/cunyfda/home
Meets: 4:15PM-5:15PM, Hyflex (In Person & Online simultaneously), Room 4214-03
Speaker: Wenjian Liu (Queensborough Community College, CUNY)
Title: Introduction to Probabilistic Inference in Graphical Models

**CUNY Geometric Analysis Seminar**
Website: CUNY Geometric Analysis Seminar
Meets: 4:15PM-6:15PM, Hyflex (In Person & Online simultaneously) Room 6417
Speaker1 (4:15-5:15PM): Chao Li (Courant Institute of Mathematical Sciences NYU)
Title1: Boundary Regularity of Capillary Minimizing Hypersurfaces
Speaker2 (5:30-6:15PM): Marcello Lucia (College of Staten Island and CUNY Graduate Center)
Title2: A Mountain Pass Theorem and Moduli Spaces of Minimal Immersions In Hyperbolic 3-Manifolds

**New York Joint Columbia-CUNY-NYU Number Theory Seminar**
Website: Joint-NTS.html (columbia.edu)
Tea: 5:00PM-5:30PM, NYU - Warren Weaver Hall Room 517
Meets: 5:30PM-6:30PM, NYU - Warren Weaver Hall Room 517
Speaker: Manish Patnaik, University of Alberta, Canada
Title: Borel-Serre Type Constructions for Loop Groups

**Nonlinear Analysis and PDEs seminar**
Website: Marcello LUCIA - Nonlinear Analysis Seminar (cuny.edu)
Meets: 6:30PM-8:00PM, Hyflex (In Person & Online simultaneously) Room 6417
Speaker: Chao Li (NYU-Courant Institute)
Title: NA

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# FRIDAY, November 15

**Learning Seminar in Analysis & PDEs**
Website: CUNY HA/PDE - Learning Seminar
Meets: 10:00AM – 11:00AM, Room 9116
Speaker:
Title: Sobolev spaces/the L infinity Sobolev inequality

**Topological K-Theory Study Group**
Website: https://yfei.page/seminars/k-theory/
Meets: 10:30AM- 11:30AM, Room 4214.03
Speaker: David Pham (QCC)
Title: Definition and Properties of Characteristic Classes - II

**Learning Seminar on Ergodic Theory and Dynamical Systems and Related Topics**
Website: https://tamara.ccny.cuny.edu/seminar.html
Meets: 11:00AM- 12:00PM, Room 5417
Speaker: Yuri Lima, Universidade Federal do Ceará, Brasil
Title: Measures Of Maximal Entropy for Non-Uniformly Hyperbolic Maps

**Set Theory Seminar**
Website: https://nylogic.github.io/set-theory-seminar.html
Meets: 11:00AM – 12:30PM, Hyflex (In Person & Online simultaneously), Room 3207
Speaker: Philipp Schlicht, Kurt Gödel Research Center
Title: Definable Hypergraphs on Large Spaces
Email Victoria Gitman(vgitman@gmail.com) for meeting id.

**Differential Geometry, Topology, and Special Structures**
Website: Differential Geometry, Topology, and Special Structures Seminar
Meets: 11:45AM – 1:45PM, Room 4419
Speaker: Prof. Guangbo Xu (Rutgers U.)
Title: Quantum Kirwan Map for Symplectic Quotients

**POLYNOMIAL AND MATRIX COMPUTATIONS**
Website: https://sites.google.com/view/polynomials-matrices-comp/home
Meets: 11:50AM – 1:20PM, Room 5382
Speaker:
Title: NA

**New York Combinatorics Seminar**
Website: Seminar (nycombinatorics.org)
Meets: 12:00PM – 1:30PM, Room 9116
Speaker: Marie Kramer (Syracuse University)
Title: Graph Embeddings & Torus Obstructions

**Complex Analysis and Dynamics Seminar**
Website: Complex Analysis and Dynamics Seminar at CUNY's GC
Meets: 1:45PM - 2:45PM, Room 5417
Speaker: Xinlong Dong (Kingsborough Community College)
Title: Divergent Geodesics in the Universal Teichmüller Space

# FRIDAY, November 15 (continued)

**CUNY Logic Workshop**
Website: https://nylogic.github.io/logic-workshop.html
Meets: 2:00PM - 3:45PM, Room 4419
Speaker: Russell Miller, CUNY
Title: Computable Reductions on Groups and Fields

**Harmonic Analysis and PDE seminar**
Website: https://sites.google.com/view/cuny-hapde/home
Meets: 2:00PM – 4:00PM, Room 9116
Speaker: Jackie Lok (Princeton)
Title: A Subspace Constrained Randomized Kaczmarz Method

**Ergodic Theory and Dynamical Systems**
Website: https://tamara.ccny.cuny.edu/seminar.html
Meets: 3:00PM – 4:00PM, Room 5417
Speaker: Yuri Lima, Universidade Federal do Ceará, Brasil
Title: Measures Of Maximal Entropy for Non-Uniformly Hyperbolic Maps

**Commutative Algebra and Algebraic Geometry Seminar**
Website: https://openlab.citytech.cuny.edu/caag/
Meets: 4:00PM - 5:00PM, Room 4214.03
Speaker: Ben Blum-Smith, Johns Hopkins University
Title: Degree Bounds for Rational Invariants (v2.0)

**NY Group Theory Seminar**
Website: https://sites.google.com/site/nygrouptheory/fall-2024
Meets: 4:15PM- 6:15PM, Room 5417
Speaker: Paige Hillen (UCSB)
Title: Latent Symmetry of Graphs and Stretch Factors in Out(F_n)

**BEAG Seminar (Beginners Explorations in Algebraic Geometry)**
Website: https://lagcc-cuny.digication.com/beag/FALL_2024
Meets: 5:30 PM- 6:30PM, Online only
Speaker:
Title: NA
Online only Contact: Hans Schoutens HSchoutens@CityTech.Cuny.Edu or Malgorzata Marciniak <mmarciniak@lagcc.cuny.edu
Not meeting this week.

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# MONDAY, November 18

**Algebraic Geometry and Commutative Algebra Student Learning Seminar**
Website: https://sites.google.com/view/cunyagcastudentseminar/home
Meets: 12:30PM - 1:45PM, Room 4214.03
Speaker: Valera Sergeev
Title: NA

**Graduate Forum in Probability Seminar**
Website: https://probability.commons.gc.cuny.edu/graduate-forum-in-probability/
Meets: 2:00PM –4:00PM, Room 9116
Speaker:
Title: NA

**Student Research Seminar- Graduate Student Colloquium**
Website: https://sites.google.com/site/gradcenterseminars/current-seminars/graduate-student-colloquium/2024-2025
Meets: 4:15PM-6:15PM, Room 5417
Speaker: Sandra Kingan
Title: NA

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# TUESDAY, November 19

**Einstein Chair Seminar**
Website: [Einstein Chair Mathematics Seminar | CUNY Graduate Center](#)
Meets: 1:30PM –2:30PM, Room 6417
Speaker:
Title:

**Geometry and Topology Student Seminar**
Website: https://www.math.csi.cuny.edu/abhijit/studentseminar/
Meets: 1:30PM –2:30PM, Room 4214.03
Speaker:
Title: NA

**Hyperbolic Geometry Seminar**
Website: [Hyperbolic Geometry Seminar (google.com)](#)
Meets: 2:45PM- 3:45PM, Room 6495
Speaker:
Title: NA

**GC Arithmetic Geometry Seminar**
Website: https://sites.google.com/view/gc-arithmetic-geometry/home
Meets: 3:00PM – 4:00PM, Hyflex (In Person & Online simultaneously) Room 9116
Speaker: John Cullinan
Title: Explicit Arithmetic in Isogeny-Torsion Graphs
Contact organizer: Krzysztof.Klosin@qc.cuny.edu for meeting id

**CUNY Geometry and Topology Seminar**
Website: [CUNY Geometry and Topology Seminar](#)
Meets: 4:15PM – 5:30PM, Room 6417
Speaker:
Title: NA

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# WEDNESDAY, November 20

**The New York City Category Theory Seminar**
Website: Category Theory Seminar (cuny.edu)
Meets: 7:00PM-8:30PM, Room 6417
Speaker: Arnon Avron, Tel-Aviv University
Title: What is the Structure of the Natural numbers?
Contact N Yanofsky noson@sci.brooklyn.cuny.edu for zoom link
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# THURSDAY, November 21

**CUNY Number Theory Student Seminar**
Website: https://sites.google.com/view/cunyntss
Meets: 12:15AM - 1:15PM, Hyflex (In Person & Online simultaneously) Room 4214.03
Speaker:
Title: NA
Contact organizer: Ajmain Yamin ayamin@gradcenter.cuny.edu for meeting id

**Geometric Group Theory Reading Group Seminar**
Website: CUNY GGT Reading Group (google.com)
Meets: 2:00PM - 4:00PM, Room 9116
Speaker: Shaivi Chavan
Title: NA

**Surface Dynamics Student Seminar**
Website: https://sites.google.com/site/enriquepujalsgc/home/sds
Meets: 2:00PM - 4:00PM, Room 6417
Speaker:
Title: NA

**New York Number Theory Seminar**
Website: https://www.theoryofnumbers.com/NewYorkNumberTheorySeminar/aNYNTS-2024-Fall.pdf
Meets: 2:30PM – 4:00PM, Hyflex (In Person & Online simultaneously) Room 4419
Speaker:
Title: NA
Not meeting this week.

**Learning Seminar in Fundamentals of Data Analysis**
Website: https://sites.google.com/view/cunyfda/home
Meets: 4:15PM-5:15PM, Hyflex (In Person & Online simultaneously), Room 4214-03
Speaker:
Title: NA

**CUNY Geometric Analysis Seminar**
Website: CUNY Geometric Analysis Seminar
Meets: 4:15PM-6:15PM, Hyflex (In Person & Online simultaneously) Room 6417
Speaker:
Title:

**New York Joint Columbia-CUNY-NYU Number Theory Seminar**
Website: Joint-NTS.html (columbia.edu)
Tea: 5:00PM-5:30PM, Room 507
Meets: 5:30PM-6:30PM, Room 507
Speaker:
Title: NA

**Nonlinear Analysis and PDEs seminar**
Website: Marcello LUCIA - Nonlinear Analysis Seminar (cuny.edu)
Meets: 6:30PM-8:00PM, Hyflex (In Person & Online simultaneously) Room 6417
Speaker:
Title: NA

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# FRIDAY, November 22

**Learning Seminar in Analysis & PDEs**
Website: [CUNY HA/PDE - Learning Seminar](#)
Meets: 10:00AM – 11:00AM), Room 9116
Speaker:
Title: Convergence of Fourier Series in "nice" Spaces

**Topological K-Theory Study Group**
Website: https://yfei.page/seminars/k-theory/
Meets: 10:30AM- 11:30AM, Room 4214.03
Speaker:
Title: NA

**Learning Seminar on Ergodic Theory and Dynamical Systems and Related Topics**
Website: https://tamara.ccny.cuny.edu/seminar.html
Meets: 11:00AM- 12:00PM, Room 5417
Speaker:
Title: NA

**Set Theory Seminar**
Website: https://nylogic.github.io/set-theory-seminar.html
Meets: 11:00AM – 12:30PM, Hyflex (In Person & Online simultaneously), Room 3207
Speaker: Alejandro Poveda, Harvard University
Title: NA
Email Victoria Gitman(vgitman@gmail.com) for meeting id.

**Differential Geometry, Topology, and Special Structures**
Website: [Differential Geometry, Topology, and Special Structures Seminar](#)
Meets: 11:45AM – 1:45PM, Room 4419
Speaker: Prof. Qi Yao (Stony Brook U.)
Title:

**POLYNOMIAL AND MATRIX COMPUTATIONS**
Website: https://sites.google.com/view/polynomials-matrices-comp/home
Meets: 11:50AM – 1:20PM, Room 5382
Speaker:
Title: NA

**New York Combinatorics Seminar**
Website: [Seminar (nycombinatorics.org)](#)
Meets: 12:00PM – 1:00PM, Online
Speaker: Rosna Paul, Graz University of Technology, Austria
Title: A Short Primer on Graph Drawings

**Complex Analysis and Dynamics Seminar**
Website: [Complex Analysis and Dynamics Seminar at CUNY's GC](#)
Meets: 1:45PM - 2:45PM, Room 5417
Speaker: Yassin Chandran (The Graduate Center)
Title: NA

# FRIDAY, November 22 (continued)

**CUNY Logic Workshop**
Website: https://nylogic.github.io/logic-workshop.html
Meets: 2:00PM - 3:45PM, Room 4419
Speaker: Alex Kruckman, Wesleyan University
Title: NA

**Harmonic Analysis and PDE seminar**
Website: https://sites.google.com/view/cuny-hapde/home
Meets: 2:00PM – 4:00PM, Room 9116
Speaker: Jincheng Yang (Institute for Advanced Study)
Title: NA

**Ergodic Theory and Dynamical Systems**
Website: https://tamara.ccny.cuny.edu/seminar.html
Meets: 3:00PM – 4:00PM, Room 5417
Speaker:
Title: NA

**Commutative Algebra and Algebraic Geometry Seminar**
Website: https://openlab.citytech.cuny.edu/caag/
Meets: 4:00PM - 5:00PM, Room 4419
Speaker: Aycin Iplikci Arodirik, Ohio State University
Title: NA

**NY Group Theory Seminar**
Website: https://sites.google.com/site/nygrouptheory/fall-2024
Meets: 4:15PM- 6:15PM, Room 5417
Speaker: Francis Wagner (Ohio State University)
Title: Malnormal Subgroups of Finitely Presented Groups

**BEAG Seminar (Beginners Explorations in Algebraic Geometry)**
Website: https://lagcc-cuny.digication.com/beag/FALL_2024
Meets: 5:30 PM- 6:30PM, Online only
Speaker: Shenglan Yuan
Title: NA
Online only Contact: Hans Schoutens HSchoutens@CityTech.Cuny.Edu or Malgorzata Marciniak
<mmarciniak@lagcc.cuny.edu

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# Upcoming Special Events

**Tuesday Nov 12: MathFest**
Location:  Hyflex (zoom & in person at the Graduate Center, Math Lounge (room 4214)
Time: 10am-2:30pm EST