Seminars & Other Research Activities

There are a number of mathematics-related colloquia and seminar series on campus. Some can be taken for credit.

**Broad Interest Talks** (open to the general public)

The **UW-PIMS Colloquium** is a quarterly series of talks sponsored by the UW Department of Mathematics and the Pacific Institute for the Mathematical Sciences.

The **Milliman Lectures** are an annual series of talks held by distinguished figures in the field of mathematics made possible through the Wendell Alfred Milliman Endowed Fund.

**MathAcrossCampus** is a quarterly colloquium series showcasing the application of mathematics and is currently supported by UW's College of Arts and Sciences and the Pacific Institute for the Mathematical Sciences.

**Research seminars**

**Algebra and Algebraic Geometry Seminar** meets on Tuesdays at 2:30pm in PDL C-36. This seminar may be taken for credit as Math 510A. For specific information about receiving credit, contact Paul Smith (smith@math.washington.edu).

**Combinatorics and Geometry Seminar** meets on Wednesdays in PDL C-401 from 4:10-5:10pm, and is preceded by the pre-seminar from 3:30-4pm.

**Current Topics Seminar** meets on Thursdays from 4-5pm in PDL C-36.

**Differential Geometry / Partial Differential Equations (DG/PDE) Seminar** meets on Wednesdays at 4pm in PDL C-36 (unless otherwise noted). This seminar may be taken for credit as Math 550A. For specific information about receiving credit, contact Yu Yuan (yuan@math.washington.edu).

**Dip into Optimization Seminar** meets on Thursdays from 1-2pm in PDL C-36.

**Graduate Student Analysis Seminar** meets on Thursdays from 2:30-3:30pm.

**Inverse Problems Seminar** meets on Mondays from 4:30-5:30pm in PDL C-401.

**Number Theory Seminar** meets on Tuesdays from 11-11:50am in PDL C-401.

**Probability Seminar** meets on Mondays from 2:30-3:30pm in PDL C-401. This seminar may be taken for credit as Math 590. For specific information about receiving credit, contact advising@math.washington.edu.
Rainwater Seminar meets on Tuesdays at 1:30 in PDL C-401. This seminar may be taken for credit. For specific information about receiving credit, contact Tatiana Toro (toro@uw.edu) or Steffen Rohde (rohde@math.washington.edu).

Topology Seminar meets on Thursdays from 2:30-3:30pm.

Trends in Optimization Seminar (TOPS) is typically held on Tuesdays at 4pm.

Undergraduate research

Washington Experimental Mathematics Lab (WXML) is a group of mathematical explorers, with faculty, graduate students, undergraduates, and community members coming together for a journey of discovery. We showcase mathematics as a creative discipline, via experimental, computational, and especially visual mathematics.

Other Research Activities

Cascade Topology Seminar is a semi-annual gathering of topologists from the Pacific Northwest and Southwestern Canada.

Pacific Northwest Geometry Seminar (PNGS) is a regional meeting for geometers of all kinds.

Mathematical Centers

Mathematical Sciences Research Institute (MSRI) is one of the world’s preeminent centers for collaborative research. Researchers —some 2,000 per year—come to MSRI to work in an environment that promotes creativity and the effective interchange of ideas and techniques.

Pacific Institute for the Mathematical Sciences (PIMS) is a community of mathematical scientists in Alberta, British Columbia, Washington State, Saskatchewan and Manitoba. PIMS has built an international reputation for excellence and transformed the conditions of mathematical research in Canada.

Machine Learning and Optimization Group at Microsoft Research focuses on designing new algorithms to enable the next generation of AI systems and applications and on answering foundational questions in learning, optimization, algorithms, and mathematics.

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