Welcome to the Homepage of
Department of Mathematical Sciences
The Department of Mathematical Sciences (DOMS) is a community of mathematicians and mathematical statisticians. We offer degrees at the Bachelor's, Master's and Doctoral level. Thus, besides our faculty and post-doctoral visitors, our community includes a large and valuable cadre of hard-working and talented undergraduate and graduate students.

At the undergraduate level, we have two kinds of degrees: general degrees for majors in Mathematical Sciences are labeled Bachelor of Arts (BA), while our more intensive undergraduate degrees are labeled Bachelor of Science (BS). There are both mathematics tracks and actuarial science tracks within both degrees. For more details, see the page on the undergraduate programs. A minor in mathematics is also possible.

At the graduate level, we have the PhD in Mathematical Sciences, Master of Arts (MA) in Mathematics, and Master of Arts (MA) in Statistics degrees. We cooperate with the Department of Teaching, Learning and Educational Leadership in their Master of Arts in Teaching (MAT) degree for future high school teachers. There is also a combined five-year BA/MAT degree. For more details, see the page on the graduate programs.
While our highest degree is a PhD “in Mathematical Sciences”, a significant number of our doctoral dissertations are written on research topics in mathematical statistics.

All faculty members and post-doctoral visitors are active researchers. The main areas of concentration in the department are: Algebra, Analysis, Combinatorics, Geometry/Topology and Statistics.

Read the page on Graduate Programs for information about financial support for graduate students.

The photos above were taken by Jinghao Li, Ph.D. 15’.

Latest Department News

Click here for the full news archive.

AMS Sectional Meeting to be held in Binghamton in October

A Fall Sectional Meeting of the American Mathematical Society will take place at Binghamton University, Oct. 12-13, 2019, hosted by our department. Here is a link to important information about the meeting from the AMS website: Sectional AMS Meeting Information.

For visitors coming to our campus, we have modified a detailed campus map to show where the talks will be held, where to park, and where the reception will be held on Saturday, Oct. 12, 6:00-7:30 PM. Here is a link to the map as a pdf file: Binghamton University Campus Map for AMS Visitors.

After parking in lot M2, please come to the Lecture Hall building. In the lobby area near Lecture Hall 2, you will find the AMS registration desk. The AMS Book Sale will be located in Lecture Hall 3, as well as an Exhibition and Sale of mathematical artwork by Alex Feingold. The invited addresses will be in Lecture Hall 2. Special sessions will be located in other Lecture Hall rooms and in the Student (Classroom) Wing building attached to the Lecture Hall.

Once you know the room in which your talk will be given, you may learn more about the room and its available technology on the following EdComm Website. Once you are on that page, find the room in either the list of Lecture Hall rooms, or Classroom Wing rooms. Note that the Classroom Wing is marked as the Student Wing on the campus map available above. In most rooms, VGA and/or HDMI cable connections are available for your laptop, allowing you to project slides. The system controlling projectors should be turned on before the first talk each day by volunteers from our department, but you can view video tutorials about those controllers at the bottom of the following webpage: AV Tutorial Videos. The second tutorial about “Laptop Ready Basic Instructions” is especially relevant to speakers and organizers of special sessions in the classrooms.

Here is a summary of the situation for presentations in each room. Every room has projectors and at least one screen if you wish to project slides from your computer. Only five laptops will be available for use if needed, so bring your own. All the rooms being used in the Lecture Hall (LH-4, 5, 11, 12, 13) have a glass whiteboard at the front of the room and a blackboard on the side wall. In the Classroom Wing, Rooms CW-108, 110, 212 and 214 have only writable walls requiring a dry erase marker. Rooms CW-305 and 307 have both a whiteboard and a blackboard. Rooms CW-321, 323, 325, 327, 329 and 331 have only a blackboard at the front of the
room. Dry erase markers and erasers will be available at the AMS Registration Table, but those supplies should be returned at the end of the day to that Table to be ready if needed for the next day.

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BUGCAT 2019 to be held in Binghamton

Binghamton University Graduate Conference in Algebra and Topology (BUGCAT)

The 12th Annual Binghamton University Graduate Conference in Algebra and Topology (BUGCAT) is to be held at Binghamton University, November 2nd and 3rd, 2019.

This year's featured keynotes are Profs. Matthias Beck from San Francisco State University, Johnathan Barmak from la Universidad de Buenos Aires, and Marcelo Aguiar from Cornell University.

Visit the conference home page (to be updated) and the conference Facebook Page, or e-mail gradconf@math.binghamton.edu for more information.

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Older entries >>

Suggestions and comments can be sent to webmaster@math.binghamton.edu