

Call for Proposals

The AMS solicits proposals for minicourses at the 2022 Joint Mathematics Meetings (JMM) to be held January 5–8, 2022 in Seattle, Washington.

Send by: **May 2, 2021** | To: jmmprog-requests@ams.org

Information:

Mathematical and statistical instruction has grown in importance due to the expanding connections between mathematical ideas and computing, interdisciplinary foundational connections, as well as the ever-growing impact of technology on the social, economic, and cultural fabric of our society. In educating a skilled and diverse workforce at both the undergraduate and graduate levels, departments must be able to provide a broad overview as well as learning opportunities for advanced topics in mathematics and statistics. In doing so, departments face a wide range of recent and historical issues and challenges, including interface between online teaching, active learning and inclusive pedagogy, the development of effective foundational courses that address the importance of data analysis and the need for modeling, effective outreach to regional and national communities, collaboration with broader scholarly communities, and increasing diversity and reducing implicit bias in recruitment, hiring, and promotion practices. A major part of this challenge is to broaden access to mathematical and statistical education at all levels, which has important implications for addressing society's most pressing and complex problems and for erasing long-standing socio-economic inequities in our society.

JMM brings together the entire mathematical sciences community. Members of the community are invited to propose minicourses that will provide professional development opportunities for participants and serve to strengthen departments' efforts to meet their responsibilities and challenges. The aim of the minicourse is to provide training that improves mathematical education at all levels, contributes to building a more mathematically literate society, makes mathematics and statistics more attractive as a discipline and career pathway, and enhances the careers of mathematical scientists. Minicourses are expected to be hands-on, and participants should leave with a tangible product. Minicourses are scheduled for two 2-hour sessions.

AMS will provide a total of \$1000 to the designated organizer of approved minicourses. Participants in a minicourse will pay a fee to attend.

Suggested Topics:

- Effective pedagogical and assessment practices for online instruction in the mathematical and statistical sciences (especially given lessons learned from the pandemic),
- Inclusive pedagogy in the mathematical and statistical sciences and curricular practices that promote diversity, equity, and inclusiveness in undergraduate and graduate programs,
- Pedagogical practices that promote active learning in specific mathematical and/or statistical courses,
- Methods for incorporating data science into established undergraduate and/or graduate courses and programs or into established faculty research agendas,
- Innovative implementation of software,
- Interdisciplinary research collaborations within the mathematical community or new connections between mathematics and/or statistics and other subjects, or
- Any mathematical or statistical topic that provides additional training or professional development to faculty and is suited for the minicourse format.

Proposals should include:

1. Type of event (minicourse)
2. Title of the event
3. Name, affiliation, and email address of each organizer, with one organizer designated as the contact person for all communication about the event
4. Information on any sponsoring organizations
5. A brief (no longer than one page) description of the proposed event to include participant takeaways
6. Preferred days
7. A list of other events proposed by the organizer
8. If applicable, a [two-digit MSC \(Mathematics Subject Classification\) number](#) matching the topic of the event or a [three-digit code from the New Expanded Classification System](#) adopted for topics included

Proposals for minicourses should be e-mailed to the JMM Program Committee (jmmprog-requests@ams.org) by **May 2, 2021.**

We look forward to receiving your submissions.