OnLine Seminar on Undergraduate Mathematics Education https://olsume.org

- Sep 12 Curated Courses in Mathematics Petra Bonfert-Taylor, Dartmouth Sara Eichhorn, University of California, Irvine David Farmer American Institute of Mathematics Jim Fowler, Ohio State University
- Sep 26 Rolling the dice: Flipping an introductory probability and statistics class Jerry Orloff and Jon Bloom, Massachusetts Institute of Technology
- Oct 10 Mathematical manipulatives: The MIT Mathlets Haynes Miller and Jennifer French, Massachusetts Institute of Technology
- Oct 24 From lecture to active learning: Rewards for all, and is it really so difficult? David Pengelley, Oregon State University
- Nov 7 MAA's Instructional Practice Guide: Introduction to a new resource Beth Burroughs, Montana State University
- Nov 21 Transforming the gateway: Redesigning large introductory-level courses Teena Gerhardt, Michigan State University
- Dec 5 Active learning at Penn: 2013–2017 Robin Pemantle, University of Pennsylvania
- Dec 19 Supporting graduate students for successful teaching experiences Emily Braley, Harvard University and Duke University Robin Gottleib, Harvard University
- Feb 6 Impacting students' practice of mathematics, especially at critical moments Dev Sinha, University of Oregon
- Feb 20Active learning 2.0: Making it inclusive
Darryl Yong, Harvey Mudd College
- Mar 6 The Illinois Geometry Lab: Fostering a culture of undergraduate research and community engagement in mathematics departments Jeremy Tyson, University of Illinois at Urbana-Champaign
- Apr 3 Mathematics emporium with adaptive technology Andrew Tonge, Kent State University
- Apr 17 A radical approach to calculus David Bressoud, Macalester College
- May 1 The Inquiry Oriented Differential Equations Project Chris Rasmussen, San Diego State University
- May 15 Inquiry based learning calculus Angie Hodge, University of Nebraska Omaha

- Sep 18 Rising to the challenge of diversifying the mathematics community Allisa Crans, Loyola Marymount University Dave Kung, St. Mary's College of Maryland
- Oct 2 Active Calculus Matt Boelkins, Grand Valley State University
- Oct 16 Educating the future professoriate: Summer Institute for Graduate Teaching Assistants Catherine Snyder, Peter Turner, Seema Rivera, Clarkson University
- Oct 30 The College Mathematics Instructor Development Source (CoMInDS): Supporting faculty who provide professional development to the next generation of college mathematics instructors Jack Bookman, Duke University Natasha Speer, University of Maine
- Nov 13 Ask. Don't tell. Alfonso Gracia-Saz, University of Toronto
- Nov 27 Teaching students to communicate as mathematicians: threshold concepts and their application at MIT Susan Ruff, Massachusetts Institute of Technology
- Dec 11 A mathematics learning community on inclusive teaching Gavin LaRose, University of Michigan
- Feb 5 Inquiry and engagement in an interactive classroom Annalisa Crannell, Franklin and Marshall College
- Feb 19Redesigning a large linear algebra service course a travel reportPhilipp Hieronymi, University of Illinois at Urbana-Champaign
- Mar 5 Teaching probability and statistics from a purely Bayesian point of view Sanjoy Mahajan, Olin College of Engineering
- Mar 19 Video textbooks in the active learning classroom Mike Weimerskirch, University of Minnesota
- Apr 2 Inquiry based learning at Michigan Ralf Spatzier, University of Michigan
- Apr 30 Active learning in calculus at Cornell Steve Bennoun and Tara Holm, Cornell University
- May 14 Managing college group work and creating groupworthy tasks Eric Hsu, San Francisco State University

- Sep 10 Course-based undergraduate research experiences: Two examples Sunil Chebolu, Illinois State University Haynes Miller, Massachusetts Institute of Technology
- Sep 24 A focus on student buy-in: Why it matters and what to do about it Stan Yoshinobu, California Polytechnic State University
- Oct 8 Student-centered assessment of mathematical proficiency Benjamin Braun, University of Kentucky
- Nov 5 Integrating sustainability into the mathematics curriculum Bree Ettinger, Emory University
- Nov 19 Incorporating service-learning into math courses Sara Billey, University of Washington
- Dec 3 Co-creating interactive online exercises Annoesjka Cabo, Delft University of Technology
- Feb 4A scalable hybrid introductory ODE courseDave Levermore, University of Maryland, College Park
- Feb 18 Who are we?: On the diversity and demographics of the mathematics community Ron Buckmire, Occidental College
- Mar 17 Active learning online: A panel discussion Rick Cleary, Babson College Rachel Levy, MAA Mike Weimerskirsch, University of Minnesota
- Mar 31 TPSE's top ten things every online instructor should do Abbe Herzig, AMS Dave Kung, TSPE
- Apr 7 Keep it active: Engaging students in virtual classrooms Rena Levitt, Minerva Schools at KGI
- Apr 14 Calculus in context: Introducing calculus ideas through epidimeology models Eric Stade, University of Colorado, Boulder
- Apr 28 Project-based learning Rachel Levy, Mathematical Association of America
- May 12 What mathematical knowledge improves high school math teaching? Yvonne Lai, University of Nebraska, Lincoln
- May 26 Reliable classification of classroom practices using lecture recordings George Kinnear, University of Edinburgh

- Sep 15 A touch of calculus: Shaking up the pre-requisite structure of college mathematics Rick Cleary, Babson College
- Sep 29 Assessing students' proofs online Chris Sangwin, University of Edinburgh
- Oct 13 Creating accessible materials Rob Beezer, University of Puget Sound
- Oct 27 Quantitative reasoning and intellectual need as design principles for instructional materials Jason Martin, University of Central Arkansas, Michael Tallman, Oklahoma State, Matt Thomas and Aaron Weinberg, Ithaca College
- Nov 10 Welcoming freshmen to the world of mathematics Uri Treisman and Erica Winterer, University of Texas, Austin
- Dec 1 A fun, engaging, and effective approach to teaching calculus Shay Fuchs, University of Toronto
- Dec 15 Tuning up your remote mathematics teaching Maria Anderson, Westminster College
- Jan 5 Meaningful, motiving online assessments Paul Bourdon, University of Virginia
- Jan 19 The value of computational thinking in statistics education Jo Hardin, Pomona College
- Feb 2Mathematical proof, online assessment, and high school connections
in first-year discrete mathematics
Doug Ensley, Shippensburg University
- Feb 16 Using inquiry and active learning in mathematics and how COMMITs can help Christine von Renesse, Westfield State University
- Mar 2 PrairieLearn: A flexible platform for writing randomized auto-grading questions Matt West, University of Illinois
- Mar 16 Documents for teaching a lesson: Lecture notes and their production Vilma Mesa, University of Michigan
- Mar 30 A course to prepare students for careers in business, industry, and government PIC Math Michael Dorff, Brigham Young University
- Apr 13 The Mathematical Inquiry Project Bus Jaco and Mike Oehrtman, University of Oklahoma
- Apr 27 Mastery-based grading in higher education Silvia Huebach and Sharona Krinsky, Cal State LA
- May 11 Onboarding instructors to an active-learning class Jason Siefken, University of Toronto

- Sep 14 A cheat-proof calculus exam? Lew Ludwig, Denison University
- Sep 28 Linear algebra and deep learning Gil Strang, Massachusetts Institute of Technology
- Oct 12 Incorporating research opportunities in undergraduate math courses Pamela Harris, Williams College
- Oct 26 Manipulative calculus: Active learning with 3D models Stepan Paul, North Carolina State University
- Nov 9 Rethinking linear algebra Rekha Thomas, University of Washington
- Nov 23 Mentoring community college math students through transfer Eddie Tchertchian, Pierce College
- Dec 7 Fostering positive collaboration Kathryn Leonard, Occidental College
- Jan 11 Active learning in a remote classroom Angie Hodge-Zickerman, Northern Arizona University
- Feb 8 Open Textbook Initiative Kent Morrison, American Institute of Mathematics
- Feb 22 New Horizons: Exploring the possibilities and benefits

 of study abroad programs post-pandemic
 Vladimir Ivanov (Math in Moscow)
 Ran Libeskind-Hadas (Aquincum Institute of Technology)
 Ryota Matsuura (Budapest Semesters in Math Education)
 Rogelio Ramos Quiroga (Mathematical Sciences Semesters in Guanajuato)
 Kathryn A. Ziegler-Graham (Budapest Semesters in Mathematics)
- Mar 8 Calculus at multiple scales: Successes and challenges Phil Gressmann, University of Pennsylvania
- Mar 22 Adapting active learning in precalculus and calculus courses to changing conditions Martina Bode, University of Illinois at Chicago
- Apr 5 Geometric reasoning in multivariable calculus Tevian Dray, Oregon State University
- Apr 19 Computer theorem provers in the classroom? Kevin Buzzard, Imperial College London
- May 3 Reimagining mathematical experiences for students in introductory courses Brendan Kelly, Harvard University

- Sep 13 The Inquiry-Oriented Linear Algebra Project Megan Wawro, Virginia Tech
- Sep 27 Reshaping the calculus sequence for engineering majors Gianluca Guadagni, University of Virginia
- Oct 11 Embodied cognition: What is it? How does it involve mathematics? Hortensia Soto, Colorado State University
- Oct 25 Improving student outcomes in mathematics: What do we know? What can we (reasonably) do? Wendy Smith, University of Nebraska
- Nov 8 An implementation of standards-based grading in a large linear algebra class Rose Morris-Wright, Middlebury College
- Nov 22 Assessing mathematical virtues, not just skills Francis Su, Harvey Mudd College
- Dec 6 Reflections on a year at the Museum of Mathematics Steve Strogatz, Cornell University
- Jan 24 Playing from the sidelines: Sports analytics Tim Chartier, Davidson College
- Feb 7 Authentic assessment for today's students Diana Skrzydlo, University of Waterloo
- Mar 7 Using Slopes to enhance learning in differential equations Tim Lucas, Pepperdine University
- Mar 21 Establishing sustainable active learning in linear algebra Marie MacDonald, Cornell University
- Apr 4 The studio and the stadium Fok-Shuen Leung, University of British Columbia
- Apr 18 A survey of programs for preparing graduate students to teach undergraduate mathematics Emily Braley, Johns Hopkins University
- May 2 Using conceptual analysis to resolve the tension between advanced and secondary mathematics: The cases of equivalence and inverse John Paul Cook and April Richardson, Oklahoma State University

- Sep 12 Implementing projects in abstract algebra Judy Holdener, Kenyon College
- Sep 26 Reducing the research to practice gap (R2PG) with faculty team collaboration Sheila Tabanli, Rutgers University
- Oct 10 Teaching dynamics to biology undergrads Alan Garfinkel, UCLA
- Oct 24 Encouraging and supporting the adoption of alternative grading methods in higher education Rachel Weir, Allegheny College
- Nov 7 Active learning in proof-based math courses Lisa Carbone, Rutgers University
- Nov 21 Developing math projects that are authentic and allow student voice and choice Paul Hand, Northeastern University
- Dec 5 Math (Education) for AI safety Lionel Levine, Cornell University
- Feb 6Strategies for equitable and engaging mathematics teaching
Daniel Reinholz, San Diego State University
- Feb 20 The calculus baseline assessment Caroline Junkins, McMaster University
- Mar 5 Designing an inductive course for probability and statistics Niek de Kleijn, Delft University of Technology
- Mar 19 Linear algebra and optimization Ankur Moitra, Massachusetts Institute of Technology
- Apr 2 Building an active classroom using the Active Learning Pedagogy Sequence Suzanne Dorée, Augsburg University Jennifer Quinn, University of Washington, Tacoma
- Apr 16 Rigor in data science Rachel Levy, North Carolina State University
- Apr 30 Deborah Moore-Russo, University of Oklahoma