

Tenure Track Position in Pedagogy Research in Mathematics

Located in downtown Toronto, the largest and most culturally diverse city in Canada and on the territory of the *Anishinaabeg, Haudenosaunee and the Wendat Peoples*, the [Department of Mathematics](#) in the [Faculty of Science](#) at [Ryerson University](#) invites applications for a full-time, tenure-track position in Mathematics with concentration in Mathematical Pedagogy at the Assistant Professor level, commencing on July 1, 2021, subject to final budgetary approval. This position is an integral part of the Faculty of Science Strategic Plan to create a world-class group in Science Education Research, beginning with a cluster of four positions, one in each of Computer Science, Chemistry/Biology, Mathematics and Physics departments.

The successful candidate will: engage in a combination of teaching, scholarly research or creative activity and service duties while maintaining an inclusive, equitable, and collegial work environment across all activities; pursue a strong, innovative research program that is externally funded and that produces cutting-edge, high quality results; contribute to our undergraduate and graduate programs through teaching and student supervision; apply suitable research findings in mathematical pedagogy to make measurable improvements to our undergraduate program in the following areas: 1) Student retention (drop/fail rate) and 2) Quality of course delivery; conduct workshops/clinics to help improve the teaching quality of our graduate students/TAs or any member of the department who so desires; engage in the academic life of the Department, the Faculty, and the University.

The successful candidate must hold an earned PhD in Mathematics or Mathematical Education and it is expected that at least one graduate level university degree will be in Mathematics. The department will also be looking for:

- demonstrated potential for teaching excellence at all levels of the undergraduate curriculum, as evidenced by a teaching dossier that should include a teaching philosophy statement, and any evidence of the following, where applicable: experience with course and curriculum review and/or development, examples of best practices in pedagogy, including effective use of classroom technology and any experience with experiential learning, sample syllabi, strong teaching evaluations, a commitment to student training and professional development, teaching awards, and other relevant achievements in teaching;
- experience or the potential for teaching a variety of university-level courses in Mathematics;
- strong, emerging scholarly research in the area of mathematical education that is current, innovative and impactful as evidenced by, but not limited to, peer-reviewed publications, working papers, public policy contributions, presentations at academic conferences, community and professional work, grants, research related awards and other writing or creative production that contributes to the visibility and prominence of the discipline.
- commitment to our values of Equity, Diversity, and Inclusion as it pertains to service, teaching, and scholarly research or creative activities, including a demonstrated ability to make learning accessible and inclusive for a diverse student population; and
- an ability and willingness to contribute to the life of the Department, Faculty and the University through collegial service.

Experience with curriculum development and pedagogical innovation will be considered significant assets.

We particularly encourage applications in fields that would successfully complement pedagogical research in other areas of science, including Biology, Chemistry, Computer Science, and Physics.

This position falls under the jurisdiction of the Ryerson Faculty Association (RFA) (www.rfanet.ca). The RFA collective agreement can be viewed [here](#) and a summary of RFA benefits can be found [here](#).

Ryerson University

Serving a highly diverse student population of over 45,000, with 100+ [undergraduate](#) and [graduate](#) programs built on the integration of theoretical and practical learning and distinguished by a professionally focussed curriculum with a strong emphasis on excellence in teaching, research and creative activities, [Ryerson](#) is a vibrant, urban university known for its culture of innovation, entrepreneurship, community engagement and city-building through its award-winning architecture.

Department of Mathematics

The Department of Mathematics has 23 tenured and tenure-track faculty members. Research interests include Applied Statistics, Discrete Mathematics, Financial Mathematics, Fluid Dynamics, and Mathematical Biology. The department has a strong Master's program in Applied Mathematics, a recently created PhD program and vibrant undergraduate programs in Financial Mathematics, and in Mathematics and its Applications. We welcome you to visit <http://www.math.ryerson.ca/> to learn more about our evolving department.

Working at Ryerson

At the intersection of mind and action, Ryerson is on a transformative path to become Canada's leading comprehensive innovation university. At Ryerson and within our department/school, we firmly believe that equity, diversity and inclusion are integral to this path; our current [academic plan](#) outlines each as core values and we work to embed them in all that we do.

Dedicated to a people first culture, Ryerson is proud to have been selected as one of Canada's Best Diversity Employers and a Greater Toronto's Top Employer. We invite you to explore the range of [benefits](#) and [supports](#) available to faculty and their family, including access to our diverse [faculty and staff networks](#).

Visit us on Twitter: [@RyersonU](#), [@RyersonHR](#), [@RyersonVPFA](#) and [@RyersonECI](#) and our [LinkedIn company page](#).

Ryerson is committed to accessibility for persons with disabilities. To find out more about legal and policy obligations please visit the [accessibility](#) and [Human Rights](#) websites.

Ryerson University welcomes those who have demonstrated a commitment to upholding the values of equity, diversity, and inclusion and will assist us to expand our capacity for diversity in the broadest sense. In addition, to correct the conditions of disadvantage in employment in Canada, we encourage applications from members of groups that have been historically disadvantaged and marginalized, including First Nations, Métis and Inuit peoples, Indigenous peoples of North America, Black-identified persons, other racialized persons, persons with disabilities, and those who identify as women and/or 2SLGBTQ+.

How to Apply

Applicants are asked to submit their applications online at <http://www.mathjobs.org/>. Applications must include:

- a cover letter; please indicate your contributions to making your discipline more equitable and inclusive through committee work, community engagement, social media, or advocacy
- a current curriculum vitae describing your scholarly and professional development via your education and research activities
- a proposal describing short- and long-term pedagogical research plans and past research achievements (up to 3 pages)
- electronic copies of up to two (2) recently published research papers
- a teaching statement (up to 3 pages), and a dossier of syllabi and other evidence of teaching capacity, if available. These must demonstrate how you currently (or intend to) engage, encourage, and develop the learning capacity of a diverse student population.
- names of three individuals who may be contacted for references.

Review of applications will begin **March 1, 2020** and will continue until the position is filled. We thank all applicants in advance, for their interest; however, only those under consideration will be contacted. Letters of reference (3) will only be requested for shortlisted applicants, and will be submitted to <http://www.mathjobs.org/>.

Please note that all qualified candidates are encouraged to apply; however, applications from Canadians and permanent residents will be given priority, in accordance with Canadian immigration regulations. **Candidates must therefore indicate in their application if they are a permanent resident or citizen of Canada.**

Contacts

Any confidential inquiries about the opportunity can be directed to Dr. Dejan Delic, Chair of the Department of Mathematics, at ddelic@ryerson.ca.

Indigenous candidates who would like to learn more about working at Ryerson University are welcome to contact Tracey King, Indigenous Human Resources Lead at t26king@ryerson.ca.

Black identified candidates who wish to learn more about working at Ryerson University are welcome to contact Shurla Charles-Forbes, [Black Faculty & Staff Community Network](#) at bfscn@ryerson.ca.

For any confidential accommodation needs in order to participate in the recruitment and selection process and/or inquiries regarding accessing the Faculty Recruitment Portal, please contact Michelle Gomes, HR Advisor at michelle.gomes@ryerson.ca.