

Department of Mathematical and Computational Sciences
University of Toronto at Mississauga

Posted: August 23, 2022

Applications Due: September 30, 2022

Session: Winter 2023

Course Number, Title and Course Description	(Estimated) Course Enrolment	(Estimated) Number of Positions	(Estimated) TA Support	Dates of Appointments and Class Schedule	Qualifications	Duties
<p>MAT102H5S, LEC0101 – Intro to Mathematical Proofs Understanding, using and developing precise expressions of mathematical ideas, including definitions and theorems. Set theory, logical statements and proofs, induction, topics chosen from combinatorics, elementary number theory, Euclidean geometry</p>	140	1	45 hrs per tutorial & per semester	Jan – Apr 2023 Mon 9-11 Wed 9-10	Ph.D. in Mathematics or a related field, completed or nearly complete. Advanced comprehension of the subject matter as evidenced by research activity and/or advanced teaching experience. Strong organizational, interpersonal, and communication skills. Demonstrated evidence of excellence in teaching preferred. Preference will be given to candidates with demonstrable currency and mastery.	Responsible for all aspects of delivering a university credit course including: planning the lectures, tutorials, assignments and tests and marking schemes; providing appropriate contact time outside of class to students, through office hours, emails, etc.; invigilating the final exam; managing the grades and submitting the final course grades; dealing with student petitions, setting and grading a make-up exam if required.
<p>MAT134H5S, LEC0101 – Integral Calculus Life Sci Antiderivatives and indefinite integrals in one variable, definite integrals and the fundamental theorem of calculus. Integration techniques and applications of integration. Infinite sequences, series and convergence tests. Power series, Taylor and Maclaurin series. Life science applications are emphasized.</p>	140	1	45 hrs per tutorial & per semester	Jan – Apr 2023 Wed 8-9 Fri 9-11	Ph.D. in Mathematics or a related field, completed or nearly complete. Advanced comprehension of the subject matter as evidenced by research activity and/or advanced teaching experience. Strong organizational, interpersonal, and communication skills. Demonstrated evidence of excellence in teaching preferred. Preference will be given to candidates with	Responsible for all aspects of delivering a university credit course including: planning the lectures, tutorials, assignments and tests and marking schemes; providing appropriate contact time outside of class to students, through office hours, emails, etc.; invigilating the final exam; managing the grades and submitting the final course grades; dealing with student petitions, setting and grading a make-up exam if required

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<p>MAT232H5S, LEC103 - Calculus of Several Variables Differential and integral calculus of several variables: partial differentiation, chain rule, extremal problems, Lagrange multipliers, classification of critical points. Multiple integrals, Green’s theorem and related topics.</p>	110	1	45 hrs per tutorial & per semester	Jan – Apr 2023 Tue 1-3 Thu 2-3	Ph.D. in Mathematics or a related field, completed or nearly complete. Advanced comprehension of the subject matter as evidenced by research activity and/or advanced teaching experience. Strong organizational, interpersonal, and communication skills. Demonstrated evidence of excellence in teaching preferred. Preference will be given to candidates with demonstrable currency and mastery.	Responsible for all aspects of delivering a university credit course including: planning the lectures, tutorials, assignments and tests and marking schemes; providing appropriate contact time outside of class to students, through office hours, emails, etc.; invigilating the final exam; managing the grades and submitting the final course grades; dealing with student petitions, setting and grading a make-up exam if required

Application Process: If interested, please reply to: jobsmcs.utm@utoronto.ca with the following information:

- CUPE 3902 (Unit 3) Employment Application Form: <https://uoft.me/CUPE-3902-Unit-3-Application-Form>
- your current CV; and
- letter(s) of recommendation addressing your ability to teach

NOTES:

1. Department Standards and Policies are available in the Department office and in the CUPE Local 3902 office.
2. The positions posted above are tentative, pending final course determinations and enrolments.
3. Undergraduate or graduate students and postdoctoral fellows of the University of Toronto are covered by the CUPE 3902 **Unit 1** collective agreement rather than the Unit 3 collective agreement, and should not apply for positions posted under the Unit 3 collective agreement.
4. CUPE minimum salary rates for a half course (HCE), inclusive of vacation pay, are: Sessional Lecturer I - \$8,489.67; Sessional Lecturer I Long Term - \$8,869.25; Sessional Lecturer II - \$9,085.58; and Sessional Lecturer III - \$9,301.90. Should rates stipulated in the Collective Agreement vary from rates stated in this posting, the rates stated in the Collective Agreement shall prevail.

*Preference in hiring is given to qualified individuals advanced to the rank of Sessional Lecturer II or Sessional Lecturer III in accordance with Article 14:12.
These jobs are posted in accordance with the CUPE 3902 Unit 3 Collective Agreement.*