

MATH/STAT Fall '24/Winter '25 Teaching Assistant and Marker positions application form

Please indicate below which position(s) you are interested in for the **Fall 2024** term Sept. 3 - Dec. 17 and **Winter 2025** term Jan. 6 - Apr. 26. In each section please note that first the fall term positions are listed, followed by the winter term positions.

This form will close on Monday, June 17th at noon, Atlantic time.

There are many positions listed, so it may be helpful to note that:

Page 2: has Learning Centre TA positions for MATH and STAT

Page 3: has MATH TA positions

Page 4: has STAT TA positions

Page 5: has MATH Marking positions

Page 6: has STAT Marking Positions

Page 7: has CAPA positions

Page 8: has Math Circles positions

Page 9: has a place for providing additional remarks

If you are a math graduate student and interested in **teaching a course** during your program and/or later in your career, you are encouraged to sign up for the **Instructor Training program** that is built into **MATH 1215** (see page 3). Spots are reserved first for math PhD students, and if there are openings, math master's students are welcome to apply as well.

Note that there are a few **tech support positions** available that do not require background in the course material, rather some tech savyness to help set up a live stream for an instructor teaching remotely to students in-person (MATH/STAT 2600, STAT 3720, and STAT 4720).

TA, CAPA, and Math Circles positions pay rates are \$30.05/hour*

Marking pay rates are \$24.00/hour*

*Rates are from 2023/24 as the CUPE 3912 collective agreement has not yet been updated for the upcoming academic year. Please note that the CAPA roles are not CUPE 3912 positions.

Estimated time to complete: **14** mins

* Required

General Information

1. First name *

2. Last name *

3. Dalhousie email address *

4. Are you currently a Dalhousie student? *

Yes

No

Other

5. If you answered "Yes" to Q4, what is your degree program?

Undergraduate: 2nd year

Undergraduate: 3rd year

Undergraduate: 4th year or more

MSc

PhD

Other

6. If you answered "Yes" to Q4, what is your area of study? For example, Mathematics, Statistics, Computer Science, Engineering, etc.

7. Please indicate if you have a maximum number of TA/marketing hours you would like to be assigned this term.

8. Please list all of your relevant teaching experience. (You may want to keep this list somewhere that you can easily copy and paste and edit in the future, especially if your list becomes long!)

9. Dalhousie University is committed to fostering a collegial culture grounded in diversity and inclusiveness. Do you self-identify as a member of any of the following Equity-Seeking groups? Please choose all that apply.

- Historic African Nova Scotians
- Mi'kmaq
- Racially visible persons
- Indigenous persons
- Persons with a disability (visible or invisible)
- Women
- Persons of a minority sexual orientation
- Persons of a minority gender identity
- I prefer not to respond
- None of the above
- Other

10. **[Fall term]** TA position: Learning Centre (hours TBD based on number of total shifts)

This is a weekly position to offer students support with their 1000 and 2000 level MATH or STAT courses.

If you are interested, please choose your division (MATH or STAT) and all the times that you are available for.

- MATH
- STAT
- Mondays 11:30am-12:30pm
- Mondays 12:30pm-1:30pm
- Mondays 1:30pm-2:30pm
- Mondays 2:30pm-3:30pm
- Mondays 3:30pm-4:30pm
- Tuesdays 11:30am-12:30pm
- Tuesdays 12:30pm-1:30pm
- Tuesdays 1:30pm-2:30pm
- Tuesdays 2:30pm-3:30pm
- Tuesdays 3:30pm-4:30pm
- Wednesdays 11:30am-12:30pm
- Wednesdays 12:30pm-1:30pm
- Wednesdays 1:30pm-2:30pm
- Wednesdays 2:30pm-3:30pm
- Wednesdays 3:30pm-4:30pm
- Thursdays 11:30am-12:30pm
- Thursdays 12:30pm-1:30pm
- Thursdays 1:30pm-2:30pm
- Thursdays 2:30pm-3:30pm
- Thursdays 3:30pm-4:30pm
- Fridays 11:30am-12:30pm
- Fridays 12:30pm-1:30pm
- Fridays 1:30pm-2:30pm
- Fridays 2:30pm-3:30pm
- Fridays 3:30pm-4:30pm
- Remote Learning Centre: Mondays 6:30-7:30pm
- Remote Learning Centre: Tuesdays 6:30-7:30pm

Remote Learning Centre: Tuesdays 6:30-7:30pm

Remote Learning Centre: Wednesdays 6:30-7:30pm

Remote Learning Centre: Thursdays 6:30-7:30pm

Remote Learning Centre: Fridays 6:30-7:30pm

11. **[Winter term]** TA position: Learning Centre (hours TBD based on number of total shifts)

This is a weekly position to offer students support with their 1000 and 2000 level MATH or STAT courses.

If you are interested, please choose your division (MATH or STAT) and all the times that you are available for.

- MATH
- STAT
- Mondays 11:30am-12:30pm
- Mondays 12:30pm-1:30pm
- Mondays 1:30pm-2:30pm
- Mondays 2:30pm-3:30pm
- Mondays 3:30pm-4:30pm
- Tuesdays 11:30am-12:30pm
- Tuesdays 12:30pm-1:30pm
- Tuesdays 1:30pm-2:30pm
- Tuesdays 2:30pm-3:30pm
- Tuesdays 3:30pm-4:30pm
- Wednesdays 11:30am-12:30pm
- Wednesdays 12:30pm-1:30pm
- Wednesdays 1:30pm-2:30pm
- Wednesdays 2:30pm-3:30pm
- Wednesdays 3:30pm-4:30pm
- Thursdays 11:30am-12:30pm
- Thursdays 12:30pm-1:30pm
- Thursdays 1:30pm-2:30pm
- Thursdays 2:30pm-3:30pm
- Thursdays 3:30pm-4:30pm
- Fridays 11:30am-12:30pm
- Fridays 12:30pm-1:30pm
- Fridays 1:30pm-2:30pm
- Fridays 2:30pm-3:30pm
- Fridays 3:30pm-4:30pm
- Remote Learning Centre: Mondays 6:30-7:30pm
- Remote Learning Centre: Tuesdays 6:30-7:30pm

Remote Learning Centre: Tuesdays 6:30-7:30pm

Remote Learning Centre: Wednesdays 6:30-7:30pm

Remote Learning Centre: Thursdays 6:30-7:30pm

Remote Learning Centre: Fridays 6:30-7:30pm

Mathematics TA Positions

12. **[Fall term]** MATH 1000 Tutorials: (TA45, 65, 90, 130)

Differential and Integral Calculus I

Positions depend upon the total number of tutorials being taught (1 to 4 tutorials per TA, per week).

The position involves teaching tutorials, preparation time, marking quizzes, recording grades, and invigilating exams.

Please choose all times that you are available for.

Mondays 10:35-11:25

Mondays 16:35-17:25

Tuesdays 9:35-10:25

Tuesdays 10:35-11:25

Tuesdays 11:35-12:25

Tuesdays 12:35-13:25

Tuesdays 13:35-14:25

Tuesdays 16:35-17:25

Wednesdays 10:35-11:25

Wednesdays 11:35-12:25

Thursdays 14:35-15:25

Thursdays 16:35-17:25

13. **[Fall term]** MATH 1010 Tutorials: (TA45, 65, 90)

Differential and Integral Calculus II

Positions depend upon the total number of tutorials being taught (1 to 3 tutorials per TA, per week).

The position involves teaching tutorials, preparation time, marking quizzes, recording grades, and invigilating exams.

Please choose all times that you are available for.

Mondays 13:35-14:25

Wednesdays 11:35-12:25

Wednesdays 13:35-14:25

14. **[Fall term]** MATH 1030 Tutorials: (TA65, 90, 110)

Matrix Theory and Linear Algebra I

Positions depend upon the total number of tutorials being taught (1 to 4 tutorials per TA, per week).

The position involves teaching tutorials, preparation time, weekly meeting with teaching team, marking quizzes, recording grades, and invigilating exams.

Please choose all times that you are available for.

Mondays 11:35-12:25

Mondays 13:35-14:25

Tuesdays 10:35-14:25

Wednesdays 17:35-18:25

Thursdays 9:35-10:25

Fridays 14:35-15:25

15. **[Fall term]** MATH 1215 Tutorials: (TA35, 45, 65)

Life Science Calculus

Positions depend upon the total number of tutorials being taught (1 to 3 tutorials per TA, per week).

The position involves teaching tutorials, preparation time, weekly meeting with teaching team, visiting some MATH 1215 classes, and invigilating exams.

Please choose all times that you are available for.

Mondays 16:35-17:25

Tuesdays 16:35-17:25

Wednesdays 13:35-14:25

Wednesdays 16:35-17:25

Thursdays 11:35-12:25

Thursdays 12:35-13:25

Thursdays 13:35-14:25

Thursdays 16:35-17:25

Weekly instructional team meeting Fridays 10:30-11:30am

16. **[Fall term]** MATH 1280 Tutorials: (TA90)

Engineering Calculus I

Positions is for one tutorial, which is held three times per week.

The position involves teaching tutorials, preparation time, and some administration duties.

Select the option below if you are interested.

Mondays, Wednesdays, and Fridays 12:35-13:25

17. **[Fall term]** MATH/STAT 2600 Tech support (TA45)

Theory of Interest

This class will be live streamed to students in class on campus (instructor will be teaching remotely) and the position involves attending each class and setting up any necessary tech to live stream the class for students. Background in the course material is not required.

Mondays, Wednesdays, and Fridays 10:35-11:25

18. **[Fall term]** MATH 3330 Teaching Assistant: (TA65)

Applied Graph Theory

The position requires some experience using Python, to help support students through a set of previously prepared Notebooks, via weekly office hours.

The position involves holding office hours (times to be coordinated with the course instructor), preparation time, and a weekly meeting with the course instructor.

Please choose this option below if you are interested. In the box "Other" include a description of your experience with Python.

Yes, I am interested in the position

Other

19. **[Winter term]** MATH 1000 Tutorials: (TA45, 65, 90, 130)

Differential and Integral Calculus I

Positions depend upon the total number of tutorials being taught (1 to 4 tutorials per TA, per week).

The position involves teaching tutorials, preparation time, marking quizzes, recording grades, and invigilating exams.

Please choose all times that you are available for.

Mondays 10:35-11:25

Mondays 11:35-12:25

Mondays 13:35-14:25

20. **[Winter term]** MATH 1010 Tutorials: (TA45, 65, 90)

Differential and Integral Calculus II

Positions depend upon the total number of tutorials being taught (1 to 3 tutorials per TA, per week).

The position involves teaching tutorials, preparation time, marking quizzes, recording grades, and invigilating exams.

Please choose all times that you are available for.

Mondays 13:35-14:25

Mondays 17:35-18:25

Wednesdays 14:35-15:25

Wednesdays 15:35-16:25

Thursdays 13:35-14:25

Fridays 10:35-11:25

21. **[Winter term]** MATH 1030 Tutorials: (TA65, 90, 110)

Matrix Theory and Linear Algebra I

Positions depend upon the total number of tutorials being taught (1 to 4 tutorials per TA, per week).

The position involves teaching tutorials, preparation time, weekly meeting with teaching team, marking quizzes, recording grades, and invigilating exams.

Please choose all times that you are available for.

Mondays 9:35-10:25

Mondays 11:35-12:25

Mondays 14:35-15:25

Tuesdays 13:35-14:25

Tuesdays 16:35-17:25

Wednesdays 9:35-10:25

Wednesdays 11:35-12:25

Wednesdays 14:35-15:25

Thursdays 13:35-14:25

Thursdays 16:35-17:25

22. **[Winter term]** MATH 1215 Tutorials: (TA35, 45, 65)

Life Science Calculus

Positions depend upon the total number of tutorials being taught (1 to 3 tutorials per TA, per week).

The position involves teaching tutorials, preparation time, weekly meeting with teaching team, visiting some MATH 1215 classes, and invigilating exams.

Please choose all times that you are available for.

If you are a MATH graduate student that is interested in the Instructor Training program, please indicate so at the bottom of the list. This piece includes an additional 10 hour training throughout the term, in addition to the TA job.

Mondays 09:35-10:25

Mondays 13:35-14:25

Mondays 16:35-17:25

Wednesdays 13:35-14:25

Wednesdays 16:35-17:25

Weekly instructional team meeting Fridays 10:30-11:30am

Instructor Training Program: additional 10 hours

23. **[Winter term]** MATH 1280 Tutorials: (TA90)

Engineering Calculus I

Positions is for one tutorial, which is held three times per week.

The position involves teaching tutorials, preparation time, and some administration duties.

Select the option below if you are interested.

Mondays, Wednesdays, and Fridays 12:35-13:25

24. **[Winter term]** MATH 1290 Tutorials: (TA90)

Engineering Calculus II

Positions is for one tutorial, which is held three times per week.

The position involves teaching tutorials, preparation time, and some administration duties.

Select the option below if you are interested.

Mondays, Wednesdays, and Fridays 12:35-13:25

Statistics TA Positions

25. **[Fall term]** STAT 1060 (TA25, 35, 45, 65)

Introductory Statistics for Science and Health Science

Positions depend upon the total number of tutorials being taught (2 to 6 tutorials per TA, per week).

The position involves teaching tutorials, preparation time, and possibly invigilating exams.

Please choose all times that you are available for.

Mondays 10:35-11:25

Mondays 11:35-12:25

Mondays 16:35-17:25

Tuesdays 13:35-14:25

Tuesdays 14:35-15:25

Tuesdays 15:35-16:25

Thursdays 14:35-15:25

Thursdays 15:35-16:25

Fridays 11:35-12:25

Fridays 12:35-13:25

26. **[Fall term]** STAT 2060 (TA35, 65, 90)

Introduction to Probability and Statistics

Positions depend upon the total number of tutorials being taught (1 to 4 tutorials per TA, per week).

The position involves teaching tutorials, preparation time, and invigilating exams.

Please choose all times that you are available for.

Note that these tutorials are 2-hours long.

Monday 09:35-11:25

Monday 15:35-17:25

Wednesday 15:35-17:25

Thursday 9:35-11:25

Friday 9:35-11:25

27. **[Fall term]** STAT 2080 (TA90)

Statistical Methods for Data Analysis and Inference

The position involves teaching tutorials, preparation time, invigilating exams, and CAPA administration.

Thursdays 17:35-18:25

28. **[Fall term]** STAT 4720 Tech support (TA45)

Life Contingencies II

This class will be live streamed to students in class on campus (instructor will be teaching remotely) and the position involves attending each class and setting up any necessary tech to live stream the class for students. Background in the course material is not required.

Tuesdays and Thursdays 11:35-12:55

29. **[Winter term]** STAT 1060 (TA25, 35, 45, 65)

Introductory Statistics for Science and Health Science

Positions depend upon the total number of tutorials being taught (2 to 6 tutorials per TA, per week).

The position involves teaching tutorials, preparation time, and possibly invigilating exams. Please choose all times that you are available for.

Mondays 9:35-10:25

Mondays 11:35-12:25

Mondays 12:35-13:25

Mondays 13:35-14:25

Mondays 17:35-18:25

Tuesdays 9:35-10:25

Tuesdays 10:35-11:25

Tuesdays 14:35-15:25

Tuesdays 15:35-16:25

Tuesdays 16:35-17:25

Wednesdays 9:35-10:25

Wednesdays 10:35-11:25

Wednesdays 11:35-12:25

Wednesdays 12:35-13:25

Wednesdays 13:35-14:25

Thursdays 16:35-17:25

Fridays 14:35-15:25

30. **[Winter term]** STAT 2060 (TA35, 65, 90)

Introduction to Probability and Statistics

Positions depend upon the total number of tutorials being taught (1 to 4 tutorials per TA, per week).

The position involves teaching tutorials, preparation time, and invigilating exams.

Please choose all times that you are available for.

Note that these tutorials are 2-hours long.

Monday 14:35-16:25

Monday 15:35-17:25

Wednesday 15:35-17:25

Thursday 9:35-11:25

31. **[Winter term]** STAT 2080 (TA90)

Statistical Methods for Data Analysis and Inference

The position involves teaching tutorials, preparation time, invigilating exams, and CAPA administration.

Thursdays 17:35-18:25

32. **[Winter term]** STAT 3720 Tech support (TA45)

Life Contingencies I

This class will be live streamed to students in class on campus (instructor will be teaching remotely) and the position involves attending each class and setting up any necessary tech to live stream the class for students. Background in the course material is not required.

Mondays and Wednesdays 16:05-17:25

Mathematics Marking positions

33. **[Fall term]** MATH 1215 (Marker 30-hours)
Life Science Calculus
Marking group projects.

Yes

34. **[Fall term]** MATH 1280 (Marker 68-hours)
Engineering Calculus I
Marking assessments.

Yes

35. **[Fall term]** MATH 2110 (Marker 50-hours)
Logic and Set Theory
Marking assessments.

Yes

36. **[Fall term]** MATH 3031 (Marker 60-hours)
Abstract Algebra I
Marking assessments.

Yes

37. **[Fall term]** MATH 3070 (Marker 20-hours)
Theory of Numbers
Marking assessments.

Yes

38. **[Fall term]** MATH 3300 (Marker 30-hours)
Optimization
Marking assessments.

Yes

39. **[Fall term]** MATH 3330 (Marker 40-hours)
Applied Graph Theory
Marking assessments.

Yes

40. **[Winter term]** MATH 1215 (Marker 20-hours)
Life Science Calculus
Marking group projects.

Yes

41. **[Winter term]** MATH 1280 (Marker 45-hours)
Engineering Calculus I
Marking assessments.

Yes

42. **[Winter term]** MATH 1290 (Marker 68-hours)
Engineering Calculus I
Marking assessments.

Yes

43. **[Winter term]** MATH 2051 (Marker 20-hours)
Problems in Geometry
Marking assessments.

Yes

44. **[Winter term]** MATH 2135 (Marker 20-hours)
Linear Algebra
Marking assessments.

Yes

45. **[Winter term]** MATH 2300 (Marker 25-hours)
Mathematical Modelling
Marking assessments.

Yes

46. **[Winter term]** MATH 2505 (Marker 30-hours)
Introductory Analysis
Marking assessments.

Yes

47. **[Winter term]** MATH 2113 (Marker 15-hours)
Discrete Structures
Marking assessments.

Yes

48. **[Winter term]** MATH 3032 (Marker 25-hours)

Abstract Algebra II

Marking assessments.

Yes

49. **[Winter term]** MATH 3120 (Marker 30-hours)

Differential Equations II

Marking assessments.

Yes

50. **[Winter term]** MATH 3045 (Marker 25-hours)

Curves and Surfaces

Marking assessments.

Yes

51. **[Winter term]** MATH 3080 (Marker 25-hours)

Intro Complex Variables

Marking assessments.

Yes

52. **[Winter term]** MATH 4116 (Marker 30-hours)

Cryptography

Marking assessments.

Yes

Statistics Marking positions

53. **[Fall term]** MATH/STAT 2600 (Marker 30-hours)
Theory of Interest
Marking assessments.

Yes

54. **[Fall term]** STAT 2060 (Marker 35-hours)
Introduction to Probability and Statistics
Marking assessments.

Yes

55. **[Fall term]** STAT 2450 (Marker 50-hours)
Intro to Data Mining with R
Marking assessments.

Yes

56. **[Fall term]** STAT 3340 (Marker 40-hours)
Regression Analysis
Marking assessments.

Yes

57. **[Fall term]** STAT 3360 (Marker 35-hours)
Probability
Marking assessments.

Yes

58. **[Fall term]** STAT 4350 (Marker 25-hours)
Applied Multivariate Analysis
Marking assessments.

Yes

59. **[Winter term]** STAT 2060 (Marker 50-hours)
Introduction to Probability and Statistics
Marking assessments.

Yes

60. **[Winter term]** STAT 2430 (Marker 60-hours)

Data Visualization
Marking assessments.

Yes

61. **[Winter term]** STAT 3380 (Marker 40-hours)

Sample Survey Methods
Marking assessments.

Yes

62. **[Winter term]** STAT 3450 (Marker 25-hours)

Statistical learning with R
Marking assessments.

Yes

63. **[Winter term]** STAT 3460 (Marker 50-hours)

Intermediate Statistic. Theory
Marking assessments.

Yes

64. **[Winter term]** STAT 4390 (Marker 25-hours)

Time Series Analysis I
Marking assessments.

Yes

65. **[Winter term]** STAT 4620 (Marker 25-hours)

Data Analysis
Marking assessments.

Yes

66. **[Winter term]** STAT 3720 (Marker 20-hours)

Life Contingencies I
Marking assessments.

Yes

CAPA positions

67. **[Fall term]** STAT 1060 CAPA (20-hours)
Introductory Statistics for Science and Health Science
Administration of CAPA assessments

Yes

No

68. **[Winter term]** STAT 1060 CAPA (20-hours)
Introductory Statistics for Science and Health Science
Administration of CAPA assessments

Yes

No

69. **[Fall term]** STAT 2060 CAPA (20-hours)
Introduction to Probability and Statistics
Administration of CAPA assessments

Yes

No

70. **[Winter term]** STAT 2060 CAPA (20-hours)
Introduction to Probability and Statistics
Administration of CAPA assessments

Yes

No

Math Circles

71. Math Circles (40 to 90 hour position, per term, from September until the end of June)

The position involves presenting fun mathematical concepts to students in Elementary, Jr. High, and High Schools around the province. Weekly commitments are approximately 2-7 hours.

Duties involve: participating in weekly team meetings, giving presentations at schools (along with a fellow Math Circles team member), content development on existing presentations or new presentations, some administrative tasks.

Position runs from early September to the end of June.

A **40-hour position** would mean 40 hours in the fall term, 40 hours in the winter term, 20 hours in May and June (100 total hours).

A **90-hour position** would mean 90 hours in the fall term, 90 hours in the winter term, 30 hours in May and June (210 total hours). Typically, 2 days need to be made available per week to be free to give presentations at schools for the 90-hour position.

Yes: a 40-hour position

Yes: a 90-hour position

No

Additional remarks

72. Please use this space to include any notes, if you would like, to include with your application.

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