

Department of Mathematics
APPLICATION FOR TEACHING ASSISTANTSHIP
SEPTEMBER 2009 TO APRIL 2010

Please read carefully and retain this page.

*Qualifications: Excellent background in mathematics;
 Excellent communication skills
 in English, both written and oral form.*

A transcript **is not** needed from:

- Graduate students in the Department of Mathematics,
- All Undergraduate applicants in the Department of Mathematics,
- Applicants who have worked for the Department of Mathematics in the past.

All other applicants must submit a transcript/academic record/statement of results. Original document is not necessary. A copy will do.

Decisions will be announced in August.

Abe Igelfeld
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Department of Mathematics
40 St. George St., 6th floor

Application Deadline: Friday, June 26, 2009

This posting is in accordance with the CUPE 3902, Unit 1 Collective Agreement.

DEPARTMENT OF MATHEMATICS TEACHING ASSISTANTSHIPS 2009-2010

All positions and hours listed below are tentative pending funding and enrolment.
The Department of Mathematics reserves the right to change/cancel announced positions.

LEGEND: F Courses = Sep-Dec Y Courses = Sep-Apr S Courses = Jan-Apr

DUTIES may include all of or any combination of the following: marking, scheduled tutorial, office hours, Math Aid Centre, test supervision.

FACULTY OF ARTS AND SCIENCE, ST. GEORGE CAMPUS

COURSE	COURSE TITLE	HOURS	# of Assignments	COURSE	COURSE TITLE	HOURS	# of Assignments
APM236F	Applied Linear Prog.	80	1	MAT267F	Advanced ODEs I	70	1
APM236S	Applied Linear Prog.	35	1	MAT301F	Groups and Symmetries	50	1
APM346F	Differential Equations	65	2	MAT301S	Groups and Symmetries	60	1
APM351Y	Diff. Equ. of Math Physics	110	1	MAT309F	Intro Math Logic	70	1
APM421F/MAT1723	Mathematical Foundations of Quantum	30	1	MAT315S	Intro Number Theory	55	2
APM426S/MAT1700	General Relativity	30	1	MAT327F	Intro Topology	90	1
APM461S/MAT1302	Combinatorial Methods	30	1	MAT329Y	Concepts in Elementary Math	80	1
APM462S	Nonlinear Optimization	70	1	MAT334F	Complex Variables	50	2
APM466S/MAT1856	Math Theory of Finance	70	1	MAT334S	Complex Variables	65	2
JMB170Y	Bio Models and Math	170	1	MAT335S	Chaos Fractals Dynamics	55	1
MAT123S	Calc Lin Alg for Com (A)	35	1	MAT337S	Intro Real Analysis	95	1
MAT125S	Calculus Sci (A)	45	1	MAT344F	Intro Combinatorics	60	2
MAT133Y	Calc Lin Alg for Com	110	18	MAT347Y	Groups Rings and Fields	100	1
MAT135Y	Calculus Sci I	110	29	MAT354F	Complex Analysis	65	1
MAT137Y	Calculus I	200	6	MAT357S	Real Analysis I	100	1
MAT157Y	Analysis I	182	3	MAT363S	Diff Geometry I	70	1
MAT223F	Linear Algebra I	55	10	MAT401S	Polyn Equ and Fields	45	1
MAT223S	Linear Algebra I	55	8	MAT402S	Classical Geometries	40	2
MAT224F	Linear Algebra II	55	2	MAT409F/MAT1404	Intro to Model Theory & Set The	35	1
MAT224S	Linear Algebra II	55	5	MAT427Y/MAT1300Y	Algebraic Topology	100	1
MAT235Y	Calculus Sci II	70	9	MAT454S/MAT1001S	Complex Analysis II	75	1
MAT237Y	Vector Calculus	60	11	MAT457Y/MAT1000Y	Real Analysis II	115	2
MAT240F	Algebra I	95	2	MAT1060F	Partial Differential Equations I	45	1
MAT244F	Intro ODEs	85	2	MAT1100Y	Algebra	130	1
MAT244S	Intro ODEs	75	2	MAT1120S	Lie Algebras	25	1
MAT246F	Conc in Abstract Math	58	2				
MAT246S	Conc in Abstract Math	105	2				
MAT247S	Algebra II	55	2				
MAT257Y	Analysis II	170	1				

Course descriptions can be found at: http://www.artsandscience.utoronto.ca/ofr/calendar/crs_mat.htm

<http://www.math.toronto.edu/graduate/courses/descriptions.html>

DEPARTMENT OF MATHEMATICS TEACHING ASSISTANTSHIPS 2009-2010

MATH AID CENTRES, ST. GEORGE CAMPUS

	HOURS	# of Assignments
TRINITY COLLEGE MATH AID CENTRE		
F TERM	40	2
S TERM	40	2

Other Math Aid Centres will be posted seperately once funding is decided.

**FACULTY OF APPLIED SCIENCE AND ENGINEERING,
ST. GEORGE CAMPUS**

For description of the courses listed below refer to the Faculty of Applied Science and Engineering website.

COURSE	COURSE TITLE	HOURS	# of Assignments
APM384F	Partial Differential Equations	140	1
MAT185S	Linear Algebra	66	5
MAT185S	Linear Algebra	20	1
	↳ <i>Extra teaching, pending funding</i>		
MAT186F	Calculus I	42	7
MAT186S	Calculus I	50	1
MAT187S	Calculus II	42	7
MAT188F	Linear Algebra	42	14
MAT188S	Linear Algebra	50	1
MAT194F	Calculus I	60	6
MAT195S	Calculus II	60	5
MAT196F	Calculus A	42	7
MAT197S	Calculus B	42	7
MAT292F	Calculus III	60	4
MAT294F	Calculus & Diff Equ	40	2
MAT389F	Complex Analysis	100	2

Course descriptions can be found at:

<http://www.undergrad.engineering.utoronto.ca/Assets/Calendar0910/chapter+8.pdf>
Pages 37-39

DEPARTMENT OF MATHEMATICS TEACHING ASSISTANTSHIPS 2009-2010

UNIVERSITY OF TORONTO AT MISSISSAUGA

COURSE	COURSE TITLE	HOURS	# of Assignments
MAT102H5F	Mathematical Proofs**	50	3
MAT102H5S	Mathematical Proofs**	50	2
MAT133Y	Calculus & Linear Alg*	100	18
MAT134Y	Calculus for Life Sciences*	100	15
MAT135Y	Calculus*	100	15
MAT137Y	Calculus*	100	3
MAT202H5S	Mathematical Abstraction	Total 132	2
MAT223H5F	Linear Alg: I**	50	3
MAT223H5S	Linear Alg: I**	50	3
MAT212H5S	Differential Eqns&Modeling**	50	3
MAT224H5S	Linear Alg: II**	50	3
MAT242H5F	Differential Equations I**	50	2
MAT252H5S	Differential Equations II**	50	2
MAT232H5F	Calculus of Several Variables**	50	2
MAT233H5S	Calculus of Several Variables**	50	2
MAT301H5F	Groups and Symmetries	60	1
MAT309H5S	Mathematical Logic	60	1
MAT311H5F	Partial Diff: Equations***	60	2
MAT334H5F	Complex Variables***	60	2
MAT344H5F	Introduction to Combinatorics	60	1
MAT315H5S	Number Theory	60	1
MAT332H5S	Nonlinear Dynamics & Chaos	60	1
MAT368H5S	Vector Calculus***	60	2
MAT378H5S	Foundations of Analysis	60	1
MAT478H5F	Introduction to Mathematics of Finance***	60	2

* the first tutorials 100 hours and the additional tutorials 80 hours

** the first tutorials 50 hours and the additional tutorials 40 hours

*** the first tutorials 60 hours and the additional tutorials 50 hours

Course descriptions can be found at:

<http://www.utm.utoronto.ca/regcal/WEBLISTCOURSES27.html>

UNIVERSITY OF TORONTO AT SCARBOROUGH

COURSE	COURSE TITLE	HOURS	# of Assignments
MATA20H3F	Calculus A	79	up to 5
MATA30H3F	Calculus I	79	up to 25
MATA32H3F	Calculus for Management I	55	up to 28
MATB24H3F	Linear Algebra II	79	up to 1
MATB41H3F	Techniques of the Calculus of S	65	up to 2
MATA21H3S	Calculus B	55	up to 5
MATA23H3S	Linear Algebra I	79	up to 9
MATA30H3S	Calculus I	79	up to 6
MATA32H3S	Calculus for Management I	55	up to 6
MATA33H3S	Calculus for Management II	55	up to 26
MATA35H3S	Calculus II for Biological Science	55	up to 9
MATA36H3S	Calculus II for Physical Science	55	up to 9
MATA37H3S	Calculus II for Mathematical Sci	110	up to 6
MATB42H3S	Techniques of the Calculus of S	65	up to 2
MATB43H3S	Introduction to Analysis	55	up to 2

Note: There may be grading opportunities for the following courses: MATB44H3F, MATC01H3F, MATC09H3F, MATC25H3F, MATC34H3F, MATC82H3F, MATD12H3F, MATC02H3S, MATC46H3S. The hours of assignments depends on enrolmeny (usually between 25 to 45 hours)

Course descriptions can be found at:

<http://www.utsc.utoronto.ca/courses/calendar/Mathematics.html>

DEPARTMENT OF MATHEMATICS - APPLICATION FOR TEACHING ASSISTANTSHIP

FOR SEPTEMBER 2009 TO APRIL 2010

APPLICATION DEADLINE: FRIDAY, JUNE 26, 2009

Surname: _____

First name: _____

U of T student #: _____

E-mail: _____

Telephone #: _____

Home address: _____

In September 2009 your status will be (choose one only):

PH D: _____ Start date: _____

M SC: _____ Start date: _____

Dept of Study: _____

Your office phone #: _____

FOR OFFICE USE ONLY

Below, list your preferences. In the column under "Choice" rank your preference as to campus of assignment. These will be met if possible.

Choice	Campus	Course Preferences (see following 3 pages)
	St. George	
	UTM	
	UTSC	

FOR UNDERGRAD APPLICANTS ONLY:

Program/dept.:

Campus where are you registered (circle one): St. G UTM UTSC

Most advanced math course(s) completed:

COMPLETE AND RETURN ONLY THIS FORM TO DIANA LEONARDO'S MAILBOX IN ROOM BA6290A