MME Graduate Teaching Assistantships
Fall 2017 Term

All graduate students are invited to apply for a Graduate Teaching Assistantship for the Fall 2017 term. Following the Collective Agreement, students who are studying in the Mechanical and Materials Engineering department will be given preference over students from outside the department. It is recommended that you read the PSAC Local 901, Collective Agreement for Graduate Teaching Assistants found at:
http://www.queensu.ca/facultyrelations/teaching-assistants-and-fellows/collective-agreement

Please see the attached list of courses being taught this term. For more information on each course, please see the Undergraduate Calendar at http://calendar.engineering.queensu.ca/content.php?catoid=2&navoid=50

TA assignment usually include duties such as leading laboratories or tutorials, hosting office hours, marking of assignments, reports, quizzes, exams. Any necessary training will be included in the assignment. A full TA position is typically 60-100 hours over the semester, but hours are assigned based on enrollment and duties. Due to changes in enrollments, some positions may have their hours adjusted once the semester begins.

In some cases, Professors will require your assistance outside of regular hours for midterm and exam invigilating or marking. It is your responsibility to ensure you make yourself available to complete the TA work. ***If you are planning on being away from campus for a significant amount of time during the semester, please indicate this when submitting your application and keep your employment supervisor up to date. This includes December Travel for holidays which may conflict with the exam marking period.***

Application Process:

Review the attached tables of available TA positions for the Fall 2017 Term for current opportunities. *(NOTE: APSC 161 is now called APSC 162 and will be offered in the Winter semester)*

Graduate students are asked to email their application package to the Department Manager, Gabrielle Whan (gabrielle.whan@queensu.ca) by August 21, 2017 at 9:00 am. Please include your top three course preferences and any related experience. Applications will be reviewed at the end of the application period.

If you are in the M.Eng program, beyond your 2 years for a MASc or 4 years for a PhD, or outside Mechanical and Materials Engineering, you must also submit a Curriculum Vitae and a copy of your recent transcripts (not official). Please include your top 3 choices and experience in a cover letter.

NOTE: There will also be Teaching Assistant Positions available for APSC courses. Please see the Faculty Office website for more information: http://engineering.queensu.ca/employment-opportunities/ta-positions/index.html Please let us know if you apply for these positions so that you are not also assigned a position in MME. For TA opportunities outside of Mechanical and Materials Engineering please see the PSAC website or the HR website. Graduate students are not allowed to work more than 120 hours per semester on average. The MME department does not recommended taking on more than 100 hours per semester in TA work. Anything above 100 hours will require approval from your thesis supervisor.

All Applications are due by August 21 at 9:00 am to
gabrielle.whan@queensu.ca

Course	Course Title	Estimated Class Size	Instructor	Estimated number of TA's
MECH 213	Manufacturing Methods	210	Mechefske	2
MECH 213	Manufacturing Methods Labs	210	Mechefske /Shop	3-6
MECH 217	Measurement in Mechatronics	210	Sellens	3
MECH 217	Measurement in Mechatronics Labs	210	Sellens	3-6
MECH 221	Statics and Solids	240	Pilkey	4
MECH 230	Thermodynamics I	310	Ciccarelli	5
MECH 270	Material Science and Engineering	220	Daymond	4
MECH 270	Material Science and Eng Labs	220	Daymond	10
MECH 321	Solid Mechanics II	230	Lai	3-4
MECH 328	Dynamics and Vibrations	250	Anderson	3-4
MECH 330	Applied Thermodynamics II	185	Harrison	2-3
MECH 370	Principles of Materials Processing	45	Diak	1
MECH 393	Biomechanical Product Design	60	Davies	1
MECH 396	Materials Eng Lab I (all labs)	35	various	2
MECH 398	Mechanical Eng Lab I:			
	Air Flow in Pipes	200	TBA	2
	Refrigeration	200	TBA	2
	Biomechanics	200	Li	2
	Curved Beams	200	Lai	2
MECH 460/464	Capstone Design Team Project / Communications	180	Bryant / Sneep	1

Technical Electives

MECH 439	Turbomachinery	60	Birk	1
MECH 444	Computational Fluid Dynamics	50	Matovic	1
MECH 448	Compressible Fluid Flow	75	Oosthuizen	1
MECH 452	Mechatronics Engineering	24	Surgenor	1-2
MECH 455	Computer Integrated Manufacturing	25	Zak	1
MECH 456	Introduction to Robotics	40	Notash	1
MECH 465	Computer Aided Design	100	Kim	1-2
MECH 478	Biomaterials	60	R. Rainbow	1
MECH 483	Nuclear Materials	20	Daymond / Yao	1
MECH 484	Intro to Ceramics	20	Krstic	0
MECH 494	Kinematics of Human Motion	50	M. Rainbow	1
MECH 496	Musculoskeletal Biomechanics	50	Li	1