

MATERIALS ENGINEERING

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ACADEMIC YEAR: 2023W

Teaching Assistant Postings

Hours & Pay

Hours and Rates are established by contract between U.B.C. and the T.A. Union (CUPE 2278). The majority of Appointments are 2/4 hours per week = 32/64 hours per term, however, actual appointments may vary. *Exam invigilation is included in the appointment*. Positions are from September 5 to December 31, 2023 for Term One and January 8 to April 30, 2024 for Term Two. You must be available during this time.

Stipends as of September 2021 are:

GTA1 (two or more years) \$35.13 per hour GTA2 (under two years) \$33.80 per hour Marker \$16.18 per hour

Departmental offers of appointment will be made to the student, in writing, no later than November 24. Applicants will then have 7 days to either accept or decline the offer. Students are members of the Bargaining Unit (CUPE Local 2278) from the time that they are appointed. A *mandatory* Teaching Assistant training course is require for ALL new and returning TA's who have not completed the course.

"UBC hires on the basis of merit and is committed to employment equity. We encourage all qualified applicants to apply".

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MTRL 251 – Pyrometallurgy Thermodynamics of Materials II

ACADEMIC YEAR:	
TERM: 2	
COURSE: MTRL 251	
INSTRUCTOR: TBA	
TA HOURS PER WEEK ¹ : 2 positions – 1 X ½	4 TA + 1 X ¾ TA
DUTIES (check appropriate boxes)	
Tutorials	
Oral instruction	
Demonstrate problem sets	
 Aid students in assignments/problem set 	s 🗹
Laboratories	
Oral instruction	
Lab set-up	
Running labs	
Marking	
 Subjective marking of assignments, midt 	erms, exams, etc.
 Objective² ("key-type") marking of assign 	ments, midterms, exams, etc.
Other duties (specify):	
¹⁾ TA positions are normally ¼, ½, or 1 load, which represents an nominally over 16 weeks, respectively.	average workload of 2, 4, and 8 hours a week,
2) If the only task the TA does is objective marking, the salary is su	ubstantially lower than for a regular TA.

MTRL 263 - Transport Phenomena I

ACADEMIC YEAR:		
TERM:	2	
COURSE:	MTRL 263	
INSTRUCTOR:	David Dixon	
TA HOURS PER WEEK1:	1 position – ½ TA – 4 hours per week	
DUTIES (check appropriate l	ooxes)	
Tutorials		
Oral instruction		
 Demonstrate problem 	n sets	$\overline{\checkmark}$
 Aid students in assign 	nments/problem sets	$\overline{\mathbf{A}}$
Laboratories		
 Oral instruction 		
 Lab set-up 		
 Running labs 		
Marking		
 Subjective marking of 	f assignments, midterms, exams, etc.	$\overline{\checkmark}$
 Objective² ("key-type") 	') marking of assignments, midterms, exams, etc.	
-	·	
Other duties (specify):		
A positions are normally 1/ 1/ or 4 leas-	I, which represents an average workload of 2, 4, and 8 hours a week, no	minally
	ly task the TA does is objective marking, the salary is substantially low	

for a regular TA.

MTRL 264 - Transport Phenomena II

ACADEMIC YEAR:		
TERM:	2	
COURSE:	MTRL 264	
INSTRUCTOR:	TBA	
TA HOURS PER WEEK1:	1 position – 1/2 TA – 6 hours per week	
DUTIES (check appropriate b	ooxes)	
Tutorials		
Oral instruction		
 Demonstrate problem 	sets	$\overline{\mathbf{V}}$
 Aid students in assign 	ments/problem sets	
Laboratories		
 Oral instruction 		
 Lab set-up 		
Running labs		
Marking		
Subjective marking of	assignments, midterms, exams, etc.	
Objective ² ("key-type")) marking of assignments, midterms, exams, etc.	
Other duties (specify):		
1) TA positions are resulted 4/	ad lead which represents an average weeklest 4-40 days 101	
week, nominally over 16 weeks, re	or 1 load, which represents an <i>average</i> workload of 2, 4, and 8 hoespectively.	วนาร ส

²⁾ If the only task the TA does is objective marking, the salary is substantially lower than for a regular TA.

MTRL 340 - Manufacturing in Materials Engineering - MTRL & IGEN Students

ACADEMIC YEAR:		
TERM:	2	
	MTRL 340	
	Abbas Hosseini	
TA HOURS PER WEEK1:	1 position – ½ TA (4 hours/wk)	
DUTIES (check appropriate bo	oxes)	
Tutorials		
Oral instruction		
Demonstrate problem :		
 Aid students in assignr 	nents/problem sets	
Laboratories		
 Oral instruction 		
 Lab set-up 		
 Running labs 		
Marking		
Monitoring and Optimizati	on of Materials Processing	
 Objective² ("key-type") 	marking of assignments, midterms, exams, etc.	
Other duties (specify):		
	nitoring the bulletin board and helping with any que	estions
on the course content and cas	e study problems.	
	• • •	
Note: This is an official TA	position	
Ti. I	00 / 1 /	
This class may contain up to 1	20 students	
1) TA positions are normally ¼, ½, or	1 load, which represents a workload of 2, 4, and 8 hours a we	ek for 16
weeks, respectively.	•	
1 2) If the only tack the TA door is object	ctive marking, the calary is substantially lower than for a regul	ar TA

MTRL 478 - Electronic Materials

ACADEMIC YEAR:		
TERM:	2	
COURSE:	MTRL 478	
INSTRUCTOR:	Maggie Xia	
TA HOURS PER WEEK1:	1 position – 1/4 TA – 2 hours per week	
DUTIES (check appropriate	boxes)	
Tutorials		
 Oral instruction 		$\overline{\checkmark}$
 Demonstrate probler 	n sets	
 Aid students in assig 	nments/problem sets	$\overline{\mathbf{V}}$
Laboratories		
 Oral instruction 		
 Lab set-up 		
 Running labs 		
Marking		
 Subjective marking of 	of assignments, midterms, exams, etc.	$\overline{\checkmark}$
Objective ² ("key-type")	") marking of assignments, midterms, exams, etc.	
Other duties (specify):		
	atory tour in AMPEL and give associated oral instruction	
	eam Epitaxy); these tasks are equivalent to those of tu	ıtorials
even though there is no tuto	rial per se associated with the course.	
1) TA positions are normally 1/ 1/	or 1 load, which represents an average workload of 2, 4, and 8 ho	oure o
week, nominally over 16 weeks,		uis a

²⁾ If the only task the TA does is objective marking, the salary is substantially lower than for a regular TA.

MTRL 494 - Composite Materials

ACADEMIC YEAR:		
TERM:	2	
COURSE:	MTRL 494	
INSTRUCTOR:	Anoush Poursartip	
TA HOURS PER WEEK1:	1 position – ½ TA – 4 hours per week	
DUTIES (check appropriate	boxes)	
Tutorials		
Oral instruction		<u>_</u> _
Demonstrate problem		<u>_</u>
	nments/problem sets	$\overline{\mathbf{Q}}$
Laboratories		
Oral instruction		
Lab set-up		
 Running labs 		
Marking		
	f assignments, midterms, exams, etc.	$\overline{\checkmark}$
 Objective² ("key-type 	") marking of assignments, midterms, exams, etc.	
Other duties (specify):		
1) TA positions are normally 1/4, 1/2,	or 1 load, which represents an average workload of 2, 4, and 8 he	ours a
week, nominally over 16 weeks,	respectively.	
1 2) If the only tack the TA does is of	piective marking, the salary is substantially lower than for a regula	ar T∆

MTRL 496 - Materials Sustainability

ACADEMIC YEAR:	
TERM: 2	
COURSE: MTRL 496	
INSTRUCTOR: Chadwick Sinclair	
TA HOURS PER WEEK ¹ : 1 position – ¼ TA – 2 hours per week	
DUTIES (check appropriate boxes)	
Tutorials	
Oral instruction	
Demonstrate problem sets	$\overline{\checkmark}$
Aid students in assignments/problem sets	\checkmark
Laboratories	
Oral instruction	
Lab set-up	
Running labs	
Marking	
Subjective marking of assignments, midterms, exams, etc.	
Objective ² ("key-type") marking of assignments, midterms, exa	ms. etc.
Other duties (specify):	
Marking lab reports	
1) TA positions are normally ¼, ½, or 1 load, which represents an average workload of	f 2, 4, and 8 hours a
week, nominally over 16 weeks, respectively.	

²⁾ If the only task the TA does is objective marking, the salary is substantially lower than for a regular TA.

MANU 458 - Manufacturing for Clean Energy

ACADEMIC YEAR:		
TERM: 2		
	IU 481	
	Britton	
	sition – 1 X ¼ TA	
DUTIES (check appropriate boxes)	
Tutorials		
 Oral instruction 		<u>N</u>
 Demonstrate problem sets 		
 Aid students in assignment 	s/problem sets	√
Laboratories	·	
 Oral instruction 		
Lab set-up		
Running labs		
Marking		
Subjective marking of assignments	gnments, midterms, exams, etc.	$\overline{\mathbf{A}}$
Objective ² ("key-type") mar	king of assignments, midterms, exams, etc.	V
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Other duties (specify):		
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1) To positions are normally 1/ 1/ and lead with	sigh represents on a corresponding of 2.4 and 2 haves a week	
nominally over 16 weeks, respectively.	nich represents an average workload of 2, 4, and 8 hours a week,	
2) If the only task the TA does is objective mark	ring, the salary is substantially lower than for a regular TA.	

MANU 481 - Manufacturing Processes III

ACADEMIC YEAR:	
TERM: 2	
COURSE: MANU 481	
INSTRUCTOR: TBA	
TA HOURS PER WEEK1: 1 position – 1 X ¼ TA	
DUTIES (check appropriate boxes)	
Tutorials	
Oral instruction	
Demonstrate problem sets	$\overline{\checkmark}$
Aid students in assignments/problem sets	
Laboratories	
Oral instruction	
Lab set-up	
Running labs	
Marking	
Subjective marking of assignments, midterms, exams, etc.	
Objective ² ("key-type") marking of assignments, midterms, exams, et	c. 🗆
<u></u>	
Other duties (specify):	
Carrot dance (opena)	
Running deformation model in ANSYS	
Support to run lab demonstrations (e.g. colloid/interface chemistry) during we	orkshops
Facilitate group learning, esp. with EDI considerations	
Facilitate hybrid learning (both TAs)	
1) TA positions are normally ¼, ½, or 1 load, which represents an average workload of 2, 4, and 8 hours	a week,
nominally over 16 weeks, respectively. 2) If the only task the TA does is objective marking, the salary is substantially lower than for a regular TA	
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