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 263 – Transport Phenomena I
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MTRL 496 – Materials Sustainability
MANU 458 – Manufacturing for Clean Energy

MANU 481 – Manufacturing Processes III
MTRL 251 – Pyrometallurgy Thermodynamics of Materials II

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<tr>
<td>COURSE:</td>
<td>MTRL 251</td>
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<tr>
<td>INSTRUCTOR:</td>
<td>TBA</td>
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<tr>
<td>TA HOURS PER WEEK¹:</td>
<td>2 positions – 1 X ¼ TA + 1 X ¾ TA</td>
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**DUTIES (check appropriate boxes)**

**Tutorials**
- Oral instruction
- Demonstrate problem sets ✓
- Aid students in assignments/problem sets ✓

**Laboratories**
- Oral instruction
- Lab set-up
- Running labs

**Marking**
- Subjective marking of assignments, midterms, exams, etc. ✓
- Objective² (“key-type”) marking of assignments, midterms, exams, etc. □

**Other duties (specify):**

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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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<tbody>
<tr>
<td><strong>Tutorials</strong></td>
</tr>
<tr>
<td>- Oral instruction</td>
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<td>- Aid students in assignments/problem sets</td>
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<tr>
<td><strong>Laboratories</strong></td>
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<tr>
<td>- Oral instruction</td>
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<tr>
<td>- Lab set-up</td>
</tr>
<tr>
<td>- Running labs</td>
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<tr>
<td><strong>Marking</strong></td>
</tr>
<tr>
<td>- Subjective marking of assignments, midterms, exams, etc.</td>
</tr>
<tr>
<td>- Objective(^2) (&quot;key-type&quot;) marking of assignments, midterms, exams, etc.</td>
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</table>

**Other duties (specify):**

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A 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. If the only task the TA does is objective marking, the salary is substantially lower than for a regular TA.
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<td>COURSE:</td>
<td>MTRL 264</td>
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<tr>
<td>INSTRUCTOR:</td>
<td>TBA</td>
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<tr>
<td>TA HOURS PER WEEK¹:</td>
<td>1 position – 1/2 TA – 6 hours per week</td>
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</table>

**DUTIES (check appropriate boxes)**

**Tutorials**
- Oral instruction
- Demonstrate problem sets ✓
- Aid students in assignments/problem sets ✓

**Laboratories**
- Oral instruction
- Lab set-up
- Running labs

**Marking**
- Subjective marking of assignments, midterms, exams, etc. ✓
- Objective² (“key-type”) marking of assignments, midterms, exams, etc. □

**Other duties (specify):**

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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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<td></td>
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<tr>
<td>COURSE:</td>
<td>MTRL 340</td>
</tr>
<tr>
<td>INSTRUCTOR:</td>
<td>Abbas Hosseini</td>
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<tr>
<td>TA HOURS PER WEEK¹:</td>
<td>1 position – ½ TA (4 hours/wk)</td>
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**DUTIES (check appropriate boxes)**

**Tutorials**
- Oral instruction
- Demonstrate problem sets
- Aid students in assignments/problem sets

**Laboratories**
- Oral instruction
- Lab set-up
- Running labs

**Marking**

**Monitoring and Optimization of Materials Processing**
- Objective² (“key-type”) marking of assignments, midterms, exams, etc.

**Other duties (specify):**
Maintain website including monitoring the bulletin board and helping with any questions on the course content and case study problems.

**Note:** This is an official TA position.

This class may contain up to 120 students

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¹TA positions are normally ¼, ½, or 1 load, which represents a workload of 2, 4, and 8 hours a week for 16 weeks, respectively.

²If the only task the TA does is objective marking, the salary is substantially lower than for a regular TA.
# MTRL 478 – Electronic Materials

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<tr>
<td>COURSE:</td>
<td>MTRL 478</td>
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<tr>
<td>INSTRUCTOR:</td>
<td>Maggie Xia</td>
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<tr>
<td>TA HOURS PER WEEK¹:</td>
<td>1 position – 1/4 TA – 2 hours per week</td>
</tr>
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## DUTIES (check appropriate boxes)

### Tutorials
- Oral instruction ✔
- Demonstrate problem sets ☐
- Aid students in assignments/problem sets ✔

### Laboratories
- Oral instruction ☐
- Lab set-up ☐
- Running labs ☐

### Marking
- Subjective marking of assignments, midterms, exams, etc. ✔
- Objective² (“key-type”) marking of assignments, midterms, exams, etc. ☐

### Other duties (specify):

The TA will conduct a laboratory tour in AMPEL and give associated oral instructions (e.g. regarding Molecular Beam Epitaxy); these tasks are equivalent to those of tutorials even though there is no tutorial per se associated with the course.

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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.
MTRL 494 – Composite Materials

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<td>COURSE:</td>
<td>MTRL 494</td>
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<td>INSTRUCTOR:</td>
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<tr>
<td>TA HOURS PER WEEK:</td>
<td>1 position – ½ TA – 4 hours per week</td>
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**DUTIES (check appropriate boxes)**

**Tutorials**
- Oral instruction
- Demonstrate problem sets
- 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, etc.

**Other duties (specify):**

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\(^1\) TA positions are normally \(\frac{1}{4}, \frac{1}{2}, \text{ or } 1\) 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.
# 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 \(\square\)  
- Demonstrate problem sets \(\checkmark\)  
- Aid students in assignments/problem sets \(\checkmark\)

**Laboratories**  
- Oral instruction \(\square\)  
- Lab set-up \(\square\)  
- Running labs \(\square\)

**Marking**  
- Subjective marking of assignments, midterms, exams, etc. \(\checkmark\)  
- Objective\(^2\) ("key-type") marking of assignments, midterms, exams, etc. \(\square\)

**Other duties (specify):**  
Marking lab reports

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\(^2\) 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 |
| COURSE:       | MANU 481 |
| INSTRUCTOR:   | Ben Britton |
| TA HOURS PER WEEK¹: | 1 position – 1 X ¼ TA |

**DUTIES (check appropriate boxes)**

**Tutorials**
- Oral instruction
- Demonstrate problem sets
- Aid students in assignments/problem sets

**Laboratories**
- Oral instruction
- Lab set-up
- Running labs

**Marking**
- Subjective marking of assignments, midterms, exams, etc.
- Objective² (“key-type”) marking of assignments, midterms, exams, etc.

**Other duties (specify):**

---

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.
MANU 481 – Manufacturing Processes III

### ACADEMIC YEAR:

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<td>INSTRUCTOR:</td>
<td>TBA</td>
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<tr>
<td>TA HOURS PER WEEK(^1):</td>
<td>1 position – 1 X ¼ TA</td>
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</table>

### DUTIES (check appropriate boxes)

#### Tutorials
- Oral instruction [ ]
- Demonstrate problem sets [✓]
- 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, etc. [ ]

#### Other duties (specify):
- Running deformation model in ANSYS
- Support to run lab demonstrations (e.g. colloid/interface chemistry) during workshops
- Facilitate group learning, esp. with EDI considerations
- Facilitate hybrid learning (both TAs)

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