Teaching Assistant for Calculus

The primary role of this Teaching Assistant will be to independently lead hour-long weekly discussion groups for the affiliated section of Calculus I or Calculus II. Ideally the TA will attend the lecture sections most of the time. The position also comes with some responsibility for grading student work.

Being a Teaching Assistant gives you an opportunity to develop teaching skills by working closely with our expert faculty and interacting with students in a classroom setting. Working with other students is a great way to strengthen your own mathematical abilities, and provides a valuable service to your fellow students.

MATH 1510 Calculus I covers limits, differentiation, and the beginnings of integration theory. MATH 1520 Calculus II covers techniques and applications of integration, infinite sequences and series, and differential equations. Each lecture section of Calculus will have approximately 50 students. All students will attend the MWF lectures. The students will then split into three groups for an additional hour of instruction (a “discussion section”) led by the Teaching Assistant on Tuesday or Thursday.

We hope to find TAs who can lead all three discussion sections for a particular lecture section, but will consider mixing schedules if needed.

Available schedules for Spring 2023 (we need TAs for each of these courses):

<table>
<thead>
<tr>
<th>Section</th>
<th>Discussion Sections Meet</th>
<th>Lecture Meets</th>
<th>Instructor</th>
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</thead>
<tbody>
<tr>
<td>1510-02</td>
<td>Tuesday 9-9:50am, 10-10:50am, 12-12:50pm</td>
<td>MWF 9-9:50am</td>
<td>Dr. Brody Johnson</td>
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<tr>
<td>1510-03</td>
<td>Thursday 9-9:50am, 10-10:50am, 12-12:50pm</td>
<td>MWF 12-12:50pm</td>
<td>Dr. Dorsa Ghoreishi</td>
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<tr>
<td>1510-05</td>
<td>Thursday 11-11:50am, 1:10-2:00pm, 2:10-3:00pm</td>
<td>MWF 1:10-2:00pm</td>
<td>Dr. James Gill</td>
</tr>
<tr>
<td>1520-05</td>
<td>Thursday 8-8:50am, 9-9:50am, 11-11:50am</td>
<td>MWF 9-9:50am</td>
<td>Fr. Mike May</td>
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</tbody>
</table>

In total, this position should require 9 working hours per week.

In combination with any additional on-campus employment, student workers may not work over 20 hours per week during the academic year or 40 hours per week during the summer.

Responsibilities
- Grade student worksheets / in-class work, and some written homework. (3 hours/week)
- Meet the instructor once a week to discuss the materials to be used in the class. (1 hour/week)
- Prepare each week by reviewing course material. (2 hours/week)
- Independently lead discussion sections 3 hours on Tuesday or Thursday. (3 hours/week)
- Schedule permitting, attend lecture portion of class (additional 3 hours/week)

Job Expectations and Requirements
- Must have completed Calculus 3 and at least one additional math course beyond Calculus.
- Have at least a 3.0 GPA in mathematics and statistics courses and maintain a 3.0 cumulative GPA. Remain in good standing academically.
- Demonstrate competency in mathematics, as reflected through a recommendation from a professor.
- Leading discussion sections requires a strong speaking voice and the ability to write legibly on a chalkboard or whiteboard.
- Necessary personal characteristics for this paraprofessional position include: patience, maturity, approachability, ability to maintain confidentiality, dependability, flexibility, appreciation of diversity, and good communication skills.

Accountability/Compensation
- The learning assistant is supervised by the course instructor.
- Upon successful completion of Banner self-service and timecard documents, tutors will be compensated $15 per hour before taxes to be disbursed according to the University pay schedule.

Applications
Apply online at https://mathstat.slu.edu/resources/student-workers