

Department: Chemistry and Biochemistry

Course Information: CHEM 4642 Quantum Mechanics and Spectroscopy

Instructor: Professor Cembran

Below is information about the sections of the course, the number of LAs we expect to hire per section, and the meeting times that you will be expected to attend for each section.

Before you apply, ensure that these times fit into your schedule.

Section #	Expected Number of LAs for this section	LAs need to attend course functions at the following times:
1	1	MWF 10-11 AM Lecture

In addition to being available for the times listed above, working as an LA also requires the following:

1. All LAs must meet weekly with their faculty member to prepare for the following week's events at a time mutually acceptable to the faculty and LA
2. **All new LAs** must be available to attend a training from 4:30pm – 8pm on Wednesday, January 14th, 2026 (if you have extenuating circumstances that prevent you from attending this training, please contact Carrie Misuraco at cmisurac@d.umn.edu)
3. **All new LAs** must be available to complete training on one of the following weekly times:
 - Wednesdays 3-3:50pm
 - Wednesdays 4-4:50pm
 - Thursdays 2-2:50pm

What will an LA do in this course?

The role of the LA varies slightly in each course. Read below for more information from Professor Cembran on the LA's role in this course.

What is the role of the LA in this course?

LAs in CHEM 4642 will be an essential part of creating an interactive learning environment. In class, they,Âll circulate among student groups, helping to break down complex quantum mechanics and spectroscopy problems, ensuring everyone stays on track. Outside of class, LAs will be available for one hour each week, providing students with additional help on tricky concepts or assisting them in preparing for upcoming assignments. This role allows LAs to engage directly with both the course material and their peers, making a real impact on the students,Â learning experience.

How could being an LA for this course benefit you?

Becoming an LA for CHEM 4642 is a fantastic opportunity to deepen your understanding of quantum mechanics and spectroscopy while also developing essential skills that will serve you well in graduate school or any future career. By helping others grasp challenging concepts, you,Âll reinforce your own knowledge in a way that goes far beyond what you learned the first time around. You,Âll also gain valuable experience in communication, leadership, and problem-solving skills that are critical whether you're heading into a professional field, teaching, or pursuing further studies. Plus, you,Âll be part of a collaborative learning environment that will sharpen your ability to work with others and tackle complex problems - both highly sought-after abilities in the workforce.

Additional Questions:

