

## Emerging Scholars Program (ESP) workshop for Calculus II

Math 182 - Spring 2019

Tuesdays and Thursdays 12 noon - 1:50 pm, Taft Hall 320

- **Instructor:** Jānis Lazovskis, SEO 522

**Office Hours:** Mondays 2:00 pm - 4:00 pm in the Math & Sciences Learning Center, 3rd floor SES

**Website:** [math.uic.edu/~jlv/m182/](http://math.uic.edu/~jlv/m182/)

**Email:** [jlazov2@uic.edu](mailto:jlazov2@uic.edu)

- **Catalog Description:** Intensive math workshop for students enrolled in MATH 181. Students work together in groups to solve challenging problems.

- **Description:** This course complements MATH 181, but goes beyond the material and focuses on how to solve problems rather than on just getting the right solution. The questions will be more advanced and conceptual than in MATH 181. We will be working collaboratively in groups, completing worksheets based on course material.

Before each class, the day's worksheet will be available online on the course website (see above). I will hand out physical copies of the worksheet each class, but you may bring your own copy as well.

- **Grades:** With the help of your classmates, you will complete a worksheet each class period. The worksheets will not be collected, but you may be asked to present a problem to the whole class. The class is graded S/U (Satisfactory/Unsatisfactory), and your grade is based on your attendance. Excused absences do not count against your attendance. "Excused" means you have emailed me before the start of class with a reason for missing the class.

- If you have at most four unexcused absences, you will get an S.

- If you have five or more unexcused absences, you will get a U.

Attendance will be kept track of by a checklist about 20 minutes into every class, so if you are more than 20 minutes late without having emailed me, your absence will count as "unexcused". Please keep track of your own attendance as well.

- **MATH 181 discussion:** You should be signed up for a discussion section for MATH 181, where your TA will go over solutions to homework problems and administer quizzes. MATH 182 will help you master the material, and students in ESP workshops historically have done better in the associated course. This workshop is **not a substitute** for your discussion section.

- **The Math & Sciences Learning Center:** (aka MSLC) Located on the 3rd floor of SES, this is an excellent place to get help with your homework and individual tutoring. It is staffed by math graduate students and some advanced undergraduates who are always happy to help you with the easiest or toughest questions you care to ask. Check your favorite tutor/TA's MSLC schedule at <https://mslc.uic.edu/> later this week. Tutoring begins next week and continues through the end of finals week.

- **ESP tips:** ESP is all about talking to each other about math. It can be hard to do this without prior practice; here are some sample things to say that might help start the conversations:

- Why did you \_\_\_\_\_?
- I think what \_\_\_\_\_ is saying is...
- This makes sense because...
- Can someone please explain...?
- Did you mean \_\_\_\_\_?
- This is like/not like \_\_\_\_\_ because...

You don't have to LOVE math to be here, but you should follow the principle of LOVE:

- Listen as much as you speak. *I don't understand. Can you explain that to me?*
- Own your team's ideas. *Does everyone agree with this idea?*
- Value everyone's input. *What do YOU think about this?*
- Every minute counts. *Okay, let's get back to work.*