

Emerging Scholars Program (ESP) workshop for Calculus II

Math 182 - Spring 2015

Tuesdays and Thursdays 10 AM - 12 PM, Lincoln Hall 307

- **Instructor:** Jānis Lazovskis, SEO 1222

Office Hours: TBD at the Math Learning Center (4th floor SEO)

Website (worksheets): math.uic.edu/~jlv/2015S-m182/

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- **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. We will be working collaboratively in groups, completing worksheets based on course material.

- **Grades:** With the help of your classmates, you will complete a worksheet each class period. You will turn this in with your name on it and it will be returned to you the following class (for your own review as a study guide). **IMPORTANT:** This worksheet will be graded on its completeness and as a record of your attendance and participation, **NOT** on its correctness. If you turn in completely incorrect solutions, you will **STILL** receive full credit.

The class is graded S/U (Satisfactory/Unsatisfactory). To receive a satisfactory grade, only attendance and participation is required. You are allowed UP TO 3 unexcused absences before you grade would result in an unsatisfactory.

- **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. However, this workshop is not a substitute for your discussion section.

- **The Mathematical Sciences Learning Center:** (aka MSLC or MLC) Located at SEO 430, this is an excellent place to get help with your homework and individual tutoring. It's staffed by math graduate students (including your TA) 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 MLC schedule at <http://www.math.uic.edu/mslc/?sid=schedule> 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.*