

# EMERGING SCHOLARS PROGRAM (ESP) WORKSHOP FOR MATH 215

Math 294, Spring 2019

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<b>Instructor:</b>	Thomas Dean
<b>Location:</b>	Tuesday or Thursday, 12:00 PM - 1:50 PM, 311 AH
<b>Office Hours:</b>	Tuesdays, 10:00 AM - 12:00 PM, Math Learning Center
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**Catalog Description:** Intensive math workshop for students enrolled in MATH 294. Students work together in groups to solve challenging problems.

**Description:** This course complements MATH 215, 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 215. We will be working collaboratively in groups, completing worksheets based on course material. Before each class, the days 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:** You will be assigned a letter grade in this class based on attendance, which is determined by submissions of problems discussed in class. By the end of class each week, you will have to submit a proof that was given on the week's worksheet. Although you will be working in a group each class, each student will submit a problem with the solution written in their own words. The focus will be placed on prose and writing clear and concise arguments. Not submitting a problem will result in an absence for that day.

- If you have at most two unexcused absences, you will get an A.
- If you have three unexcused absences, you will get a B.
- If you have four unexcused absences, you will get a C.
- If you have five unexcused absences, you will get a D.
- If you have six or more unexcused absences, you will get an F.

**Math 215 Discussion:** You should be signed up for the MATH 215 lecture. MATH 294 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 lecture.

**The Mathematical Sciences Learning Center:** (aka MSLC or MLC) Located in SES, this is an excellent place to get help with your homework and individual tutoring. It is 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/TAs MSLC schedule at <https://mslc.uic.edu/schedule/> later this week. Tutoring begins next week and continues through the end of finals week.