



**William F. Rosenberger, Ph.D.**  
Fellow, IMS, ASA  
University Professor  
Chairman, Department of Statistics  
Volgenau School of Engineering  
George Mason University

To: All new and returning graduate students  
M.S. Biostatistics  
M.S. Statistical Science  
M.S. Data Analytics concentration Statistics  
Ph.D. Statistical Science

From: W. F. Rosenberger

Date: July 2, 2018

**RE: Math Refresher Course**

Each year, the Department hosts a Math Refresher Course on three Saturdays at the beginning of the Fall semester as a free service to our incoming and returning M.S. and Ph.D. students. **I consider this an essential component of the graduate curriculum.** Every semester there are students who have difficulty in our courses because they have either taken the prerequisite math courses a long time ago, or they didn't fully understand the material when they took them (even if their grade shows otherwise). For this reason, the Department decided to invest in a refresher course to assist our students in mastering the mathematics needed to succeed in our M.S. program. While this course is primarily for M.S. students, several incoming Ph.D. students have said that they found it beneficial.

This year the schedule is as follows:

**Saturday, September 8, Review of Algebra, Set Theory**

**Saturday, September 15, Review of Univariable and Multivariable Calculus**

**Saturday, September 22, Review of Matrix Algebra**

All sessions run from 9 a.m. to 4 p.m. Breakfast will be provided by the Department. Students can eat on campus during the lunch break. The instructor is Dr. Tigran Markaryan, who is an adjunct faculty, recipient of the first Ph.D. in Statistical Science, and Executive Vice President of Custom Analytics at Ipsos MMA.

We look forward to your participation.

**RSVP required to Carroll Barbour [gbarbour@gmu.edu](mailto:gbarbour@gmu.edu) by Friday, August 3.**

Dr. Markaryan will contact you with more information closer to the time of the sessions.