BGSU | DEPARTMENT OF
Mathematics
and **Statistics**

B O W L I N G   G R E E N   S T A T E   U N I V E R S I T Y

Course offerings for Summer 2019

Second session, July 8 to August 16:

Math 5410, Probability and Statistics I, 1:00 to 2:35 pm, M,T,W,Th
Dr. Hanfeng Chen

The gateway to the profession of statistics, and excellent preparation for teaching statistics. Probability; conditional probability; random variables; distribution functions; expectations; random sampling and sampling distributions; central limit theorem; laws of large numbers. Prerequisite: Math 2330/2350 (Calculus III).

Math 5650, Introduction to Real Analysis I, 9:15 to 10:50 am, M,T,W,Th
Dr. Steve Seubert

A beginning course on mathematical analysis, or in other words, the theory behind Calculus I. Excellent background for teaching AP Calculus. Topics covered include convergence of sequences and series, continuity, derivatives, completeness of the real number system, Mean-value theorem, and Riemann integral. Prerequisite: Math 2330 (Multivariate Calculus), Math 3220 (Discrete Mathematics, proof-based), Math 3320 (Linear Algebra), or consent of instructor.

Math 5820, Mathematics of Photography, Online (You may start this course early)
Dr. David Meel

This course is designed to explore the interrelationships between visualization of mathematical ideas and expression through photography. You will explore various types of photography and the mathematics inherent to them and will learn how mathematics serves as an integral part of taking a photograph including aperture, shutter speed, and ISO.

Helpful Tips:

- Good news! You do not need to be part of a degree program to take classes here at BGSU. Instead you can complete a non-degree seeking application. There is no application fee, and no need to fill out the extra Application to Take Educator Preparation/Development Coursework if you are taking courses for College Credit Plus.

- If you are taking online courses, you can save money by applying to the Certificate in Mathematics for Professionals and Educators as an online student. Apply through BGSU Graduate Admissions.

- To see more Summer course offerings, visit the full BGSU class schedule. Click Summer Semester 2019, Graduate, Main campus, Include Distance, Subject MATH, Search!

- Estimate your cost of attendance by using the calculator tool.

- To register, please write to Mrs. Anna Kelling and Dr. Craig Zirbel to indicate which class(es) you would like to take and what your BGSU ID number is.

- New students, email a scan of your most recent transcripts showing mathematics classes taken, or write text to this effect in an email.

- Please pass this along to other teachers you know who might be interested. We would be happy to work with anyone and everyone who is thinking about taking a course and/or interested in the MAT or MA in Mathematics.

We look forward to hearing from you!