
Course offerings for Fall 2020

August 31st to December 18th

Math 5170 Advanced Math & Early Adult Context – Online, Diem Nguyen

Topics from the middle and secondary school mathematics curricula presented from an advanced point of view. Topics include the development of various number systems, the meaning of area, the fundamental theorem of calculus, infinite cardinalities, and classical problems of geometry. History of mathematics integrated into the course.

Math 5410 – Probability and Statistics I, Tu/Th 11:30-12:45 am, Craig Zirbel

Axiomatic probability; conditional probability; random variables/vectors; distribution functions; expectations; moment-generating functions; special distributions; functions of random variable/vectors; random sampling and sampling distributions; central limit theorem; weak law of large numbers

Math 5470 Exploratory Data Analysis – Online, Hanfeng Chen

An introduction to modern techniques in data analysis, including stem-and-leaves, box plots, resistant lines, smoothing and median polish.

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 Fall 2020, 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. Steve Seubert](#) 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!