

College of Liberal Arts and Sciences

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PSU Summer 2018 Math, Stat and CS Courses for Math Teachers

The F. Maseeh Department of Mathematics and Statistics is offering 3-week, and 4-week graduate courses during the summer for high school and community college level mathematics teachers. The courses are part of the department's *MS-Mathematics for Teachers* [MS-MTCH] program, but the courses are open to all who meet the prerequisites and licensed secondary and community college mathematics teachers. The program is designed for those interested in strengthening their understanding of mathematics, statistics and computing to enrich their Grades 10 - 14 teaching. The program is intended for individuals with an undergraduate mathematics degree or a strong background in mathematics. The courses will be conducted using best practices and include advanced mathematical thinking and advanced mathematical concepts listed in the Common Core State Standards.

MTH 582, 3 credits, *Topics in Statistics for Mathematics Teachers*: July 23 – August 16;
8:00-09:50am Mon – Thurs. Topics in statistics will be explored through statistics
computer packages and theoretical avenues. (4 weeks). Instructor: Rachel Webb

MTH 583, 3 credits, *Topics in Geometry for Mathematics Teachers*: July 23 – August 16;
10:30 – 12:20 Mon – Thurs. Topics in geometry and geometric thinking will be
explored through the lens of the Common Core State Standards. (4 weeks).
Instructor: Steve Boyce

MTH 588, 3 credits *Topics in Computing for Mathematics Teachers*: June 25 – July 1;
8:00 – 10:15 am, Mon – Thurs. Topics in pre-calculus, probability, calculus, linear
algebra, will be explored through computer programming using C. No computer
programming experience is required, although an undergraduate course in
programming is desirable. The course is intended to demonstrate how computer
programming can help in mathematical problem solving. (3 weeks). Instructor:
Jeanette Palmiter

MTH 510/589 *Curriculum Development/EthnoMath* will not be offered Summer 2018. Instead it
is slated to be offered FALL 2018. Course prepares you to begin your MS-MTCH
project.

For information on the MS-MTCH program, consult the Math/Stat Department webpage:
<https://www.pdx.edu/math/ms-in-mathematics-for-teachers-0>

Any questions?? Please contact Dr. Palmiter, the MS-MTCH program advisor, for more
information: palmiter@pdx.edu