

Spring 2020 Undergraduate Seminar

Department of Mathematics



Building Logic

Dr. Eugene Trofimov

Math Lecturer, University of Pittsburgh

Date: Tuesday, February 18

Time: 1:00 - 1:50 pm

Location: Room 703, Thackeray Hall

Evgeni (Eugene) Trofimov was born in the city used to be known by its seven bridges from the famous Euler's problem. Recently he past the point of his age at which he lived exactly $\frac{1}{3}$ of his live in Europe, $\frac{1}{3}$ in Asia, and $\frac{1}{3}$ in North America. His daughter is two years older his son. Eugene is two times older than his son and four year ago he was two times older than his daughter. Can you solve for his age? Eugene received his PhD at Pitt. Since 2011 he has been a lecturer here and he enjoys teaching Pitt students.



Logic is heavily used in mathematics as the basis for proofs. Some believe that logic is an independent discipline which is not a part of mathematics and the last is based on logic. Others think that logic is just one of mathematical subjects. Our goal is to find out which one of these two arguments is right. In this talk, we will make an attempt to show that logic can be built by using mathematical tools and objects and therefore is a subset of mathematics. This also implies that mathematics is self-sufficient. Food and drinks will be provided!

**SPEAKER(S) FOR
NEXT WEEK:**

Behnam Esmayli



Organized by: Derek Orr, Tom Everest, Jeremiah Morgan, and Jeff Wheeler