

## Undergraduate Math Seminars on Zoom

Piggybacking on other colleges' seminars, on **Tuesday, October 20** at **5:00pm**, the Kutztown University Association of Women in Mathematics' virtual lecture series continues with a talk, "**A Mathematical Journey into Biological Systems**," by **Professor Lucia Carichino** of the Rochester Institute of Technology. In the talk, Professor Carichino will outline how she has used mathematical and computational methods to study biological systems, such as the human eye or spermatozoa locomotion. To access the talk, use Zoom ID: 964 4012 0430.

## Petitioning Ends on Tuesday, October 20

As part of winter term preregistration, do not forget to submit your petitions before the end of **Tuesday, October 20**. The math courses that are petition courses this winter are listed below:

The Petition Math Courses: IMP 120; Math 110, 113, 340, and 487; Stats 104

## Putnam Exam Preparation Continues!

Do you enjoy working on interesting math problems that require some out-of-the-box thinking? Would you like to expand your problem-solving repertoire? Then join the low-stress, high-fun Union College **Putnam Exam Preparation (PEP) Squad** on **Thursday nights, 7:00-8:00pm**, in **Bailey 207**. And, no, you are not required to take the Putnam Exam if you are in the PEP squad! For more information, contact **Professor Greg Malen**: [maleng@union.edu](mailto:maleng@union.edu).



Who are these socially-distanced, masked math problem solvers? Join the PEP squad and find out!

## Calculus Help Center

The math department offers free tutoring by advanced math students in the Calculus Help Center (CHC). The CHC, which serves calculus courses through Math 117, runs **Sunday, Tuesday, and Thursday nights, 7:30-10:00pm**, in the Zoom room with Zoom ID: 995 1676 8139.

**Math Club Movie Night: Thursday, October 22.**  
**Contact Lily Dong ([dongl@union.edu](mailto:dongl@union.edu)) for more information.**

## Problem of the Newsletter – October 19, 2020

While there was no PON last week, a second solution to the October 5 PON, compliments of the problem's poser, Economics Professor Lewis Davis, is posted on the bulletin boards in Bailey Hall.

**This week's problem:** Here's are a couple of other fun mathlete problems to get you thinking about factorizations (that is a hint!).

1. What is the smallest number with 77 divisors?
2. When multiplied out, how many zeros are at the end of 2020! (factorial)?

Send solutions to **Professor Paul Friedman** ([friedmap@union.edu](mailto:friedmap@union.edu)) by noon, Friday, October 23.