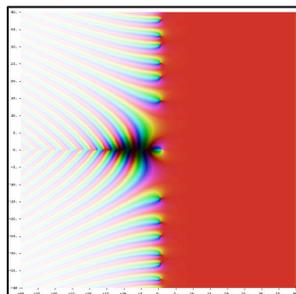In Fall 2012, take a different kind of math course!

STRESS-FREE MATH

Math 550: The Riemann zeta function and beyond (MW 1:40-2:55)

- A course about what mathematicians still DON'T know.
- We'll discuss some recently solved and some open problems at the forefront of current research.
- **No homework, no exams**. We will even watch a movie!

See course description on reverse for details

HOW TO REGISTER

20 seats are reserved for Queens College students . Register **in person only** in the Mathematics Department, Kiely 237**.**

ePermit students are welcome to attend virtually. To register, contact the Mathematics Department at 718-997-5800.

Course Description

Course: Queens College Math 550, (MW 1:40-2:55) Fall 2012
Note: the formal number of this course is Math 550.3

Title: The Riemann zeta function and beyond.

Instructor: Dr. Krzysztof Klosin

Description: The main objective is to discuss some mathematical topics which are at the forefront of current research in a fashion that would be understandable to a student who just finished basic calculus. The class will be very informal and stress-free no homework or exams. We will also watch a movie.

It is often an impression that math is dry and finished and therefore "dead". One of the objectives of the course is to convince the student that pure mathematics is very much alive and to show them how little we mathematicians actually know about numbers. Topics include: prime numbers and open questions concerning them, unique factorization, complex numbers, the Riemann zeta function, Riemann hypothesis, transcendental and algebraic numbers, elliptic curves, Fermat's Last Theorem.

Queens College students will prepare a short presentation on a topic of their choice. **ePermit students** will submit a paper.

Accessible to all students who took Math 143 or equivalent OR who are **familiar with infinite series on a calculus level**.

For more information, contact the instructor (Dr. K. Klosin) at 718-997-5833