

August 05, 2011

Dear Math concentrators,

Welcome back!

In your Communication Packet via online registration you will find several pamphlets prepared by the Department. If you haven't read them before, we urge you to do so: they contain useful information on selecting math courses, applying to graduate schools, getting part-time and summer jobs in mathematics, selecting senior thesis topics and advisors, etc. In particular, they describe the Math Expository requirement that students are required to comply with. Even if not all of these topics seem relevant for you, please browse through the pamphlets anyway – you may be surprised at what you learn.

There will be two tutorials offered this year: one in the Fall and one in the Spring.

**Fall 11:**

- *Category Theory*, taught by Atanas Atanasov.  
Prerequisite: Math 122 will be essential

**Spring 12:**

- *Grupoids in Topology*, taught by Omar Antolin Camarena.  
Prerequisites: Math 122, some familiarity with the fundamental group (e.g. Math 131) is desirable but not required
- *The Figure Eight Knot: An Introduction to Hyperbolic Geometry*, taught by Stergios Antonakoudis.  
Prerequisites: Math 122 and Math 131

The description of the tutorials will be posted on the undergraduate bulletin boards (one opposite rm. 320, the other opposite rm. 503). They will also be e-mailed to all math concentrators on our mailing list and posted on the Math Department website <http://www.math.harvard.edu>.

We would also like to remind you of some upcoming events:

**Tuesday, 8/30, 5:30 pm.** The first meeting of the Math Club at Mather House.

**Wednesday, 8/31, 4:30 pm.** Organizational sign-up meeting for the Fall Tutorials in room 507.

**Friday, 9/16, 3:00 pm.** Math Concentrators' Party in the 4th floor Common Room.

Please check the Undergraduate bulletin boards periodically for more announcements.

Have a good semester,

Peter Kronheimer  
Director of Undergraduate Studies