Dear Math concentrators,

Welcome back!

In your registration packet 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 five tutorials offered this year: three in the fall and two in the spring.

**Fall 06:**

1. *Enumerative geometry*, taught by Dawei Chen. Prerequisite: familiarity with some ideas and techniques in Math 137 or equivalent would be helpful.

2. *Morse theory*, taught by Chen-Yu Chi. Prerequisite: Math 135 or familiarity with ideas in differential geometry.

3. *Geometry and physics*, taught by Aleksandar Subotic. Prerequisite: advanced undergraduate preparation would be preferred.

**Spring 07:**

1. *Elliptic Functions*, taught by Chun-Pang Mok. Prerequisite: Algebra on the level of Math 122, and complex analysis on the level of Math 131.

2. *Geometry in Real and Complex Projective Space*, taught by Rina Anno. Prerequisite: Math 122; Math 131 or familiarity with elementary topology (continuity, compactness, homeomorphisms); familiarity with complex numbers (complex analysis is not a prerequisite).
The description of the tutorials are 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, 9/19, 5:30 pm.** The first meeting of the Math Club at Mather House.

**Wednesday, 9/20, 4:00 pm.** Organizational sign-up meeting for the Fall Tutorials in room 507.

**Friday, 9/22, 3:00 pm.** Math Concentrators’ Party in the 4th floor Common Room.

**Friday, 9/22, 4:00 pm. (after Concentrators’ Party)** Meeting for new concentrators and other interested parties to discuss course selection and long range planning for future courses (room 507).

Please check the Undergraduate bulletin boards periodically for more announcements.

Have a good semester,

Peter Kronheimer  
Director of Undergraduate Studies