Bringing Mathematics to the Community*

*Definition: Community is the complement of the Mathematics Department in the Universe.

I) TEACHING OPPORTUNITIES
Positions for faculty and graduate students (above the second year)

A) Summer school courses in the Mathematics Department

<table>
<thead>
<tr>
<th>Course</th>
<th>Time</th>
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<tbody>
<tr>
<td>Math 15100: Calculus I</td>
<td>June 18 – July 20, 2012</td>
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<tr>
<td>Math 15200: Calculus II</td>
<td>July 23 – August 24, 2012</td>
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<tr>
<td>Math 19500: Multivariable Calculus</td>
<td>MTWRF (2 hours per class)</td>
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<tr>
<td>Math 19600: Linear Algebra</td>
<td>MWF (2 hours per class)</td>
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</tbody>
</table>

Compensation: $6,800 per course

B) Chicago Academic Achievement Program (CAAP)
(courses for entering University freshmen)
The four courses that will be offered are similar to the Summer 2011 courses:
1) Basic Mathematics
2) & 3) Intermediate Mathematics
4) Pre-calculus and Calculus

June 24 – August 6, 2012
Three or four days a week (will be determined later)
Compensation: $6,000 - $7,500 per course depending on experience

C) Collegiate Scholars Program (CSP)
(courses for minority high school students from the Chicago Public Schools)
1) Core Mathematics (two sections)
   June 25 – August 3, 2012
   MWF: 8:45 – 10:30am
   Compensation: $6,000 per course

2) ACT – SAT Prep (one section)
   June 25 – August 3, 2012
   MWF: 8:45 – 10:30am
   Compensation: $6,000

Consult Paul Sally (Ryerson 351) for more information: 773-702-7389 or sally@math.uchicago.edu
II) Counselor Opportunities for Outreach Programs

Note that counselor positions are available for the Undergraduates as well as the first and second year Graduate Students.

A) YSP – SESAME

Young Scholars Program (YSP)
(Counseling mathematically talented high school students)
Time: 9:30am – 2:30pm
Monday – Friday
Compensation: $3,000

SESAME Program
(Counseling Chicago Public School teachers)
Time: 9:30am – 2:30pm
Monday – Friday
Compensation: $3,000

Counselors may work both YSP and SESAME if they wish.

There will be two seminars available to counselors at different levels of advanced mathematics topics, conducted in the style of Inquiry Based Learning (IBL). These seminars will take place in the afternoons after the regular daily schedule is completed. The advanced IBL seminar will study the Representation Theory of Compact Groups and Compact Lie Groups. Subject matter of the basic IBL seminar will be determined later.

B) Collegiate Scholars Program (CSP)
(Counseling minority high school students from Chicago Public Schools)
June 25 – August 3, 2012
Time: 8:30am – 1:00pm
Monday – Friday
Compensation: $3,000

Counselors in Collegiate Scholars Program may also participate in the Inquiry Based Learning seminars.

C) Polk Brothers Program
(Counseling Chicago Public School teachers)
June 25 – July 26, 2012
Time: 9:00am – 12 noon (Open Approach to Teaching Mathematics)
Time: 1:30pm – 4:30pm (Calculus and Geometry)
Monday – Thursday
Compensation: $3,000 per class per counselor

There are a limited number of positions. Apply early. Visit the SESAME Program website to download the application: http://www.math.uchicago.edu/sesame/counselors.html

III) Other Opportunities

There are many grading and tutoring jobs attached to the courses taught in the summer programs. Compensation varies. Inquiries may be addressed to John Boller (Ryerson 354), Diane Herrmann (Eckhart 212), or Paul Sally (Ryerson 351).