This summer the North Carolina Partnership for Improving Mathematics and Science (NC–PIMS), through funding provided by the National Science Foundation (EHR-0226877), is pleased to open its 2006 summer/fall geometry courses to grade 6-12 mathematics teachers in eastern North Carolina on a space-available basis. While preference will be given to teachers in the NC–PIMS school districts, all North Carolina mathematics teachers are invited to apply. The course consists of five days (8:30-4:00) in the summer, as well as the equivalent of a six-hour day offered online in September and a face-to-face Saturday in October.

Participants will study geometry in a problem-solving, technologically-rich manner. The course develops the foundations of plane and solid Euclidean geometry: definitions and terminology, congruence and similarity criteria, the coordinate plane, constructions, transformations, area, volume, Platonic solids, properties of quadrilaterals, the inscribed angle theorem and associated circle theorems. Applications will include computer generation of smooth curves, tiling of the plane, figures of constant width, tangency, summation, iteration, fractals and graph theory. Geometer’s SketchPad® will be used extensively for illustrations, experimentation and assignments.

Participants will receive graduate credit from the NC-PIMS partner university (ECU, FSU or UNCW) sponsoring the section of the course they attend. Tuition, fees and supplies for the three-credit hour course will be provided by NC-PIMS. Prior approval of the use of these courses in an existing degree program or for use in your professional development renewal plan is recommended.

In addition to these benefits, participants who complete the courses will receive a stipend of $500. This stipend will be paid in December 2006 after a participant’s successful completion of the course. Only those teachers who satisfactorily complete all in-class activities and out-of-class assignments will receive the stipend. The stipend will not be prorated to accommodate those who have missed any parts of classes or assignments.

The following sections currently have space available:

<table>
<thead>
<tr>
<th>DATES:</th>
<th>UNIVERSITY</th>
<th>LOCATION</th>
<th>COUNTY</th>
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<tbody>
<tr>
<td>June 26-30 and October 14</td>
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<td>Educational Resource Center</td>
<td>Cumberland</td>
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<tr>
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<td>July 10-14 and October 28</td>
<td>ECU</td>
<td>D. H. Conley High School</td>
<td>Pitt</td>
</tr>
<tr>
<td>July 17-21 and October 28</td>
<td>ECU</td>
<td>Eastern Wayne High School</td>
<td>Wayne</td>
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Teachers interested in participating must submit the attached application to the NC-PIMS Site Coordinator at the university offering the NC-PIMS course that they would like to attend. The deadline for our RECEIPT of your application (by mail or fax) is May 26, 2006. You will be notified of the status of your application via your email address by June 2nd.

<table>
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<tr>
<th>FSU</th>
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<tr>
<td>Rosie McMillan</td>
<td>Lynn Allen</td>
<td>Gayle Baker</td>
</tr>
<tr>
<td>Mathematics/Science Education Center</td>
<td>Science and Mathematics Education Center</td>
<td>Center for Science, Math and Technology Education</td>
</tr>
<tr>
<td>1200 Murchison Rd., SBE 328</td>
<td>601 S. College Rd.</td>
<td>319 S. Cotanche Street, Bldg 159</td>
</tr>
<tr>
<td>Fayetteville, NC  28301</td>
<td>Wilmington, NC  28403-5796</td>
<td>Greenville, NC  27858</td>
</tr>
<tr>
<td>Fax: 910-672-1862</td>
<td>Fax: 910-962-7146</td>
<td>Fax: 252-328-6491</td>
</tr>
</tbody>
</table>
APPLICATION TO PARTICIPATE IN ONE OF THE 2006 NC-PIMS GEOMETRY COURSES FOR GRADE 6-12 TEACHERS

If space is available, I would like to participate in the NC-PIMS Geometry Course for Grade 6-12 Teachers being offered by your university. In the event that my first choice is not available, I request that my application be considered for my second preference. I have placed a “1” by my first Preference and a “2” by my second preference.

<table>
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<tr>
<th>PREFERENCE</th>
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</table>

I understand that if my request to participate is accepted, I will be required to complete all of the paperwork necessary to be admitted to your university as a non-degree graduate student and that this will include the need for me to have transcripts forwarded from all universities that I have attended.

I further understand that I will only receive a stipend if I fully attend all classes and successfully complete all in-class activities and out-of-class assignments. I realize that this amount will not be prorated if I am late to class or need to leave early.

Name (printed): ___________________________________________________________

Name (signed): ___________________________________________________________

Date: _________________________________________________________________

Please complete the following information. Pay particular care to make sure that your contact information is accurate and easily read.

School: _______________________________________________________________

School District: _______________________________________________________

Home Phone: ___________________________________________________________

School Phone: _________________________________________________________

Email: _________________________________________________________________

Are you currently enrolled in a graduate degree program? _____________________

If yes, what program? Where? ___________________________________________