Our Mission

The core of Ritter Planetarium-Brooks Observatory’s mission is community outreach, in the form of school field trips and public programming. More information about all of the programming at Ritter Planetarium can be found at www.rpbo.utoledo.edu.

Ritter Planetarium
Brooks Observatory
The University of Toledo, Toledo OH 43606
Ph: (419) 530-2650 Fax: (419) 530-5167
E-mail: rpbo@astro.utoledo.edu
www.rpbo.utoledo.edu
This special workshop is made possible by a grant from the National Science Foundation to Dr. Rupali Chandar. The workshop will cover astronomical and physical science concepts linked to the Ohio Science Standards for grades 6 through 12, with a special focus on the Universe beyond our own solar system. Emphasis will be on hands-on activities, observational astronomy and interdisciplinary approaches to teaching astronomy. This workshop will utilize the full resources of the Ritter Planetarium-Brooks Observatory, the Ritter Observatory, and the department of Physics and Astronomy. Graduate credit may be arranged for those interested.

Twenty area middle and high school teachers (grades 6 through 12) will be selected to participate in this workshop. The first phase of the workshop will be a three-day course focusing on the birth, lives and deaths of stars; exoplanets and planet formation; galaxies; and the large scale structure of the Universe. A special focus will be on utilizing free resources produced by the scientific community that can be used in the classroom. The group will meet daily from 9:00 am to 5:00 pm, July 12-14, with a one-hour break for lunch.

The second phase will consist of four half-day Saturday sessions during the school year in which the teachers will be able to share their experiences with each other and complete an educational or research project. This project may include the rare opportunity of conducting research using the Ritter Observatory’s one-meter telescope, designing and testing classroom activities, or producing a planetarium program. Specific dates will be agreed upon later by the group.

The workshop will be under the direction of Dr. Rupali Chandar, Assistant Professor of Physics and Astronomy. For more information, please contact Mr. Alexander Mak at 419-530-4641 or by email at amak@utnet.utoledo.edu.

To apply complete the enclosed form. Include a letter of recommendation from your principal or department head, and return to:

<table>
<thead>
<tr>
<th>Application Form</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Alexander Mak</strong></td>
</tr>
<tr>
<td>University of Toledo</td>
</tr>
<tr>
<td>Mail Stop 113</td>
</tr>
<tr>
<td>Toledo, Ohio 43606</td>
</tr>
</tbody>
</table>

**Application Deadline is April 1st.**

* Plus four Saturday mornings in 2010-2011