

## ADVISORY

CHED and DepEd Memoranda regarding this activity shall be posted on and downloaded from our website at: <http://www.upb.edu.ph>.

## INQUIRIES

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*The*  
College of Science  
University of the Philippines Baguio

*invites you to its*

**19<sup>th</sup> Summer Institute in  
the Natural Sciences  
and Mathematics  
(SINSM)**

2 - 4 April 2012

The Summer Institute in the Natural Sciences and Mathematics (SINSM) is an annual extension service of the College that seeks to offer venues by which educators in the Sciences and Mathematics in the Cordillera region, as well as nearby areas, are updated on current issues in these fields. Since 1990, the SINSM has trained and updated secondary and tertiary teachers on the latest developments in theory, applications and pedagogy, as well as refresher courses in the basic concepts in the fields of Biology, Mathematics, Computer Science, Physics, Chemistry, and Geology. Our service is inspired by objectives of the Commission on Higher Education (CHED) to inculcate academic excellence in the teaching of Science and Mathematics-allied degree programs by strongly encouraging the conduct of lectures and seminar workshops that promote interest in and awareness of developments in the basic and advanced Sciences and Mathematics.

The 19<sup>th</sup> SINSM is scheduled on 2-4 April 2012. Each Department in the College has its own theme, schedule and venue for the activity.

#### DEPARTMENT OF BIOLOGY

The SINSM of the Department of Biology will be held at the **Philippine Science High School (PSHS)-Region I in San Ildefonso, Ilocos Sur** on **2-4 April 2012** with the theme ***“Monitoring Potential Conservation Sites in Northern Philippines”***. The thrust of this year’s SINSM is to equip and train participants in conducting short- to long-term field monitoring studies focusing on biodiversity. There will be common lecture sessions; however, break-out sessions will also be conducted in preparation for trips to specific ecosystems such as terrestrial habitats, rivers, mangrove forests and marine ecosystems. The training is designed for secondary and tertiary level educators, research staff of environment-related government agencies and NGOs who are planning to do field research.

An early bird registration fee of Php 3,100.00 applies to those who will register until March 26, 2012. On-site registration fee is Php 3,600.00. This entitles the participants to a seminar kit, lunch and snacks during the seminar-workshop proper but does not cover accommodations and meals outside the sessions.

#### DEPARTMENT OF PHYSICAL SCIENCES

The Department of Physical Sciences (DPS) will be having its SINSM in two subject areas: Physics and Chemistry. It will be held on 2-4 April 2012.

The themes for this year’s SINSM of the DPS are ***“Teaching Physics for Everyday Life”*** and ***“Teaching Strategies in Chemistry”***. The main focus of this year’s SINSM is to give teachers, especially secondary school teachers, more ideas and strategies in handling physics and chemistry courses, especially in laboratory work.

An early bird registration fee of Php 2,500.00 applies to those who will register until March 26, 2012. On-site registration fee is Php 2,800.00. This will entitle the participants to a seminar kit, lunch, AM and PM snacks during the workshop.

For the venue and other details, please contact **Ms. Bhazel Anne Pelicano** – email address: [bhazie@gmail.com](mailto:bhazie@gmail.com), contact # 09177267598.

#### DEPARTMENT OF MATHEMATICS AND COMPUTER SCIENCE

The culture and environment for research in the Philippines have not been well developed. Thus, it is necessary to place emphasis on research so that this country can join the ranks of world class nations in the 21<sup>st</sup> century. This is the reason why the promotion of research in HEIs is one of the mandates of the CHED. CHED formulated the National Higher Education Research Agenda (NHERA) 1998-2007, which provides “the policies,

strategies, priorities and procedures as well as guidelines to promote, encourage and support research in the Philippine public and private HEIs.

It is in this light that the Department of Mathematics and Computer Science of UP Baguio has adopted the theme ***“Pushing Forward for Research in Northern Luzon: Surveying Research Output and Exploring Research Directions in Mathematics and Mathematics Education”*** for the Mathematics Workshop of the SINSM on **2-3 April 2012** at **UP Baguio, Baguio City**.

The goal of this workshop is to have a survey of researches in Mathematics and Mathematics Education in the national and regional (Northern Luzon) levels, providing a firm introduction of concepts used in such researches and exploring possible directions in these research areas. Leading researchers in Mathematical Crystallography, Graph Theory, Mathematical Modeling and Mathematics Education are invited to share their experiences and recommendations. Researchers in any area of Mathematics and Mathematics Education in NL are also invited to share their newly-started or on-going researches (including initial results if any), and main results in the case of completed researches.

Hence, the workshop is intended for graduate students and faculty of HEIs offering graduate degrees in Mathematics and Mathematics Education. Secondary school teachers working on investigatory projects in Mathematics are also encouraged to attend. The expected outcome of the workshop is a heightened awareness of mathematicians and Mathematics educators on research opportunities and the importance of research collaboration between scientists and educators, among others.

Registration fee for MSP members is Php 1,600.00 and Php 1,800.00 for non-members. This will entitle each participant a seminar kit, lunch and snacks during the workshop proper.