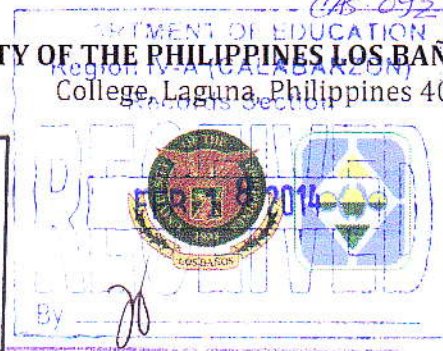
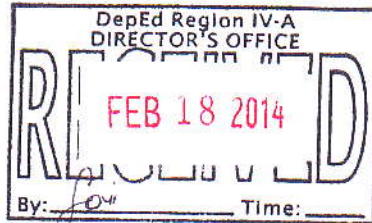


UNIVERSITY OF THE PHILIPPINES LOS BAÑOS  
College, Laguna, Philippines 4031



**MATHEMATICS DIVISION**

Institute of Mathematical Sciences and Physics

February 13, 2014

Dr. Diosdado M. San Antonio  
Regional Director  
Department of Education-Region IV-A  
Karangalan Village, Cainta, Rizal

**SUBJECT: Request to Issue Memorandum Endorsing the Seminar Workshop for High School Teachers on Strengthening the Classroom Approach in Teaching Selected Topics in Mathematics on April 21-23, 2014 at the University of the Philippines at Los Baños**

Dear Dr. San Antonio:

Warm greetings! The Mathematics Division of the Institute of Mathematical Sciences and Physics (IMSP) of the University of the Philippines Los Baños will be conducting a three-day teacher's seminar-workshop that will benefit high school mathematics educators of Region IV. This is one of our extension activities in our commitment to uphold the role of the Institute as a center of excellence in mathematics.

As we all agree, our mathematics teachers today are experiencing major changes because of the K-12 program. With the addition of two years in the regular 4-year high school curriculum, known as the senior high school, many topics in mathematics, mostly from the tertiary level, are introduced in the new curriculum. Because these topics are unpopular to the teachers, there is a need to do a re-tooling to ensure the mastery of the subject matter.

It is the goal of this seminar-workshop to upgrade our high school teachers in the content with focus on Grade 8 and Grade 9 curriculum. Moreover, the participants are expected to come up with assessment/activities that they will use in their own respective classes. Please see attached proposal and tentative program of activities.

In connection with this, we humbly request the issuance of a Memorandum from your office endorsing this activity to all mathematics educators in the Region IV-A.

We are confident that your active support will contribute to the success of this endeavour. Thank you in advance for your favourable response.

Very truly yours,

*Lynie B. Dimasuay*  
Lynie B. Dimasuay  
Chair, Organizing Committee  
(lyniedimasuay@gmail.com, 09166198865)

*Editha C. Jose*  
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Co-chair, Organizing Committee

Endorsed by:  
*Jonathan B. Mamplata*  
Jonathan B. Mamplata  
Division Head, Math Division

*Chryslina Margus N. Piñol*  
Chryslina Margus N. Piñol  
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*Zita V.J. Albacea*  
Zita V.J. Albacea  
Dean, CAS

Received: Joseph  
2/20/14  
4665

TITLE OF TRAINING COURSE:

**Seminar Workshop for High School Teachers on Strengthening the Classroom Approach in Teaching Selected Topics in Mathematics**

SHORT DESCRIPTION:

Our mathematics teachers today are experiencing major changes because of the K-12 program. With the-addition of two years in the regular 4-year high school curriculum, known as the Senior high school, many topics in mathematics were included in the curriculum that are new to the teachers. Some of these are topics in statistics, algebra and geometry. Since majority of the high school teachers in Mathematics are not math majors, there is a need to do a re-tooling to these teachers on the content as well as strategies.

To provide support and encouragement to our secondary mathematics teachers, school leaders in all public and private institutions must come to help and provide training programs that are needed to meet the present day challenges. This proposed seminar workshop will address the deficiency on the content and strategies on the selected topics. It is the goal of this training that our high school mathematics teachers will have the mastery in teaching the new topics in **Grade 8 and 9**, and come up with student assessment and activities suited to their students. Specifically, this activity aims to:

1. upgrade the knowledge of the faculty in teaching the new topics.
2. encourage teachers' ability to use teaching techniques appropriate for the i-generations students.
3. to develop student assessment and activities for the topics learned.

DATE AND TIME SCHEDULE: April 21-23, 2014 (8:00 am to 5:00 pm)

VENUE: Mathematics Building  
University of the Philippines Los Baños

COURSE FEE: Php 900 inclusive of snacks, lunch and materials.

FULL NAME OF COURSE COORDINATOR: Prof. Lynie B. Dimasuay

COURSE STAFF: Extension Committee of Mathematics Division

EMAIL ADDRESS OF COURSE COORDINATOR: [lyniedimasuay@gmail.com](mailto:lyniedimasuay@gmail.com) or [lbdimasuay@up.edu.ph](mailto:lbdimasuay@up.edu.ph)

UPDATED CONTACT TELEPHONE/TELEFAX NUMBER:

Office Number: (049) 501-2982

Fax Number: (049)536-6610

Mobile Number: 0916-619-8865/09088982797

MAXIMUM NUMBER OF PARTICIPANTS REQUIRED: 200 participants on a first come first served basis. Please reserve slot not later than April 4, 2014.

## Tentative Program

### April 21, 2014

#### AM

- 7:30 Registration  
8:30 Welcome Remarks  
8:45 Talk: K-12 vis a vis ASEAN 2015  
9:45 Presentation of Seminar Workshop Objectives  
*Coffee Break*  
10:00 Lecture on Selected Topics in Algebra  
*Lunch Break*

#### PM

- 1:00 Lecture on Selected Topics in Statistics  
*Coffee Break*  
3:15 Lecture on Selected Topics in Geometry

### April 22, 2014

#### AM

- 8:30 Talk: Test Construction  
Break  
10:00 Continuation of the Lecture  
*Lunch Break*

#### PM

- 1:00 Continuation of the Lecture

### April 23, 2014

#### AM

- 8:30 Workshops  
*Lunch Break*

#### PM

- 1:00 Workshop  
4:00 Awarding of Certificates