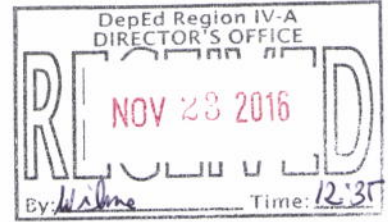




Mathematical Society of the Philippines CALABARZON
 Institute of Mathematical Sciences and Physics
 University of the Philippines Los Baños
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 Email Address: ecjose1@up.edu.ph; editz16@yahoo.com

November 21, 2016

16112470



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

SUBJECT: Request to Issue Memorandum Endorsing the MSPC Enrichment Program for Senior High School Mathematics on January 12-14, 2016 at Polytechnic University of the Philippines (PUP) Mulanay Branch, Mulanay, Quezon

Dear Dr. San Antonio,

Warm Greetings!

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 11-24-16 ephraim

The Mathematical Society of the Philippines Calabarzon (MSPC) will conduct a training workshop dubbed as the **MSPC Enrichment Program for Senior High School Mathematics** on January 12-14, 2017 at PUP Mulanay Branch, Mulanay, Quezon. The 3-day event is open to all mathematics teachers of public and private high schools within CALABARZON.

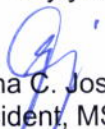
The training aims to (1) provide public and private school teachers with sufficient knowledge in general mathematics, pre-calculus and calculus subject areas of the senior high school curriculum; (2) upgrade materials and strategies used in teaching mathematics; (3) strengthen camaraderie and goodwill among teachers in the CALABARZON; and (4) foster commitment to continue to advance the frontiers of mathematics in the country. This activity is in line with the organization's commitment to improve mathematics education in the region especially with the implementation of the K-12 program.

In this regard, we are humbly requesting the issuance of a Memorandum from your office endorsing this activity to all mathematics educators in CALABARZON. A registration fee of Php 2,500.00 (early bird MSPC members) or Php 3,000.00 (regular) shall be collected from each participant to cover the cost of food, seminar kit, workshop materials and souvenir bag.

Attached are our activity's proposal and tentative program for your reference. For inquiries and reservation of slots, participants may contact Prof. Gilberto Olicia <+639088201567> or <0423197599> or <09238451561>. They can also send email to mspcsep@gmail.com. Only the first 100 confirmed participants will be accommodated.

Thank you very much and we are hoping for your positive action on our request.

Very truly yours,


 Editha C. Jose, Ph. D.
 President, MSPC

To: SDSs
 For your appropriate action, please. Thank you!
 Prof. Olicia
 Editha C. Jose

**MSPC Enrichment Program
for Senior High School Mathematics
12-14 January 2017
PUP Mulanay Branch, Mulanay, Quezon**

Description: A three-day event composed of lectures and training workshops focused on the development of materials and trends in general mathematics, pre-calculus and calculus courses.

Rationale: As a chapter of the Mathematical Society of the Philippines, the organization is committed to carry out activities with the aim of promoting interest and awareness of mathematics and its applications and propagating both knowledge content and pedagogy in mathematics. Further, there is a felt need to develop networks and linkages among schools and colleges within the region in order to address common problems and issues related to mathematics and its delivery that might arise in the implementation of the K-12 program.

Target Participants: Mathematics teachers in public and private high schools within CALABARZON

Objectives: The training aims to (1) provide public and private school teachers with sufficient knowledge in general mathematics, pre-calculus and calculus subject areas of the senior high school curriculum; (2) upgrade materials and strategies used in teaching mathematics; (3) strengthen camaraderie and goodwill among teachers in the CALABARZON area; and (4) foster commitment to continue advancing the frontiers of mathematics in the country.

Registration: All participants are required to confirm their attendance on or before **January 6, 2017**. Kindly send the required registration form to mspcsep@gmail.com. Everyone is encouraged to register by January 6 since reservations for food, souvenir bags and printing of the workshop materials have to be done in advance. There is no assurance that those who register after this date will enjoy all the privileges of the participants who register early. Only the first 100 confirmed participants will be accommodated.

Registration Fee: Php2500.00 (for MSPC members who paid on or before January 6, 2017)
Php2700.00 (for non-MSPC members who paid on or before January 6, 2017)
Php3000.00 (for those who paid after January 6, 2017)

Registration fee is inclusive of snacks, lunch, dinner, training kit, workshop materials and souvenir bag.

Payment: Payments can be made by bank deposit to the following
Bank of the Philippine Islands (BPI) account:
Account Name: **Mathematical Society of the Phils. Calabarzon Chapter**
Account Number: **0913-2792-04**

The accomplished registration form (original copy) and deposit slip shall be submitted on the day of the event.

Outline and Content:

There will be four (4) lectures covering the topics on functions, logic, analytic geometry and calculus. Workshops on pre- and post- evaluation/assessment, module preparation/lesson planning, and teaching strategies will be embedded in the said lectures.

Outline:

- A. *Logic*
 - a. Propositional logic
 - b. Validity of arguments
 - c. Methods of proof
 - d. Methods of disproof
- B. *Analytic Geometry*
 - a. Conic sections
 - b. Word problems involving conic sections
- C. *Functions*
 - a. Review of functions
 - b. Inverse functions
 - c. Polynomial and rational functions
 - d. Exponential and logarithmic functions
- D. *Calculus*
 - a. Limits
 - b. Derivatives
 - c. Antiderivatives

Schedule of Activities

	TIME	ACTIVITIES
Day 1 Jan 12, 2017 Thursday <i>with fellowship dinner</i>	7 – 9 AM	Registration
	9 – 10 AM	Opening Ceremony
	10 – 12 NN	Lecture 1: Logic Speaker: Prof. Velimor D. Almonte Malayan Colleges Laguna
	12 – 1 PM	Lunch 1
	1 – 2 PM	Workshop 1
	2 – 4 PM	Lecture 2: Analytic Geometry Speaker: Dr. Miraflor C. Gutierrez University of Batangas
	4 - 5 PM	Workshop 2
Day 2 Jan 13, 2017 Friday <i>with Math Talent showcase and dinner</i>	7 – 8 AM	Registration
	8 – 10 AM	Lecture 3: Functions Speaker: Prof. Aldren B. Narzoles LPU Cavite
	10 - 11 AM	Workshop 3
	11 – 12:30 PM	Lunch 2
	12:30 – 2:30 PM	Lecture 4: Calculus Speaker: Prof. Sharon P. Lubag DLSU Dasmarias
	2:30 - 3:30 PM	Workshop 4
	3:30-5:30 PM	Group preparation for Math Talent Showcase
Day 3 Jan 14, 2017 Saturday	7 – 8 AM	Registration
	8-10 AM	Group preparation for lesson demonstration
	10-12 NN	Demonstration of Logic and Analytic geometry groups*
	12-1 PM	Lunch 3
	1 - 3 PM	Demonstration of Functions and Calculus groups*
	3– 3:30 PM	Closing program
		<i>Home Sweet Home</i>

* With critic evaluation

Confirmation of Attendance

Name : _____

School/Address : _____

Email Address : _____

Mobile No. : _____

Note: The accomplished confirmation form and proof of payment shall also be submitted on the day of the training workshop. For inquiries and reservation of slots, participants may contact Prof. Gilberto Olicia <+639088201567> or <0423197599> or MSPC hotline number <09238451561>. They can also send email to mspcsep@gmail.com. Only the first 100 confirmed participants will be accommodated.