

The 2010 CHED-UPLB Summer School and Camp in Mathematics
24 – 29 May 2010
U.P. Los Baños, College, Laguna

The Institute of Mathematical Sciences and Physics (U.P. Los Baños) is cordially inviting teachers of tertiary level mathematics in Region IV-A to the 2010 CHED-UPLB Summer School and Camp in Mathematics to be held in the University of the Philippines Los Baños, College, Laguna on May 24-29, 2010. Approved by the Commission on Higher Education (CHED) as a Center of Excellence Project in Mathematics, this six-day activity aims to re-tool tertiary level mathematics teachers with competencies needed in the advancement of mathematics and its teaching, and to develop networks and linkages among mathematics teachers in the region.

The school and camp consist of popular lectures, short courses and other camp activities focused on the development and trends in discrete mathematics and mathematical didactics. The specific activities include five popular lectures (Growth and Development of Mathematics, The Mathematical Landscape, Algebra, Geometry, and Analysis), five short courses on Discrete Mathematics (Principles of Combinatorics, Probability, Graph Theory, Matrices, and Linear Programming), three workshops (Problem Solving, Methods of Proof, Solving Special Problems) and camp activities like group dynamics, outdoor mathematics, mathematics and dancing, tutorials and Talent Night.

Designated as a Center of Excellence in mathematics education, the Institute is mandated to spearhead the advancement of mathematics and its teaching in the region. The continued re-tooling and training of teachers in the tertiary level is a paramount concern of the government's manpower resource development program. It is also necessary to develop networks and linkages among tertiary schools and colleges in the region in order to address common problems and issues related to mathematics and its teaching. The summer school and camp is an initial attempt towards attaining this goal for the region.

Schedule of Activities

Date	Time	Activities	Venue
DAY 1 May 24, 2010 Monday	8 – 10 AM	Registration and Morning Snacks	SEARCHA
	10- 11:30 AM	Opening Ceremonies	
	12 – 1 PM	Lunch	
	1 – 3 PM	Popular Lecture 1 <i>Growth and Development of Mathematics</i> (Audio-Visual Presentation)	
		Snacks	
	3 – 5 PM	Popular Lecture 2 <i>The Mathematical Landscape</i>	
	5 – 7 PM	Popular Lecture 3 <i>Algebra</i>	
	7 – 8 PM	Dinner	
8-10 PM	Group Dynamics <i>Getting to Know You</i>	UPLB Freedom Park	
DAY 2 May 25, 2010 Tuesday	8 – 10 AM	Popular Lecture 4 <i>Geometry</i>	SEARCHA
		Snacks	
	10 – 12 NN	Popular Lecture 5 <i>Analysis</i>	
	12 – 1 PM	Lunch	
	1 – 4 PM	Short Course 1 <i>Combinatorics</i>	Physical Science Lecture Hall B
Snacks			

	4– 7 PM	Short Course 2 <i>Probability</i>	
	7- 8 PM	Dinner and Socials	
DAY 3 May 26, 2010 Wednesday	7 – 9 AM	Tutorial 1 <i>Combinatorics and Probability</i>	Mathematics Building
		Snacks	
	9 -12 AM	Workshop 1 <i>Problem Solving</i>	
	12 – 1 PM	Lunch	
	1 – 4 PM	Short Course 3 <i>Graph Theory</i>	Mathematics Building
		Snacks	
	4 – 5 PM	Tutorial 2	
	5 - 7 PM	Break	
	7 – 10 PM	Dinner and Talents Night	SEARCA Rooftop Garden
DAY 4 May 27, 2010 Thursday	9 – 12 AM	Workshop 2 <i>Methods of Proof</i>	Mathematics Building
	12 – 1 PM	Lunch	
	1 – 4 PM	Short Course 4 <i>Matrices</i>	
		Snacks	
	4-7 PM	Short Course 5 <i>Linear Programming</i>	
	7-8 PM	Dinner	
	8 – 10 PM	Mathematics and Dance	Baker Hall
DAY 5 May 28, 2010 Friday	8 – 12 AM	Outdoor Mathematics	Jamboree
	12 – 1 PM	Lunch	
	1 – 3 PM	Tutorial 3	
		Snacks	
	3 – 6 PM	Workshop 3 <i>Solving Special Problems</i>	
	6 – 7 PM	Dinner	
	7 – 9 PM	Social Activities	
Day 6 May 29, 2010 Saturday	8 – 10 AM	Organizational Meeting	SEARCA
		Snacks	
	10 – 12 NN	Closing Ceremonies	
	12 – 1 PM	Farewell Lunch/Home Sweet Home	

Assignments

5 Popular Lectures (2 hours each)

PL1. Growth and Development of Mathematics
(a video presentation)
PL2. The Mathematical Landscape
PL3. Algebra
PL4. Geometry
PL5. Analysis

Lecturers

Prof. Alleli C. Domingo
Prof. Lynie B. Dimasuay
Dr. Ma. Cristeta N. Cuaresma
Dr. Jean O. Loyola
Dr. Virgilio P. Sison
Prof. Editha C. Jose

5 Short Courses on Discrete Mathematics (3 hours each)

SC1. Principles of Combinatorics
SC2. Probability
SC3. Graph Theory
SC4. Matrices
SC5. Linear Programming

Lecturers

Prof. Ariel L. Babierra
Dr. Crisanto A. Dorado
Dr. Rolando E. Ramos
Prof. Vernel M. Lawas
Prof. Sharon P. Lubag

3 Workshops

WS1. Problem Solving
WS2. Methods of Proofs
WS3. Solving Special Problems

Facilitators

Dr. Bernarda M. Elec
Prof. Ariel L. Babierra
Prof. Velimor D. Almonte

Camp Activities

Group Dynamics

Mr. John Mark Lampos
Ms. Marjo Anne B. Acob

Outdoor Mathematics
(includes lecture and practical activities)

Prof. Jerrold M. Tubay
Mr. Mark Jayson D. Cortez

Mathematics in Dance

Prof. Alleli C. Domingo

Talent Night

Mr. Herbert S. Palines
Mr. Eduardo O. Jatulan

Tutors and Workshop Assistants

(in 5 groups with 20 participants per group)

Matrices and Linear Programming and WS1

Mr. Baltazar P. Villacrusis
Mr. Allen L. Nazareno
Mr. Mark Lexter D. de Lara
Mr. Rey Bryan M. Cubero
Mr. Jomar F. Rabajante

Graph Theory and WS2

Ms. Jane D. Palacio
Ms. Sheila S. Demegillo
Mr. Lauro L. Fontanil
Mr. Neil Jerome A. Egarguin
Mr. Anthony L. Cueno

Probability and Combinatorics and WS3

Ms. Analyn Esteban
Mr. Jeric S. Alcala
Mr. Ryan James G. Beltran
Mr. Charles R. Repizo
Mr. Joelino C. Lapitan

Interested parties may please accomplish the confirmation slip below. You can send this confirmation slip through snail mail, fax, or as an e-mail attachment to the following:

VIRGILIO P. SISON
Director
Institute of Mathematical Sciences and Physics
U.P. Los Baños, College, Laguna 4031
Telefax: (049) 536-6610
Emails: imsp@uplb.edu.ph and mathdivision@uplb.edu.ph

More details are included in the attached brochure. Updates on this activity and the terms of payment will be posted in the Institute's official site: www.imsp.uplb.edu.ph.

CONFIRMATION SLIP

Yes, I will participate in the 2010 CHED-UPLB Summer School and Camp in Mathematics to be held on May 24-29, 2010 at U.P. Los Baños, College, Laguna.

Signature over Printed Name: _____

Email Address: _____

Contact Number (preferably mobile no.): _____

Name of School: _____

Mailing Address: _____

Please check if interested: I wish to receive information on accommodations inside/nearby the campus.
