



Republic of the Philippines  
**Department of Education**  
NATIONAL CAPITAL REGION  
SCHOOLS DIVISION OFFICE OF MUNTINLUPA CITY

FEB 07 2025

Advisory No. 008 s. 2025  
February 7, 2025

In compliance with DepEd Order (DO) No. 8, S. 2013  
This advisory is issued for the information of DepEd officials,  
personnel/staff, as well as the concerned public.

**MATHTEX 2025: TRAINING ON BASIC PROBABILITY**

Attached is a letter from Edd Francis O. Felix, Assistant Professor and Head of MATHTEX 2025 Institute of Mathematical Sciences, UP Los Baños, dated February 3, 2025, on the above-captioned title, the contents of which are self-explanatory, for the information and guidance of all concerned.

Participation of learners and teachers from public schools shall be purely voluntary and will not hamper instructional time in compliance with the provisions of DepEd Order (DO) No. 34, s. 2022 titled School Calendar and Activities for the School Year 2022-2023 and DO 9, s. 2005 titled Instituting Measures to Increase Engaged Time-on-Task and Ensuring Compliance Therewith and the policy off-campus activities stated in DO 66, s. 2017.

Moreover, schools are reminded of the "No Collection and No Selling of Tickets Policy" stipulated in DepEd Order Nos. 19 and 40, s. 2008 and RA Nos. 4206 and 5546.

LGQ / MATHTEX 2025: TRAINING ON BASIC PROBABILITY  
008 / February 7, 2025

AD-2025-008



Student Center for Life Skills Bldg., Centennial Ave, Brgy Tunasan,  
Muntinlupa City  
(02) 8829-2308, (02) 8478-2846  
sdo.muntinlupa@gmail.com



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SDO Muntinlupa <sdo.muntinlupa@gmail.com>

# MATHTEX 2025 Teacher Training on Basic Probability Invitation to Muntinlupa City DepEd Division Office

1 message

mathtex.uplbmath@gmail.com <mathtex.uplbmath@gmail.com>

Mon, Feb 3, 2025 at 3:52 PM

To: sdo.muntinlupa@gmail.com

**VIOLETA M. GONZALES**

(OIC) Superintendent, Division Office of Muntinlupa City  
Department of Education  
NCR, Philippines

Dear (OIC) Superintendent VIOLETA M. GONZALES,

I hope this email finds you well.

I am writing on behalf of the Institute of Mathematical Sciences to extend an invitation to you and the schools under your jurisdiction to attend the **MATHTEX 2025: Teacher Training on Basic Probability**. The details of the training such as the **rationale, objectives, schedule of activities, and registration procedure** for the event are attached to this email.

Although we are well aware that DepEd offices are prohibited from endorsing events, we would appreciate you sharing this invitation with the schools and educators within your division.

The event will be held from **April 24-26, 2025**, and will be facilitated and attended **online**, we are excited to offer this training to high school mathematics teachers in your province. This training is aimed at enhancing their understanding and teaching methods in Basic Probability, a crucial area of mathematics education that helps in developing students' analytical and critical thinking skills in counting techniques, probability, and random variables and distributions.

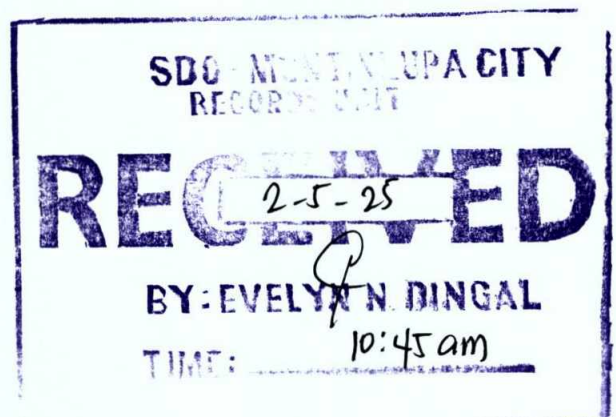
Thank you for considering this invitation. We look forward to the opportunity to work with the educators in your province to further their professional development in mathematics.

Sincerely,

**EDD FRANCIS O. FELIX**

Assistant Professor and Head of MATHTEX 2025  
Institute of Mathematical Sciences  
University of the Philippines Los Baños

 **MATHTEX 2025 Program and Registration.pdf**  
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**MATHTEX 2025: Training on  
Basic Probability  
April 24-26, 2025  
Institute of Mathematical Sciences  
University of the Philippines Los Baños**

**Description:** MATHTEX 2025 is a three-day intensive training on Basic Probability covering counting techniques, basic probability, and random variables and probability distributions. Esteemed mathematics professors will deliver lectures from the Institute of Mathematical Sciences (IMS), University of the Philippines Los Baños (UPLB). Each lecture will be followed by breakout sessions where the participants will be given time to apply what they learned by answering exercises under the supervision of equally knowledgeable facilitators.

**Rationale:** The Mathematics Teachers Exchanges (MATHTEX) has been a project of the Institute of Mathematical Sciences of UPLB (formerly known as the Institute of Mathematical Sciences and Physics) since 2012. This project aims to address essential needs within high school mathematics education by focusing on its three core objectives. Firstly, it seeks to enhance the teaching skills of teachers, as this is pivotal in fostering a more engaging and effective learning environment for students. Secondly, the project aims to establish a collaborative platform for high school teachers to share their best practices in teaching mathematics. Lastly, MATHTEX focuses on advancing the mastery of mathematical concepts among high school teachers.

This year, MATHTEX focuses on counting techniques, basic probability, and random variables and probability distributions. These topics are often regarded as challenging, not only for students to grasp, but also for teachers to convey effectively. Mastery of counting techniques and probability helps teachers develop logical reasoning and problem-solving skills, which they can impart to students. This training program will also aid the participants with innovative and interactive teaching approaches, including practical illustrations, games, or visual aids, making abstract concepts more understandable and interesting for students. As counting techniques and probability are foundational to various fields such as data science, finance, and engineering, effective teaching equips students with skills relevant to future academic endeavors and career paths.

MATHTEX 2025 aligns seamlessly with the newly implemented MATATAG curriculum by the Department of Education for the S.Y. 2024-2025. This curriculum introduces Grade 7 students to data collection from experiments and the description of outcomes using words and symbols. In the following grade levels, fundamental counting techniques, the probability of events, and random variables will be discussed. MATHTEX 2025 will be invaluable for high school teachers as they prepare to teach these topics in the upcoming years.

**Target Participants:** High School Teachers and College Education Students

**Objectives:** At the end of MATHTEX 2025, the participants are expected to apply content knowledge and pedagogy on fundamental concepts in Probability such as:

- (1) counting techniques;
- (2) basic probability; and
- (3) random variables and probability distributions.



**MATHTEX 2025: Training on  
Basic Probability  
April 24-26, 2025  
Institute of Mathematical Sciences  
University of the Philippines Los Baños**

**SCHEDULE OF ACTIVITIES**

DATE	TIME	ACTIVITIES
<b>DAY 1</b> April 24, 2025 Thursday	7:00 – 8:00	Registration
	8:00 – 8:30	Opening Program
	8:30 – 9:00	Pre-Test
	9:00 – 10:00	<b>Popular Talk</b> <i>Speaker: Lester Charles A. Umali, PhD</i>
	10:00 – 10:15	Break
	10:15 – 12:00	<b>Lecture 1: Counting Techniques</b> Mastering the Art of Counting: Principles and Strategies <i>Speaker: Ben Paul B. Dela Cruz, MSc</i>
	12:00 – 1:00	Lunch Break
	1:00 – 2:15	<b>Lecture 1: Counting Techniques</b> Mastering the Art of Counting: Principles and Strategies <i>Speaker: Ben Paul B. Dela Cruz, MSc</i>
	2:15 – 2:30	Break
	2:30 – 5:00	<b>Break-out Session 1</b>
<b>DAY 2</b> April 25, 2025 Friday	8:00 – 8:30	<b>Recap and Energizer</b>
	8:30 – 10:00	<b>Lecture 2: Basic Probability</b> From Coin Tosses to Real-world Events: Understanding Probability <i>Speaker: Diane Carmeliza N. Cuaresma, DSc</i>
	10:00 – 10:15	Break
	10:15 - 11:45	<b>Lecture 2: Basic Probability</b> From Coin Tosses to Real-world Events: Understanding Probability <i>Speaker: Diane Carmeliza N. Cuaresma, DSc</i>
	11:45 – 1:00	Lunch Break
	1:00 – 4:00	<b>Break-out Session 2</b>
<b>DAY 3</b> April 26, 2025 Saturday	4:00 – 5:00	<b>Sponsors' Presentations</b>
	8:00 – 8:30	<b>Recap and Energizer</b>
	8:30 – 10:00	<b>Lecture 3: Random Variables and Probability Distributions</b> Exploring Randomness: Random Variables and Probability Distributions <i>Speaker: Jonathan B. Mamplata, MSc</i>
	10:00 – 10:15	Break
	10:15 – 11:45	<b>Lecture 3: Random Variables and Probability Distributions</b> Exploring Randomness: Random Variables and Probability Distributions <i>Speaker: Jonathan B. Mamplata, MSc</i>
	11:45 – 1:00	Lunch Break
	1:00 – 4:00	<b>Break-out Session 3</b>
	4:00 – 4:30	Post-Test and Evaluation
	4:30 – 5:00	Closing Program



**MATHTEX 2025: Training on  
Basic Probability  
April 24-26, 2025  
Institute of Mathematical Sciences  
University of the Philippines Los Baños**

**Details of the Speakers**



**Diane Carmeliza N. Cuaresma, PhD**  
Associate Professor  
*Specialization: Evolutionary Game Theory*



**Jonathan B. Mamplata, MSc**  
Assistant Professor  
*Specialization: Mathematical Finance*



**Ben Paul B. Dela Cruz, MSc**  
Assistant Professor  
*Specialization: Data Science and Analytics*



**Lester Charles A. Umali, PhD**  
Assistant Professor  
*Specialization: Probability and Risk Theory*

**Registration Procedure**

To formally secure your spot in the Training Program on Basic Probability, please complete your registration through the following Google Form: <https://tinyurl.com/MATHTEX2025reg>

**Important Registration Information:**

- **Registration Fee:** To make this valuable training opportunity accessible to all, the registration fee for teachers is PHP 1,000 while for BSEd (Math/Stat Majors) is PhP 750.
- **Payment Instructions:** Kindly pay your registration fee through the following bank account:
  - **Bank:** Bank of the Philippine Islands (Account of MSP CALABARZON)
  - **Account Name:** Mathematical Society of the Phils. Calabarzon Chapter
  - **Account Number:** 0913-2792-04
- **Proof of Payment:** Please retain a screenshot or scanned copy of your deposit slip or transaction confirmation. You must upload this as proof of payment during online registration.

**What Your Registration Fee Covers:**

Your registration fee contributes towards a comprehensive training experience, including:

- **Professional Development Kit:** You will receive softcopies of valuable resources and materials to enhance your learning.
- **Training-Related Expenses:** Your contribution supports the overall logistics and smooth operation of the program.