

Republic of the Philippines  
**Department of Education**  
CORDILLERA ADMINISTRATIVE REGION

September 7, 2021

**REGIONAL MEMORANDUM**  
No. 395-2021

**PARTICIPATION TO THE 33<sup>rd</sup> NATIONAL INVITATIONAL  
MATHEMATICAL CHALLENGE (MATHEMATCH)**

To: OIC-Assistant Regional Director  
Schools Division Superintendents  
All Others Concerned  
All Divisions

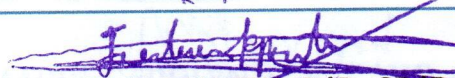
1. The University of the Philippines Los Baños (UPLB) Mathematical Sciences Society (MASS) will be holding its **33<sup>rd</sup> Mathematical Sciences Week** with the theme **“Good Game, Well Played: Exploring the Mathematical Principles Behind Basic Game Design and Implementation”** on October 16 – 23, 2021. To celebrate the said event, the Society will again host the Southern Tagalog Invitational Mathematical Challenge (MATHEMATCH) which is open to all junior and senior high school students nationwide.



2. Relative to this, all junior and senior high school students from private and public schools are encouraged to participate in the competition. There is **No Registration Fee** for this competition. Interested participants should register online to secure their slots for the competition. The registration period shall start on September 13, 2021 at 10:00 AM and will end on October 1, 2021 at 11:59 PM. For the complete details about the organization and event, please see **Enclosure 1**.

3. For inquiries, please contact the UPLB MASS secretariat through the following CP Nos: 0995-453-8543, 0948-411-9882, and 0906-348-8088 or email addresses: [admin@uplbmass.org](mailto:admin@uplbmass.org), and [eddumago1@up.edu.ph](mailto:eddumago1@up.edu.ph).

4. Immediate dissemination of and strict compliance with this Memorandum is directed.

To: All School Administrators, Principals & Teachers In-Charge  
(Elementary & Secondary)  
**FOR YOUR INFORMATION & APPROPRIATE ACTION**

  
**FEDERICO P. MARTIN, EdD, CeD, CESO V**  
Schools Division Superintendent

  
**ESTELA LEON-CARIÑO EdD, CESO III**  
Director IV/Regional Director 

CLMD/RCA/bah



Address: Wangal, La Trinidad, Benguet, 2601  
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ISO 9001:2015 Certified  
Quality Management System  
DE-50500784 QM15



# UNIVERSITY OF THE PHILIPPINES LOS BAÑOS MATHEMATICAL SCIENCES SOCIETY

2F Francisco O. Santos Hall, University of the Philippines Los Baños, College, Laguna 4031

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@uplbmass1973

## ORGANIZATIONAL BACKGROUND

The UPLB Mathematical Sciences Society, established in 1973, has been one of the duly recognized academic organizations in the University of the Philippines Los Baños. It is comprised of BS Applied Mathematics, BS Computer Science, BS Mathematics, BS Mathematics and Science Teaching Major in Math, and BS Statistics students who are committed to upholding the goal of the society: to contribute to the development of the Filipino nation by cultivating deeper appreciation and wider application of mathematical sciences, by fostering academic excellence towards social relevance, and by being involved with the rest of the university constituency and Filipino masses.

## CONTACT INFORMATION

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**E-mail Address:** admin@uplbmass.org  
eddumago1@up.edu.ph

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(Vice President for Scholastics Division)

+63 948 411 9882 Marie Antoniette F. Tibo-oc  
(Scholastics Division Secretary)

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(President)

## EVENT INFORMATION

**Event Name:** 33rd Mathematical Sciences Week

**Date:** October 16, 2021 - October 23, 2021

## SCHEDULE OF ACTIVITIES

DATE	EVENT
October 16, 2021 (Saturday) 1:00PM - 4:00PM	33 <sup>rd</sup> National Invitational Mathematical Challenge (MATHEMATCH) Elimination Round
October 17, 2021 (Sunday) 1:00PM - 4:00PM	Webinar
October 18, 2021 (Monday) 10:00AM	Posting of Puzzle of the Day Posting of Puzzle of the Week



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1:00PM	Posting of Infographics Making Competition Entries
8:00PM	Announcement of Puzzle of the Day Winners
October 19, 2021 (Tuesday) 10:00AM	Posting of Puzzle of the Day
1:00PM	Posting of Online Art Competition Entries
8:00PM	Announcement of Puzzle of the Day Winners
October 20, 2021 (Wednesday) 10:00AM	Posting of Puzzle of the Day
1:00PM	Announcement of MATHEMATCH Finalists
8:00PM	Announcement of Puzzle of the Day Winners
October 21, 2021 (Thursday) 10:00AM	Posting of Puzzle of the Day
8:00PM	Announcement of Puzzle of the Day Winners
October 22, 2021 (Friday) 10:00AM	Posting of Puzzle of the Day
8:00PM	Announcement of Puzzle of the Day and Puzzle of the Week Winners
October 23, 2021 (Saturday) 1:00PM - 5:00PM	33rd National Invitational Mathematical Challenge (MATHEMATCH) Final Round
7:00PM	Announcement of Contest Winners



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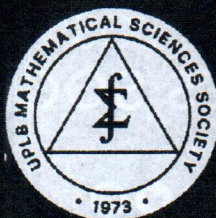
2. The **preliminary round** will be conducted *via Zoom* on **October 16, 2021**. This will be in the form of a synchronous individual exam.
3. The **Top Fifteen (15) contestants** who will garner the highest scores in the preliminary round will advance to the **final round**. Finalists will be contacted through email on or before **October 20, 2021**. The names of the finalists will also be published on the official Facebook page of MATHEMATCH and UPLB MASS.
4. The Final Round is scheduled on **October 23, 2021 via Zoom**. It will also be available for screening *via Facebook Live* on the organization's official Facebook page.
5. The **Top 3 contestants** who will garner the highest points will be declared the winners of the competition.
6. The UPLB Mathematical Sciences Society reserves the right to disqualify any participant who will not follow the contest guidelines. The organization also reserves the right to change and amend the competition rules given that there is enough time to disseminate the information.

## B. PRELIMINARY ROUND MECHANICS

1. The preliminary round will be in the form of a closed-door, individual, synchronous, written exam which will be held *via Zoom* on October 16, 2021 from 1:00 PM to 4:00 PM.
2. The exam will be composed of short-answer questions only. Answers will be submitted through *Google Forms*.
3. The Top 15 contestants garnering the highest scores will advance to the final round.

## C. FINAL ROUND MECHANICS

1. The final round will be a live quiz contest which will be held *via Zoom* on October 23, 2021 1:00 PM onwards. To maintain order in the competition proper, only the participants, judges, and UPLB MASS members will be allowed to enter the Zoom. Other interested viewers may watch the competition *via Facebook Live* on the organization's official Facebook Page.
2. The final round will be divided into 3 rounds - Easy, Average, and Difficult.
  - a. Easy Round
    - Ten (10) questions will be asked.
    - Each contestant will be given thirty (30) seconds to answer each question.
    - A correct answer garners 5 points. Wrong answers and no answers will garner no points.
  - b. Average Round
    - Seven (7) questions will be asked.
    - Each contestant will be given sixty (60) seconds to answer each question.
    - A correct answer garners 7 points. Wrong answers will result in a deduction of 3 points. No answers will garner no points.
  - c. Difficult Round
    - Five (5) questions will be asked.



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- Each contestant will be given ninety (90) seconds to answer each question.
- A correct answer garners 10 points. Wrong answers will result in a deduction of 5 points. No answers will result in a deduction of 3 points.

3. The accumulated points from the Easy, Average, and Difficult Rounds shall determine the winners for this competition.

## VI. WINNERS AND PRIZES

- Participants will receive e-certificates for their participation.
- The individual top scorer of the preliminary round will receive a certificate of recognition and PhP 1000 cash.
- The Top 15 finalists will each receive an e-certificate of recognition and PhP 300 cash.
- The final round winners will receive e-certificates of recognition and the corresponding cash prizes:

Place	Prize
1st Place	PhP 10,000 cash
2nd Place	PhP 7,000 cash
3rd Place	PhP 5,000 cash

- The winners of this competition will be announced *via* Facebook Live on the UPLB MASS' Official Facebook Page on October 23, 2021. A separate post for the winners of this competition will also be published on the said page(s).

## 2) WEBINAR

The UPLB Mathematical Sciences Society conducts a seminar as part of the Mathematical Sciences Week celebration to promote deeper understanding and wider application of concepts related to the theme of the event.

- This webinar is open to all interested individuals nationwide.
- There is no entry or registration fee for this event.
- Interested participants should pre-register through the provided *Google Form link*. The details of the Zoom meeting will be sent through the information they have provided in the pre-registration form. The pre-registration period shall begin on **October 4, 2021 10:00 AM** and will end on **October 15, 2021 11:59PM**.



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- F. The winners of this competition will be announced *via* Facebook Live at the UPLB MASS' Official Facebook Page on October 23, 2021. A separate post containing the winning entries will also be published on the said page.

## 4) INFOGRAPHICS MAKING COMPETITION

### I. ELIGIBILITY

- This Infographics Making Competition is open to all junior high and senior high school students nationwide.
- There is no entry or registration fee for this competition.
- Participation in this competition means adhering to the contest guidelines set by the UPLB Mathematical Sciences Society.

### II. REGISTRATION REQUIREMENTS AND DEADLINES

- Interested participants should register through the provided *Google Form link* to secure their slots for this competition. The registration period shall start on **September 15, 2021 10:00 AM** and will end on **September 28, 2021 11:59 PM**. Only a maximum of **30 participants** will be accommodated, following a first come, first served basis. A registration confirmation will be sent via email.
- Upon registration, participants shall submit a copy of their *School ID* and *Proof of Enrollment* for A.Y. 2021-2022.
- All entries must be submitted on or before the deadline: **October 1, 2021 11:59 PM** through the provided *Google Form link*. Entries submitted after the deadline may be disqualified.
- All entries will be posted in the official Facebook Page of UPLB MASS (facebook.com/uplbmass1973) during the organization's celebration of the 33rd Mathematical Sciences Week.
- The UPLB Mathematical Sciences Society reserves the right to extend the submission deadline. In case of such adjustments, registered participants will be notified *via* email.

### III. DESIGN SPECIFICATIONS

- Participants must create an infographic that explains any concept or idea related to this year's Mathematical Sciences Week theme - **"Good Game, Well Played: Exploring the Mathematical Principles Behind Basic Game Design and Implementation"**. The infographic must only contain factual information, properly referenced in **APA format**. Moreover, the infographic should NOT contain foul, offensive, or controversial content.
- Only one entry may be submitted per participant.
- The entries must be written/composed in English.
- The dimensions of the infographic must be **11 x 17 inches** in size and in **portrait orientation**. It must be submitted in **JPEG format** which **shall not exceed 20 MB** in size.



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## IV. WINNERS AND PRIZES

- A. Participants will receive e-certificates for their participation.
- B. There will be three winners for this competition. The 1st Place, 2nd Place, and 3rd Place Winners shall be chosen based on the following criteria:

Accuracy of Information	30%
Conciseness	20%
Creativity	20%
Relevance to the Theme	20%
Spelling and Grammar	10%
<b>TOTAL</b>	<b>100%</b>

- C. The judges' decision is final and irrevocable.
- D. Winners will receive e-certificates of recognition and the corresponding cash prizes:

Place	Prize
1st Place	PhP 3,000 cash
2nd Place	PhP 2,000 cash
3rd Place	PhP 1,000 cash

- E. The winners of this competition will be announced *via* Facebook Live at the UPLB MASS' Official Facebook Page on October 23, 2021. A separate post containing the winning entries will also be published on the said page.