



UNIVERSITY OF THE PHILIPPINES LOS BAÑOS MATHEMATICAL SCIENCES SOCIETY

2ND FLOOR, FRANCISCO O. SANTOS HALL, UNIVERSITY OF THE PHILIPPINES LOS BAÑOS, COLLEGE, LAGUNA 4031

+639353306907

execsec@uplbmass.org

facebook.com/uplbmass1973

To: SDSs

EXECUTIVE COMMITTEE A.Y. 2016-2017

Joshua A. Apilado
PRESIDENT

Kristine Ivy O. Banawa
VICE PRESIDENT FOR SCHOLASTIC DIVISION

John Patrick A. De Torres
VICE PRESIDENT FOR WELFARE DIVISION

Jhon Menard P. Monzor
EXECUTIVE SECRETARY

Patricia Anne V. Quilitis
TREASURER

Jimuel A. Aquino
BUSINESS MANAGER

Thisbe Joyce J. Elizaga
PUBLIC RELATIONS OFFICER

Gracielle Lynne P. Trinidad
SCHOLASTIC SECRETARY

Tyrone L. Pullan
WELFARE SECRETARY

Emil Aaron S. Burayag
COMPUTER SCIENCE COMMITTEE CHAIRPERSON

Jenine P. Loja
MATHEMATICS COMMITTEE CHAIRPERSON

Paula Luz T. Manalo
STATISTICS COMMITTEE CHAIRPERSON

Rhey Mark John Q. Casero
INTEGRAL COMMITTEE CHAIRPERSON

Rogina Mae O. Espiga
MEMBERSHIP COMMITTEE CHAIRPERSON

Dick D.T. Castilla
SOCIO-CULTURAL COMMITTEE CHAIRPERSON

ADVISORY BOARD

Dr. Jean O. Loyola
SENIOR ADVISER

Ms. Diane Carmeliza N. Curesma
JUNIOR ADVISER

Mr. Mark Jayson V. Cortez
MATHEMATICS ADVISER

Mr. Juan Miguel J. Bawagan
COMPUTER SCIENCE ADVISER

Ms. Maria Salve C. Vasquez
STATISTICS ADVISER

July 20, 2016

Dr. DIOSDADO M. SAN ANTONIO
Regional Director, Region IV-A
Department of Education

RE: Endorsement for 29th Southern Tagalog Invitational Mathematical Challenge to
Secondary Schools in Region IV-A

Dear Dr. San Antonio:

Peace be with you!

We are the **UPLB Mathematical Sciences Society (UPLB MASS)**, a duly recognized academic organization in the University of the Philippines Los Baños (UPLB) and a registered youth-serving organization (School-based) by the National Youth Commission (NYC). For 43 years, we have been committed in fulfilling our aspiration of promoting deeper appreciation and wider application of mathematical sciences through involvement with our university constituents and the Filipino masses.

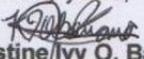
In line with this objective, we will be holding the **28th Mathematical Sciences Week** on **October 17 to 21, 2016**. During this week, we will be conducting the following activities:

- 29th Southern Tagalog Invitational Mathematical Challenge (MATHEMATCH)
 - A quiz contest for the secondary school students from Region IV.
- Exhibits and Demonstrations
 - A week-long free exhibit, which includes mind-twisting puzzles to showcase the chosen theme's concepts and applications.
- Poster Making Contest
 - A contest that may be joined by students from all participating schools in MATHEMATCH, where they can express their creativity in the concepts underlying the year's theme.
- Teachers' Seminar
 - A seminar for the teachers and coaches of the participating schools in MATHEMATCH.
- 43rd Annual Search for the UPLB Math Wizard
 - A math contest for UPLB students.

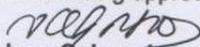
In this regard, we would like to request your good office for endorsement of our MATHEMATCH to the secondary schools in Region IV-A. Annually, we have been gathering around 50 schools to participate in this activity. This year, we would like to reach into more schools and we believe that with your help, our goal would be realized. For your perusal, attached is a more detailed description of the activity and the mechanics of the contest.

We are hoping for your positive response. Thank you very much!

Sincerely yours,


Kristine Ivy O. Banawa
Vice President for Scholastics Division

Recommending approval:


Dr. Jean O. Loyola
Senior Adviser

For your appropriate action, please.

Thanks. God Bless!

22 July 2016



UNIVERSITY OF THE PHILIPPINES LOS BAÑOS MATHEMATICAL SCIENCES SOCIETY

2ND FLOOR, FRANCISCO O. SANTOS HALL, UNIVERSITY OF THE PHILIPPINES LOS BAÑOS, COLLEGE, LAGUNA 4031

+639353306907

execsec@uplbmass.org

[facebook.com/uplbmass1973](https://www.facebook.com/uplbmass1973)

ORGANIZATIONAL BACKGROUND

UPLB Mathematical Sciences Society was established in 1973 and has been one of the duly recognized academic organizations in the University of the Philippines Los Baños since then. It comprises of BS Applied Mathematics, BS Computer Science, BS Mathematics, BS Mathematics and Science Teaching Major in Math, and BS Statistics students that commit to uphold the goal of the society of contributing 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 becoming involved with the rest of the university constituency and with the Filipino masses. Through its 43 years of existence, the organization continues to inspire and show others the beauty of mathematics through old and new activities.

CONTACT INFORMATION

Address: 2nd Floor, Francisco O. Santos Hall, University of the Philippines Los Baños, College, Laguna
Zip Code: 4031

Mobile Number: (+63) 950 173 1581 – Kristine Ivy Banawa
(+63) 916 103 9139 – Joshua Aquino Apilado
(+63) 935 330 6907 – Jhon Menard Monzor

Email Address: execsec@uplbmass.org
vpscho@uplbmass.org

Facebook pages: <http://www.facebook.com/MATHEMATCH>
<http://www.facebook.com/uplbmass1973>

28TH MATHEMATICAL SCIENCES WEEK

I. Schedule of Activities

October 17, 2016 (Monday)

7:00-9:00am Registration
9:00-11:00am MATHEMATCH Preliminary Round
Poster Making Contest
Teachers' Seminar
1:00-5:00pm MATHEMATCH Final Round

October 18, 2016 (Tuesday)

10:00 am Opening of Exhibit

October 19, 2016 (Wednesday)

7:00-9:00pm Math Wizard Elimination Round

October 20, 2016 (Thursday)

7:00-9:00pm Math Wizard Final Round



UNIVERSITY OF THE PHILIPPINES LOS BAÑOS MATHEMATICAL SCIENCES SOCIETY

2ND FLOOR, FRANCISCO O. SANTOS HALL, UNIVERSITY OF THE PHILIPPINES LOS BAÑOS, COLLEGE, LAGUNA 4031

+639353306907

execsec@uplbmass.org

facebook.com/uplbmass1973

II. 29th Southern Tagalog Invitational Mathematical Challenge

Students from any secondary school (private or public) within the Southern Tagalog Region (REGION IV - A and REGION IV – B) are qualified to join the contest. Each school must be represented by at most two teams, each consisting of three students from Grades 9 and 10, with at least one Grade 9 student in each competing team. The well-screened questions will cover topics in Logic, Arithmetic, Algebra, Geometry, Trigonometry, Calculus, and Statistics. The said questions are verified by UPLB Mathematics Professors. There will be a closed-door preliminary examination where the participants will be given an individual exam. The accumulated scores of the three individual contestants will be considered as the team's score and will serve as the basis for the qualification in the final round. The top fifteen (15) teams based on their team scores qualify for the final round. The final round will start at **1:00PM and will be open for public viewing**. Whoever gets the highest score among the fifteen (15) finalists shall be declared as the best school in the fields of Mathematics.

General Mechanics:

- ❖ Contestants will be allowed to solve the question only after the quizmaster says, "Time starts now." If a team violates this rule, warning flags will be raised and a first warning will be given. For the second and subsequent violations incurred during a particular round, warning flags will be raised again and the team will be disqualified to answer that particular question. The number of violations of every team will be reset after every round.
- ❖ Clarifications from the contestants will be acknowledged only after the correct answer for that question has been given by the quizmaster. The proctor shall raise his hand and the contestant may address the judges with the question. The judges' decision is final and irrevocable.
- ❖ In case of ties after the three rounds, tiebreaker questions will be asked until one of the teams makes a point over the other.

Round Mechanics

- Preliminary Round
 - ❖ A closed-door preliminary written examination will be given from **9 AM to 11AM** on October 17.
 - ❖ The exam shall be taken individually. The accumulated scores of the three contestants will be the basis for the qualification in the final round.
- Final Round
 - ❖ Easy Round
 - Ten (**10**) questions will be asked.
 - Each team will be given thirty (**30**) seconds to answer each question.
 - A correct answer gains **5 points**. Both wrong and no answer will get **no deduction**.
 - ❖ Average Round
 - Seven (**7**) questions will be asked.



UNIVERSITY OF THE PHILIPPINES LOS BAÑOS MATHEMATICAL SCIENCES SOCIETY

2ND FLOOR, FRANCISCO O. SANTOS HALL, UNIVERSITY OF THE PHILIPPINES LOS BAÑOS, COLLEGE, LAGUNA 4031
+639353306907 execsec@uplbmass.org facebook.com/uplbmass1973

- Each team will be given sixty (**60**) seconds to answer each question.
- A correct answer gains **10 points**. A wrong answer gets a deduction of **5 points** and a no answer gets **no deduction**.

❖ Difficult Round

- Five (**5**) questions will be asked.
- Each contestant will be given ninety (**90**) seconds to answer each question. All teams will be designated a buzzer which they will press once they have finished answering.
- The first team to get the correct answer gets **25 points**, the second gets **20 points**, the third gets **15 points** and the rest gets **10 points** each. A wrong answer gets a deduction of **5 points** and no answer gets a deduction of **3 points**.

Scores in the Easy, Average and Difficult Round will be added to determine the winner.

The following prizes will be given:

- A. Each participating school will receive a certificate of participation in the said event.
- B. The highest scorer in the preliminary round will be given a medal and a certificate of recognition.
- C. Prizes for the top three (3) teams are as follows:

First Place:1 Trophy, 3 Gold Medals, Certificates of Recognition, and PhP 15,000 cash

Second Place:1 Trophy, 3 Silver Medals, Certificates of Recognition, and PhP 7,000 cash

Third Place:1 Trophy, 3 Bronze Medals, Certificates of Recognition, and PhP 5,000 cash

- D. Other participants included in the final round will each receive a medal.

III. Theme Exhibit

Annually, we zealously search the best mathematical topic to be elaborated. We conduct tremendous researches and discussions for us to have a very interesting theme. For us to showcase the theme's concepts and applications, we provide a week-long free exhibit. We also provide mind-twisting puzzles – Puzzle of the Week and Puzzle of the Day – to be answered by any non-member of our organization.

IV. Poster Making Contest

All participating schools in MATHEMATCH may also participate in the poster making contest. Contestants are to express their creativity in integrating the mathematical concepts that underlie in this year's theme. They can only create their piece in a 1/8 illustration board using oil pastel.

Criteria for Judging:

Entries will be judged using the following criteria:

Originality	15%
Style	15%
Content	30%



UNIVERSITY OF THE PHILIPPINES LOS BAÑOS MATHEMATICAL SCIENCES SOCIETY

2ND FLOOR, FRANCISCO O. SANTOS HALL, UNIVERSITY OF THE PHILIPPINES LOS BAÑOS, COLLEGE, LAGUNA 4031
+639353306907 execsec@uplbmass.org facebook.com/uplbmass1973

Announcement of Winners and Prizes

- A. Winners will be announced during the awarding ceremony of the winners of MATHEMATCH.
- B. The Grand Prize winner will receive a gold medal, a certificate of recognition, and cash prize.

V. Teachers' Seminar

We also conduct a Seminar for the teachers and coaches of the participating schools in the 29th Southern Tagalog Invitational Mathematical Challenge (MATHEMATCH). We select credible speakers who are professional in the field of Mathematics. A certificate of attendance will be given for those who participated in this activity.

VI. 43rd Annual Search for UPLB Math Wizard

Any bona fide UPLB student may join this prestigious event. The well-screened questions will cover topics in Algebra, Calculus, Geometry, Statistics, and Trigonometry. The said questions are verified by UPLB Mathematics Professors. There will be a closed-door Elimination Round. In this round, the participants will be given an individual exam. The top fifteen (15) scorers of the preliminary examination will qualify for the final round. Whoever gets the highest score among the fifteen (15) finalists shall be declared as the UPLB Math Wizard 2016.

The following prizes will be given:

1. Each participant will receive a certificate for his participation in the said event.
2. The highest scorer in the elimination round will be given a medal.
3. The 43rd UPLB Math Wizard will receive a trophy, a medal, a cool shirt and Cash Prize.
4. Other participants included in the final round will each receive a medal.