



Republic of the Philippines
Department of Education
REGION VIII - EASTERN VISAYAS

Advisory No. 151 s. 2024
December 6, 2024

In compliance with DepEd Order (DO) No. 8, s. 2013
This advisory is issued not for endorsement per DO 28, s. 2001,
but only for the information of DepEd officials,
personnel/staff, as well as the concerned public.
(Visit deped.in/region8.deped.gov.ph)

**PHILIPPINE NATIONAL CHEMISTRY OLYMPIAD (PNCO) OF THE PHILIPPINE
FEDERATION OF CHEMICAL SOCIETIES, INC. (PFCS)**

Attached is the letter from the PNCO Region VIII Coordinator, dated December 3, 2024, announcing the conduct of the PNCO on March 22, 2025, with the Elimination Round for Region VIII on February 8, 2025 at the Visayas State University, Baybay City Campus.

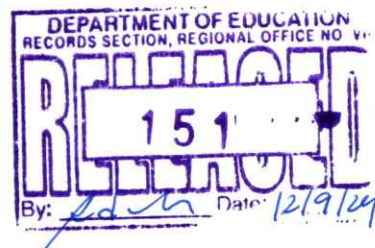
The target participants are the high school learners and teacher-coaches.

Participation of both public and private schools shall be subject to the *no-disruption-of-classes policy* stipulated in DepEd Order No. 9, s. 2005 titled *Instituting Measures to Increase Engaged Time-on-Task and Ensuring Compliance Therewith*.

See the attached letter for more information.

Considering that this is an Advisory, Schools Division Superintendents are given the discretion to act on this matter.

CLMD-RRT





VISAYAS
STATE UNIVERSITY



DEPARTMENT OF
**PURE & APPLIED
CHEMISTRY**

December 03, 2024

EVELYN R. FETALVERO, CESO III
Regional Director
Department of Education Region VIII
Candahug, Palo, Leyte



Dear Director Fetalvero,

Greetings of peace! The Philippine Federation of Chemical Societies Inc. (PFCS) will be hosting its 24th year of the **Philippine National Chemistry Olympiad (PNCO)**, with the first major preliminary event of the Olympiad at the local level being the Regional Eliminations. With this the PNCO aims to get representatives from every Region to compete in the National finals which will be held in April, after which the winners will form a delegation for the 57th **International Chemistry Olympiad (IChO)** that will take place in the United Arab Emirates from July 5 – 14, 2025.

With the help of the VSU Chemical Society, the Elimination Round for Region VIII is scheduled to be held face-to-face on **February 8, 2025 (Saturday)** here at the Visayas State University, Baybay Campus. I have included with this letter the general guidelines for the Regional Eliminations as well as contact information and important dates applicable to the conduct of the PNCO from the Nationals toward the IChO. I am reaching out to the Regional Office to request assistance in disseminating this information through the issuance of a memorandum informing schools within the region of the event as I believe that the experience will be beneficial to potential participants. Additional information will be provided to schools interested in participating in the Regional Eliminations.

Thank you so much for your time and your support in this endeavor.

Sincerely,

MARK RYAN R. TRIPOLE, RCh., MSc.
PNCO Region VIII Coordinator
Head, Department of Pure & Applied Chemistry
Visayas State University
Baybay City, Leyte



**24th Philippine National Chemistry Olympiad 2025 (24PNCO2025)
GUIDELINES and MECHANICS**

A. IMPORTANT DATES:

- A.1. Regional Chemistry Olympiad (RCO)2025: **15 February 2025 (Saturday)**
- A.2. Endorsement of Winners of the RCO 2025: **07 March 2025 (Friday)**
- A.3. 24th PNCO 2025 NATIONAL FINALS: **22 March 2025 (Saturday)** – 07:00 AM -06:00 PM, College of Arts and Sciences, University of the Philippines Manila
- A.4. Preparations for the 56th International Chemistry Olympiad: **May – June 2025**
- A.5. Training Sessions of Philippine Delegates: **June 2025, TBA**
- A.6. 57th International Chemistry Olympiad (IChO) 2025: **05 - 14 July 2025**, United Arab Emirates

B. QUALIFICATIONS

Participants must be Filipino citizens enrolled as high school students at the time of the 24th PNCO 2025 Regional and National competitions. (Note: To qualify for IChO – International Chemistry Olympiad, students must not be enrolled/ registered as college students during the duration of IChO).

C. CONTEST COVERAGE

Matter and its properties	Electronic Structure and Periodicity	Thermochemistry
Measurements	Chemical Bonding - Ionic Bonds	Chemical Kinetics
Atoms, Molecules, and Ions	Covalent Bonds	Chemical Thermodynamics
Stoichiometry	Organic compounds	Chemical Equilibrium
Gases	Intermolecular Forces and Liquids and Solids	Acid-Base Equilibria and Salt Equilibria
Electronic Structure of Atoms	Physical Properties of Solutions	Electrochemistry

Questions involving more advanced topics may also be included. These advanced topics may cover:

1. Solid state and coordination chemistry (e.g., crystal structures, crystal field theory, and isomerism of inorganic complexes)
2. Thermodynamics (e.g., gases, liquids, solids, temperature dependence of equilibrium constants, electromotive force, and Gibbs free energy)
3. Electrochemistry and electrochemical analysis (amperometry, voltammetry, conductometry, and potentiometry)
4. Kinetics (catalysis, the Arrhenius equation, and integrated rate laws)
5. Organic chemistry (stereoisomerism, simple stereocontrolled organic transformations, [4+2]-cycloaddition, and [3,3]-sigmatropic rearrangement)
6. Spectroscopy (correlation of simple organic structures with their ¹H-NMR, ¹³C-NMR, or IR data.)



PHILIPPINE NATIONAL CHEMISTRY OLYMPIAD

7. Analytical Chemistry (acid-base titrations, complexometric titrations, redox titrations, spectrophotometry, and Beer-Lambert's Law)

D. REGIONAL CHEMISTRY OLYMPIAD (RCO)

- D.1. The 24th PNCO 2025 Regional Olympiad will be held across the country on **15 February 2025 (Saturday)** to be hosted by their respective Regional Organizer/s. The Region may hold the Eliminations on a different date as long as they meet the deadline to endorse the winners of the RCO on or before **07 March 2025 (Friday)**.
- D.2. Regional organizers have the authority to set their own modality on how to conduct the Regional Eliminations as long as the guidelines are provided and communicated clearly to the participants.
- D.3. The regional organizers are expected to send out an invitation. Interested parties must feel free to inform the organizers of their intent to participate.
- D.4. A maximum of three (3) participants per school may register.
- D.5. A school may have a maximum of three (3) coaches (one coach per student).
- D.6. Regional organizers should endorse the winners (Champion, 1st Runner-up, 2nd Runner-up, 3rd Runner-up and 4th Runner-up) of the Regional Olympiad to the National Committee on or before **07 March 2025 (Friday)** with the following details:
- Date and Venue of Regional Eliminations, Modality
 - Number of student participants and number of participating schools
 - Name of Winners, School, Rank, email, contact number
 - Name of Coach, email, contact number

E. NATIONAL FINALS

E.1. Participation and Registration

- E.1.1. The top **FIVE (5)** winners (Champion, 1st Runner-up, 2nd Runner-up, 3rd Runner-up and 4th Runner-up) in the Regional Olympiad qualify to compete in the 24th PNCO 2025 National Finals on **22 March 2025 (Saturday)**.
- E.1.2. Those who have participated in a previous IChO and who remain eligible for the same are automatically qualified to join the National Finals without having to compete in the regionals. This means that the schools whose student/s represented the Philippines in the previous year's IChO can still send a maximum of three other candidates to the regionals on top of the IChO participant.
- E.1.3. Competitors are expected to be at the venue **22 March 2025 (Saturday)** by **7:00 AM** in their **school uniform** with **proper identification** (ID and Certification/Endorsement as regional winners from their PNCO Regional Coordinator).
- E.1.4. Registration will be done **online**. The link to the online registration will be sent to the Regional Coordinator via email. *Note that no walk-in registrations will be allowed.*
- E.1.5. The PNCO National Finals Registration fee is 200 PhP per student/ coach. Registration fees should be made thru bank payment. Bank details are as follows:

Account Name:	PHILIPPINE FEDERATION OF CHEMISTRY SOCIETIES, INC.
Savings Account No.:	3083-7211-88
Bank Branch:	Bank of the Philippine Islands (BPI) Loyola, Katipunan Branch



PHILIPPINE FEDERATION OF CHEMISTRY SOCIETIES, INC.

Unit 233 Citiland Pioneer, 128 Pioneer St., Highway Hills, Mandaluyong City 1552 Philippines

PHILIPPINE NATIONAL CHEMISTRY OLYMPIAD




- E.2.4. Participants are allowed to use scientific calculators except those which are programmable, with equation feature, and with built in constants, during the three stages/categories of the competition. All calculators shall be submitted to the PNCO Secretariat before the contest proper for inspection.
- E.2.5. Periodic table will be provided by the committee.
- E.2.6. Correct spelling and proper use of significant figures must be observed.

F. AWARDS

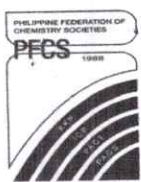
- F.1. Each participant and coach will be given certificate of participation.
- F.2. The following are the awards to be given:
- F.2.1. **Gold Award** – will be awarded to the **top 4 scorers** in the Quiz Bee round.
- F.2.2. **Silver Award** - will be given to the **5th up to the 10th rank** in the Quiz Bee round.
- F.2.3. **Bronze Award** – will be received by the **10 student participants** who qualify up to the Laboratory Practical Examination.
- F.2.4. **Alex A. Tardaguila Award** - The Alex Tardaguila Award was established to honor the memory of Mr. Alex Tardaguila. Alex was a faculty member of the Pamantasan ng Lungsod ng Maynila and was a long-time member of the PNCO committee. Alex diligently served as head of the PNCO test bank committee for many years. This award is given to the top four (4) winners.
- F.3. The **Gold Awardees (Top 4)** will be the **Philippine delegation to the 57th International Chemistry Olympiad (IChO) 2025**. IChO 2025 will be held on **05 - 14 July 2025** to be hosted by the United Arab Emirates.

For inquiries, you may contact: PNCO Secretariat (Jennifer Sy) pnco2021team@gmail.com.


Jennifer C. Sy
PNCO Secretariat

cc: PNCO COMMITTEE

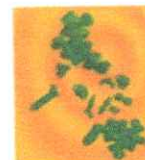




PHILIPPINE FEDERATION OF CHEMISTRY SOCIETIES, INC.

Unit 233 Citiland Pioneer, 128 Pioneer St., Highway Hills, Mandaluyong City 1552 Philippines

PHILIPPINE NATIONAL CHEMISTRY OLYMPIAD (PNCO)



24th Philippine National Chemistry Olympiad 2025

24thPNCO2025

NATIONAL FINALS, FORUM, & AWARDING CEREMONY

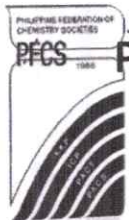
22 March 2025

College of Arts and Sciences

University of the Philippines Manila

07:00 – 07:15 AM	Ingress Registration	<i>UPM Theatre</i>	
07:15 – 08:00 AM	Opening Prayer National Anthem Opening/Welcome Remarks Introduction of Participants Orientation	<i>UPM Theatre</i>	
08:00 – 10:00 AM	Written Theoretical Examination (All student participants) <i>Rizal Hall (RH) 3rd Floor Classrooms</i>	Coaches' Forum/ Seminar (Coaches and Guests) <i>UPM Theatre</i>	
10:00 – 10:30 AM	Break (<i>Snacks, Checking of Exam Papers by Committee</i>)		
10:30 – 12:30 PM	Laboratory Practical Examination (Top 20 scorers only) <i>Gusaling Andres Bonifacio (GAB) 4th & 5th Floor Chemistry Laboratories</i>	Coaches' Forum/ Seminar (Coaches and Guests) <i>UPM Theatre</i>	Student Activities: Games/Campus Tour/Forum (Students)
12:30 – 02:30 PM	Lunch Break		
02:30 – 04:30 PM	Chemistry Quiz Bee	<i>UPM Theatre</i>	
04:30 – 06:00 PM	Intermission Number Acknowledgement of Sponsors, etc. Awarding of Certificate of Participation Awarding of Winners Closing Remarks Egress	<i>UPM Theatre</i>	





PHILIPPINE NATIONAL CHEMISTRY OLYMPIAD

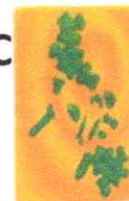
24PNCO2025 MEMO – 002

24th Philippine National Chemistry Olympiad 2025 (24PNCO2025)

REGIONAL COORDINATORS

Region	Name of Regional Coordinator	E-mail/ Mobile Number/ messenger	Institutional Affiliation Address
NCR	Jay Lawrence I. Gonzales	acad.upchemsoc@gmail.com 09292571372	UP Chemical Society (Secretary; Academics Committee Member), University of the Philippines Diliman
1 (Ilocos Reg)	Roselyn F. Simon & Leanne Jane C. Lazaro	clsuchemicalsociety@gmail.com simon.roselynf@gmail.com leannelazzaro@gmail.com 09266250154 09602003706	CLSU Chemical Society (President; Vice President for Internal Affairs), Central Luzon State University Science City of Munoz, Nueva Ecija
2 (Cagayan Valley)			
3 (Central Luzon)			
CAR (Cordillera Administrative Region)			
4A (CALABARZON)	Judy Kristel V. Bayalas, RCh	jvbayalas@up.edu.ph 09177397355	Institute of Chemistry, College of Arts and Sciences University of the Philippines Los Baños (Instructor 6)
4B (MIMAROPA)			
5 (Bicol Reg)	Magnolia Vida A. Cano, RCh	mvacano@bicol-u.edu.ph	Chemistry Department, College of Science, Bicol University, Legazpi City PACT Bicol
6 (Western Visayas)	Danilo O. Ortillo, PhD	dortillo@gmail.com 09173168101	Rm 216 Tomas Fonacier Building Department of Chemistry University of the Philippines Visayas Miagao, Iloilo, 5023
7 (Central Visayas)	Jill R. Quitayen, RCh	jrquitayen@usc.edu.ph 09176275112	Department of Chemistry, University of San Carlos, Nasipit, Talamban, Cebu City
8 (Eastern Visayas)	Mark Ryan R. Tripole, RCh	mark.tripole@vsu.edu.ph 09201196784	Department of Pure & Applied





PHILIPPINE NATIONAL CHEMISTRY OLYMPIAD

			Chemistry (Department Head), Visayas State University Baybay City, Leyte, Philippines
BARMM (Bangsamoro Autonomous Region in Muslim Mindanao)	Zakariya P. Muripaga	zakariya.muripaga@msumain.edu.ph 09085333507	Chemistry Dept, College of Natural Sciences and Mathematics, MSU, Marawi
9 (Zamboanga Peninsula)	Sheeva M. Yahcob- Saddalani RCh, Ed.D.	shess@chemist.com sheeva.saddalani@wmsu.edu.ph	ICP-ZAMPEN; Chemistry Department, WMSU
10 (Northern Mindanao)	Ann Marian Lou Ortega Eslopör, RCh	aeslopör@xu.edu.ph 09054593666	Chemistry Department, Xavier University (Faculty)
11 (Davao Reg)	Christine Marie M. Tupaz, RCh	icp.somin18@gmail.com 09175561295	ICP-SoMin Chapter (President)
12 (SOCCSKSARGEN)	Ma. Maurice A. Banquiling, RCh	mamauricealbino@gmail.com 09294111232	Integrated Chemists of the Philippines - SOCCSKSARGEN Chapter (President); Bureau of Fisheries and Aquatic Resources XII (Chemist I)
13 (Caraga Administrative Region)	Mark Anthony M. LavapieZ	mmlavapieZ@carsu.edu.ph 09985359620	Caraga State University, Ampayon, Butuan City
NIR (Negros Island Region)	-	-	-



GENERAL GUIDELINES FOR THE 24th PNCO 2024

A. IMPORTANT DATES:

1. Regional Chemistry Olympiad 2024: **08 February 2025 (Saturday)** – (08:00 AM to 12:00 PM, PST), Visayas State University, Baybay Campus
2. 24th PNCO 2024 National Finals Registration: **07 March 2025 (Friday)** (11:59 PM, PST)
3. 24th PNCO 2024 NATIONAL FINALS: **22 March 2025 (Saturday)**– 07:00 AM - 06:00 PM (PST), College of Arts & Sciences, University of the Philippines Manila
4. Preparations for the 57th International Chemistry Olympiad: **May – June 2025**
5. Trainings of Philippine Delegates: **June 2025**, TBA
6. 57th International Chemistry Olympiad: **05 - 14 July 2025**, United Arab Emirates

B. QUALIFICATIONS

The participants must be Filipino citizens enrolled as high school students at the time of the 23rd PNCO 2024 Regional and National competitions. (**Note: To qualify for IChO – International Chemistry Olympiad, students must not be enrolled/ registered as college students during the duration of IChO.**)

C. REGIONAL ELIMINATIONS

1. The 23rd PNCO 2024 Regional Eliminations will be held across the country starting from **15 February 2025 (Saturday)** to be hosted by their respective Regional Organizer/s. The Region may hold the Eliminations on a later or earlier date as long as they will meet the deadline in registering the regional delegates for the National Finals on or before **07 March 2025 (Friday)**.
2. For Region VIII, the Eliminations are to be held on the **08 February 2025 (Saturday)** face-to-face at the **Visayas State University, Main Campus** (exact venue to be arranged depending on turnout).
3. A maximum of **three (3) participants per school** may register.
4. A school may have a maximum of **three (3) coaches (one coach per student)**.
5. There will be a registration fee of **one hundred (100) pesos per student/coach** which will be collected by the VSU Chemical Society.
6. The Regional organizers will endorse the **top five winners (Champion, 1st Runner-up, 2nd Runner-up, 3rd Runner-up and 4th Runner-up)** of the Regional Olympiad to the National Committee on or before **07 March 2025 (Friday)** with the following details:
 - Date and Venue of Regional Eliminations, Modality
 - Number of student participants and number of participating schools
 - Name of Winners, School, Rank, email, contact number
 - Name of Coach, email, contact number

E. CONTEST COVERAGE:

Matter and its properties	Electronic Structure and Periodicity	Thermochemistry
Measurements	Chemical Bonding - Ionic Bonds	Chemical Kinetics
Atoms, Molecules, and Ions	Covalent Bonds	Chemical Thermodynamics
Stoichiometry	Organic compounds	Chemical Equilibrium
Gases	Intermolecular Forces and Liquids and Solids	Acid-Base Equilibria and Salt Equilibria
Electronic Structure of Atoms	Physical Properties of Solutions	Electrochemistry

Questions involving more advanced topics may also be included. These advanced topics may cover:

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4. Kinetics (catalysis, the Arrhenius equation, and integrated rate laws)
5. Organic chemistry (stereoisomerism, simple stereocontrolled organic transformations, [4+2]-cycloaddition, and [3,3]-sigmatropic rearrangement)
6. Spectroscopy (correlation of simple organic structures with their $^1\text{H-NMR}$, $^{13}\text{C-NMR}$, or IR data.)
7. Analytical Chemistry (acid-base titrations, complexometric titrations, redox titrations, spectrophotometry, and Beer-Lambert's Law)

F. REGISTRATION FEE AND MODE OF PAYMENT

As mentioned above, there will be a registration fee of **one hundred (100) pesos** per student/coach. We will collect the registration fee via GCash and you may send your payment to 09392640505 RO****O T. Please ensure proof of payment for confirmation and send it to mark.tripole@vsu.edu.ph along with the registration form.