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

June 29, 2022

REGIONAL MEMORANDUM

No. **736**, s. 2022

**VIRTUAL PROFESSIONAL DEVELOPMENT WORKSHOP FOR SCIENCE TEACHERS
SPONSORED BY PHILIPPINE NUCLEAR RESEARCH INSTITUTE**

To: Schools Division Superintendents
School Heads
All Others Concerned

- Attached is the Memoranda DM-CI-2022-241, dated June 21, 2022, announcing the conduct of the Virtual Professional Development Workshop for Science Teachers sponsored by Philippine Nuclear Research Institute (PNRI) on August 8 – 19, 2022.
- The participants are the science teachers in Grades 11 and 12 and Junior High School teachers handling special science classes. Interested teachers are encouraged to apply through the PNRI Online Course Application Portal.
- For other information, see the enclosure.
- Immediate dissemination of and compliance with this Memorandum are desired.


EVELYN R. FETALVERO, CESO IV
Regional Director

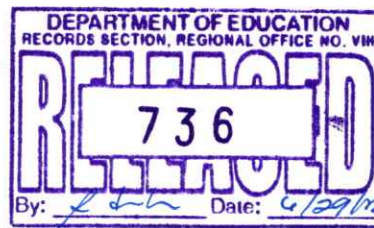
Enclosures: DM-CI-2022-241

References: As stated

To be indicated in the Perpetual Index under the following subjects:

ONLINE COURSE SCIENCE TRAINING

CLMD-RRT





Republic of the Philippines
Department of Education
OFFICE OF THE UNDERSECRETARY FOR CURRICULUM AND INSTRUCTION

BCD-CSDD-2022-I-8012

MEMORANDUM
DM-CI-2022-241

TO : MINISTER, MBHTE-BARMM
REGIONAL DIRECTORS

FROM : 
DIOSDADO M. SAN ANTONIO
Undersecretary 

SUBJECT : **Virtual Professional Development Workshop for Science Teachers Sponsored by PNRI**

DATE : June 21, 2022



The Memorandum of Understanding signed in May 2018 between the Department of Education and the Department of Science and Technology- Philippine Nuclear Research Institute (PNRI) aims to expand and sustain nuclear science and technology education among secondary school teachers and students of the country.

The PNRI is organizing the **Curie's Class**, a virtual professional development training course/workshop for secondary school science teachers, on August 8-19, 2022. The event is one of the activities under PNRI's Nuclear Science and Technology Education Program and the IAEA technical cooperation project RAS0091 "Supporting Nuclear Science and Technology Education at the Secondary and Tertiary Level".

The Curie's class is a 40 – hour professional development training course/workshop for secondary school science teachers. It aims to equip teachers with the ability to bring nuclear science into their classrooms and confidently teach their students about the peaceful and beneficial uses of the atom's energy. This workshop is open to science teachers, with preference to Grade 11 and 12 science teachers and Junior High School science teachers handling special science classes. The workshop will run for 2 weeks with a total of 8 sessions. Each session is designed for a 4-hour engagement with the course materials. The sessions will be rendered as a combination of pre-recorded (asynchronous) and live (synchronous) lectures.

Interested teachers are encouraged to apply through the PNRI Online Course Application Portal (<https://services.pnri.dost.gov.ph/portal/ApplyUser>). Deadline for application is **July 22, 2022**.

our email
6/21/22

For any clarification, please contact the Nuclear Training Center at telephone no. (02) 8929-6011 to 19 loc. 236 or by email at ntc@pnri.dost.gov.ph or nstep@pnri.dost.gov.ph.

Attached please find the details of the professional development workshop.

For immediate dissemination.




Course Title:	CURIE'S CLASS: NUCLEAR SCIENCE FOR HIGH SCHOOL TEACHERS
Date and Duration	August 8 – 19, 2022 (40 hours spread in two weeks)
Course Description	Curie's class is a professional development training course/workshop for secondary school science teachers. It aims to equip teachers with the ability to bring nuclear science into their classrooms and confidently teach their students about the peaceful and beneficial uses of the atom's energy.
Course Outcomes and Objectives	<p>The main outcome of the course is to have participants apply tools and strategies for teaching nuclear science concepts in their classrooms.</p> <p>At the end of the course, participants are expected to</p> <ol style="list-style-type: none">1. Develop an understanding of the nature of radiation and radioactivity and the peaceful and beneficial uses of the atom's energy2. Demonstrate understanding of the statistical nature of radiation phenomena by collecting, processing, and reporting experimental data3. Effectively use various tools and models to teach nuclear science
Participation:	This course is open to science and technology teachers, with preference to Grade 11 and 12 science teachers or those who are handling special science classes.
Application Procedure:	<p>Candidates wishing to apply for this course should follow the steps below:</p> <ol style="list-style-type: none">1. Prepare electronic copies of the following supporting documents:<ul style="list-style-type: none">• Recommendation/Endorsement letter from the university, institution, or company where the applicant is employed. Kindly address it to Dr. Carlo Arcilla, PNRI Director.• A recent 1x1 ID photo of the applicant2. Access the DOST-PNRI Online Course Application Portal (https://services.pnri.dost.gov.ph/portal/ApplyUser). Fill out application form completely and submit. Any issues/problems related to the Application Portal can be addressed to mis@pnri.dost.gov.ph.3. Closing date for applications is July 22, 2022 (Friday) <p>Successful applicants will be notified by email 3 – 5 working days after the closing date. Due to the volume of applications the center receives, no notification will be sent to applicants who will not be accepted to the training course. For more details on how to apply: https://bit.ly/PNRI-Course-Application.</p>
Administrative Arrangements:	<p>Participation to the course is free of charge. However, the participants should cover all expenses (e.g., web camera, headset, software, computer, Internet connection, studio rental, etc.) necessary to participate in the online course. In addition, the organizers do not provide the participants with any auxiliary devices (e.g., CD, USB flash drive, etc.). It is clearly understood that each organization, in recommending/endorsing the participants, undertakes the responsibility for such coverage including any special arrangements related to the participant's work schedule/load to ensure the participants full participation and successful completion of the course.</p> <p>It is recommended that participants prepare a place (e.g. office, house, etc.) for the online course, including a web camera, headset, software, computer, Internet connection, etc.</p>

CONTACT US**TO APPLY FOR A COURSE, VISIT:**



Nature and Scope of the Course:	<p>The training course/workshop will run for 2 weeks, with 8 sessions (including the opening and closing programs). Each session is designed for a 4-hour engagement with the course materials. The sessions will be rendered as a combination of pre-recorded (asynchronous) and live (synchronous) lectures. The course will be facilitated through an online learning management system.</p> <p>For the pre-recorded sessions, a dedicated time for interaction of participants with the course lecturers/facilitators (Q&A Sessions) will be scheduled from 11 AM – 12 Noon for topics that are scheduled in the morning and 3 PM – 4 PM for topics that are scheduled in the afternoon. All Live sessions will include Q&A sessions right after the presentation. This will be facilitated through the LMS's conference feature such as Zoom, MS Teams, or Google Meet. All live sessions will be recorded and will be made available to participants for the duration of the training course. Alternative activities will be conducted in place of hands-on exercises or experiments.</p> <p>Activities used for instruction and assessment of learning include the following: interactive lectures, exercises, hands-on-activities, readings, discussions, reflections, and examinations.</p> <p>This is a Pass/Fail course. Participants need to complete all required activities and earn a final grade of at least 50% to receive a certificate of completion.</p>
Topics to be Covered:	<ol style="list-style-type: none">1. Structure of the Atom2. Radiation and Radioactivity3. Nuclear Transformations4. Radioactivity and the Environment5. Interaction of Radiation with Matter6. Fission, Fusion, and Nuclear Reactors7. Risk and Safety of Radioactive Materials8. Applications of nuclear science in agriculture, health and medicine, energy, industry, and other fields
Activities/ Exercises/ Experiments:	<ol style="list-style-type: none">1. The Nuclide Chart2. Estimating Annual Dose3. Background Radiation Measurements (using meters available in the PNRI classroom kit)4. Half-life of a Beer/Soda Foam5. Cloud Chamber Experiment6. Time, Distance and Shielding Experiments7. Radiosensitivity Experiments8. Tour of PNRI facilities (Virtual)9. Technical visit to other nuclear facilities (Virtual)

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