



NEAP-DM-2019-003 OFFICE
 BAGUIO CITY

Office of the Undersecretary for Curriculum and Instruction

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MEMORANDUM
 DM-CI-2019-00 UR

TO : Regional Secretary
 Regional Directors
 Schools Division Superintendents
 Heads of Public Elementary and Secondary Schools

RECEIVED
 MAY 21 2019
 DEPED-CAR

FROM : *ALMA RUBY C. TORIO*
 ALMA RUBY C. TORIO
 Director IV
 Officer-in-charge, Office of the Undersecretary
 for Curriculum and Instruction

SUBJECT : **NOMINATION OF PARTICIPANTS FOR TRAINING COURSES
 AT SEAMEO REGIONAL CENTRE FOR QITEP IN SCIENCE
 FISCAL YEAR 2019**

DATE : 29 April 2019

SEAMEO Regional Centre for Quality Improvement of Teachers and Education Personnel (QITEP) in Science is pleased to invite Junior and Senior High School master teachers, and teaching-related personnel, i.e. Science instructional supervisors, to attend its regular training courses. The courses offered below are the Centre's contribution in improving the quality of science learning in the SEAMEO-member countries for Fiscal Year 2019.

No.	Training Course Names	Code	Dates	Venue	Registration Deadlines
1.	Training Course on Environmental Education for Sustainable Development (Office of Climate Education)	EESD	7-16 July 2019	Bandung, West Java, Indonesia	30 May 2019
2.	Training Course on Earth and Space Science (Mission to Mars)	ESS	6-15 August 2019		20 June 2019
3.	Training Course on STELR Renewable Energy Programme	STELR	9-13 September 2019		25 July 2019

The Centre will cover the participants' expenses for the most direct international round-trip airfares (economy class) from the origin SEAMEO-member country to the venue, airport transfers, course materials, as well as lodging for nine (9) nights, meals, and per diem according to the

To: All School Administrators, Principals & Teachers In-Charge
 (Elementary & Secondary)
FOR YOUR INFORMATION & APPROPRIATE ACTION
FEDERICO P. MARTIN, Ed.D, CESO VI
 Schools Division Superintendent

materials, as well as lodging for nine (9) nights, meals, and per diem according to the standard of the Centre. The Course Information, Registration Guide, and Application Form of the program are enclosed in this memorandum.

Regional nominees should accomplish the online registration found in <http://bit.ly/QITEPScience> and email the required document to scholarships@deped.gov.ph on or before deadline.

For further inquiries and clarifications, you may contact the DepEd Scholarship Secretariat at (02) 633-9455 or thru the given email above.

Immediate dissemination of and appropriate action for this memorandum is desired.

- Annex A: List of Requirements*
B: Registration Guide
C: Application Form (Training Courses at SEAMEO REGIONAL CENTRE FOR QITEP IN SCIENCE)



Republic of the Philippines
Department of Education
Cordillera Administrative Region
Wangal, La Trinidad, Benguet



May 10, 2019

ADVISORY

**TO: Schools Division Superintendent
All Divisions
All Others Concerned**

For information and dissemination. Please submit names of nominees with their documents through hrdd.depedcar@gmail.com ten (10) days before the stated registration deadlines.


BETTINA DAYTEC-AQUINO
Assistant Regional Director

HRDD/CFM/rca

ANNEX A
LIST OF REQUIREMENTS

Qualification	Documentary Requirements
a. Filipino citizen	<ol style="list-style-type: none"> 1. Updated Personal Data Sheet 2. IPCRF Summary of Rating
b. Must be 52 years old below	
c. Must have rendered at least five (5) years of service in the government (DepEd) at the time of nomination	
d. Must hold a permanent appointment at the organization nominating him/her	
e. Must have no pending administrative and/or criminal case	<ol style="list-style-type: none"> 3. Certification of no pending administrative and/or criminal case signed by the applicant's respective legal / administrative officer
f. Must have a college degree and/or sufficient demonstrated ability and experience related/relevant to the course he/she is applying for	<ol style="list-style-type: none"> 4. Transcript of Record 5. Individual Plan for Professional Development (IPPD) 6. Letter of Application addressed to the head of office stating your motivations for applying to the programme and its relevance to your professional and your organization's goals 7. Supporting documents related to outstanding accomplishments
g. Must have a good command of the English language (spoken and written)	
h. Must have professional development needs aligned with the KRAs of the organization	
i. Must have outstanding accomplishments related/leading to the program applying for	
j. Must have no pending nomination for scholarship in another program/course or have already rendered the required service obligation for a scholarship previously enjoyed	<ol style="list-style-type: none"> 8. Certification that the applicant has no pending application for scholarship under another program signed by the immediate supervisor
k. Physically and mentally fit	<ol style="list-style-type: none"> 9. Medical certificate of physical fitness issued by a physician
l. Not an expectant mother or nursing mother	
	<ol style="list-style-type: none"> 10. endorsements from the head of office <ol style="list-style-type: none"> a. endorsement from school principal/division chief b. endorsement from the Schools Division Office through the Office of the SDS c. Nomination Letter from the Regional/Bureau Director or his/her duly authorized representative (thru the Regional HRDD Chiefs)



REGISTRATION GUIDE
TRAINING COURSE ON STELR-STEM EDUCATION
09-13 September 2019

SEAMEO Regional Centre for QITEP in Science, in collaboration with the Australian Academy of Technology and Engineering (ATSE), will convene Training Course on Science Technology Education Leveraging Relevance (STELR) Science Technology Engineering Mathematics (STEM) Education. STELR is a national initiative of the Australian Academy of Technology and Engineering. The primary aim of STELR is to address the problem of low participation rates in STEM subjects at the upper secondary school level. It does this by developing teaching modules relating these subjects to highly relevant issues affecting all students.

SEAMEO QITEP in Science has collaborated with ATSE since 2015- now to conduct Training Course on STELR-STEM Education. In 2019, this training will bring the theme concerning about future water management and technology. We will also present a keynote speaker from UNESCO namely Professor Shahbaz Khan which will provide more knowledge about Strategy Persuading Public on Environmental Awareness. In 2015, he has been appointed as the Director of the UNESCO Regional Science Bureau for Asia and the Pacific and UNESCO Representative for Brunei Darussalam, Indonesia, Malaysia, the Philippines, and Timor-Leste. In 2008, he joined UNESCO as Chief of the Water and Sustainable Development Section in the Division of Water Sciences in the Natural Sciences Sector in Paris.

We will conduct Training Course on STELR-STEM Education from 09-13 September 2019. We grant scholarship for 40 selected participants consisting of 20 participants from Indonesia (selected by SEAMEO QITEP in Science) and 20 participants from other SEAMEO Member Countries (selected/nominated by Ministry of Education in the respective countries) and Asia Pacific countries (free charge of programme, accommodation, meals, and local transportation during the training).

A. General Requirements

Applicants must meet the following requirements to be eligible for selection process.

- Science teacher in junior or senior high school.
- No more than 52 years old.
- Able to communicate actively in English.
- HAS NEVER participated in any regular or regional training courses conducted by SEAMEO QITEP in Science (alumni data will be verified).
- Active teacher and/or also active member of Teachers Association or Teacher Working Group.

- Good health condition.
- Should not be regarded as an expectant mother.

B. The Rules for Selected Applicants

a. Transportation

Selected participants from West Java, Central Java, Banten, and DKI Jakarta will commute by land transportation (using train, bus, travel agent, etc).

b. Arrival Confirmation

Selected participants should confirm the availability of participation, at maximum two weeks prior to the day of training course through telephone or email.

c. Disqualification

Disqualification or cancellation of participation will apply on the following conditions:

- proven to conduct falsification of data/identity;
- acknowledged as an alumnus of any regular training courses conducted by SEAMEO QITEP in Science;
- not permitted by his/her direct head/superior (principal, foundation or official); and
- absence more than two days during the training course.

C. Prohibition

Selected participants are not allowed to:

- bring their children, friends, babysitter or other family members during the training course;
- leave the training course session in a long time without notification to the committee in charge;
- leave the training course session without prior notification to the committee (the participant who has some businesses outside the training course should send prior notification to the committee before leaving);
- bring any weapons to the training course venue; and
- smoke during the training course session.

D. Accommodation and Meals

For the selected participants, SEAMEO QITEP in Science will make a hotel reservation on participants' behalf (upon receipt of the registration form). Participants' rooms, except the self-funded one, will be paid for by SEAMEO QITEP in Science for five (5) nights only from 08 September 2019 (check-in) to 13 September 2019 (check-out). Meals and snacks have been arranged for all participants during the training. Meals will be started to be served at lunch time on the first day on the mentioned date.

E. Self-Funded Participants

The training courses are also open for 5 (five) self-financed master teachers or education personnel with required qualifications in the basis of first come first served. The registration fee of each course is 423 USD that includes airport transfers, lodging, courses materials and meals. Payment could be made by bank transfer and show the transfer receipt or cash upon their arrival to the course venue. Please note that self-funded participants will shoulder their own international travel.

F. Others

Other concerned information/regulation which has not yet stated in this guideline will be determined later.

For inquiries and other information, please do not hesitate to the Secretariat of SEAMEO Regional Centre for QJTEP in Science (Mr Dian Purnama/Mr Dito Prasetyo) by:

phone : +62 22 4218739

fax : +62 22 4218749

email : secretariat@qitepinscience.org

website : <http://www.qitepinscience.org>

Find our other programmes and information on following official account.

Facebook : www.facebook.com/qitepscience

Website : www.qitepinscience.org

CONCEPT NOTE

REGULAR TRAINING COURSES OF SEAMEO QITEP IN SCIENCE 2019

A. General Description

SEAMEO QITEP in Science conducts annual training courses for science teachers and educational personnel in Southeast Asia. The centre grants full scholarships for 30 selected participants that cover programme fee, accommodation, meals, and transportation during the training. Each regular training course will be attended by 20 participants from Indonesia and 10 participants which represent SEAMEO Member Countries (selected/nominated by the Ministry of Education).

The training that will be conducted in the fiscal year of 2019 are:

1. Environmental Education for Sustainable Development (Code: EESD)

Rationale

The most influential living creature on this Earth is human. Therefore, learning about all environment topics by discussing them as concepts will not enough, but how we as a human being must act to face them. From past achievements and future challenges related to education in Southeast Asia particularly linked to the development of global development goals and ASEAN integration, one can identify the number of important driving forces which will necessarily influence the future development of education in the region. These include the environmental deterioration and sustainability as well as emergency conflicts and disasters (SEAMEO Secretariat, 2014). Education systems can at least make the effort to promote sustainable development in what they teach and in efforts to make their own institutions "green" and eco-friendly. Even less discussed education systems must do something to sustain themselves and be resilient in the face of, and to prevent, prepare for, mitigate the impact of, respond to, and recover from such emergencies.

Good intentions for the professional development of teachers have fallen short in practice. Although taken up by enthusiasts, teacher education for sustainable development has rarely been *mainstreamed*, and, where there are courses, is often approached within a disciplinary frame (Wals, A., 2009, in UNESCO, 2013). Concerning the described issues, Training Course on Environmental Education for Sustainable Development is one of the SEAMEO QITEP in Science (SEAQIS) efforts to increase teacher's competence and encourage their real roles in school to overcome threats in sustainable development.

Since 2009, SEAQIS has been developing the whole school approaches in the promotion of environmental education. The essence of this approach is the involvement of all parties within a school which leads to their empowerment in integrating environmental education issues into all school programmes/activities. In



the fiscal year of 2019, SEAQIS' training will highlight climate change and disaster risk reduction that plays an important factor in achieving sustainable development. The United Nations have declared climate change as one of the major challenges of our time. In that context, teachers require educational resources as well as professional development to be able to offer climate change education to their pupils (OCE, 2018). To face this challenge, SEAQIS in affiliation with the Office of Climate Education (OCE) will provide a new perspective to enrich teachers' understanding and skills to address climate change issues. Moreover, to accommodate the current challenge in Southeast Asia related to disaster management, SEAQIS invites a stakeholder and other parties that concern on Disaster Risk Reduction (DRR) to give their expertise in mitigating and responding to a disaster. This is one of SEAQIS' contributions to fulfill the commitment from the Third Asian Ministerial Conference on Disaster Risk Reduction (2008, Malaysia) that stated "education is an essential contribution to effective implementation of disaster risk reduction and concrete impact in terms of shifts in behaviour at the local level, where communities are the most vulnerable to disasters." This programme is expected to be an important part of improving the quality of science teaching and learning in schools with respect to the environment, ecosystem conservation, and their support for sustainable development.

Goals

The goals of this course are:

1. to share best practices in environmental education activities related to knowledge development, skills, and values as well as their support to sustainable development;
2. to understand other issues related to environment and sustainable development such as climate change, Disaster Risk Reduction (DRR) and Global Citizenship;
3. to acquaint master trainers to global and local issues of climate change using Inquiry-based Science Education (IBSE) as an approach to teaching climate change;
4. to enhance skills, understanding and competency of master trainers to assist teachers in implementing the approach;
5. to provide the master trainers with a solid framework for producing locally-relevant educational programs on climate-change issues;
6. to integrate sustainable development issues into science learning and their assessment.

Learning Objective

After the training, the participants should be able to:

1. share their best practices regarding the implementation of environmental education in the participants' school;
2. integrate sustainable development issues into lesson plan, hands-on activities, learning materials and publication content of environmental education;
3. acquaint master trainers to global and local issues of climate change using Inquiry-based Science Education (IBSE) as an approach to teaching climate change;

4. enhance skills, understanding and competency of master trainers to assist teachers in implementing the approach;
5. provide the master trainers with a solid framework for producing locally-relevant educational programs on climate-change issues;
6. observe environmental management practices as inspiration resources to be adopted.

Date and Venue

The training course will be conducted on 07-16 July 2019. The venue of the programme is in Bandung, Indonesia.

Intended for: elementary school teachers and junior secondary teachers.

2. Earth and Space Science (Code: ESS)

Rationale

Earth is the only planet known to have abundant and complex life. The Earth's interlocking spheres (geosphere, hydrosphere, atmosphere, and biosphere) are dynamically balanced and sustained by the energy from the Sun and from the Earth's core. Understanding how Earth and space systems interact, how they affect us, and how we affect them is vital for our survival. (Te Kete Ipurangi-MOE New Zealand, 2012)

Moreover, today we live in a time when the Earth and its inhabitants face many challenges. Our climate is changing and that change is being caused by human activities. Earth scientists recognise this problem and have to play a key role in efforts to resolve it (Hobart King-geology.com). One of the topics in this field is on disaster risk reduction (DRR).

Earth observations (EO) and Space-based technologies are already playing a crucial role in contributing to the generation of relevant information to support and inform decision-making regarding risk and vulnerability reduction and to address the underlying factors of disaster risk. For example, long series of Earth observation data collected over more than 30 years already contribute to track changes in the environment and in particular, environmental degradation around the world. (UN World Conference on DRR, 2015)

Responding these challenges, SEAMEO QITEP in Science (SEAQIS) as a Centre focuses on the enhancement of science education quality has been developing the whole school approaches in the promotions of Earth and Space Science Education since 2009. By conducting training on earth and space science, teachers are expected to develop knowledge and skills in managing class activities related to earth and space.

In the fiscal year of 2019, this training more emphasizes about DRR and explore further about space. In that stage, the centre will collaborate with Pakistan Space Science Education Centre (PSSEC) who are working in the space agency and actively developing projects to send people to Mars under the name of "Mars One". Mars

One has developed a mission to establish a human settlement on Mars built entirely upon existing technology. As stated on their concept, PSSEC is a specialist on space-themed educational initiative providing activities, in the context of space science principally around the exploration of Mars that excites and engages students and inspire them to pursue careers in science, technology, and engineering. In this activity, the participants will experience the application of Robotics, Augmented Reality, Artificial Intelligence and the Internet of Things for better understanding of science content.

Goals

This training programme aims to develop teacher's content comprehension and supporting classroom activities development, also the latest issue related to the earth and space science, for improving the quality of learning process in class.

Learning Objective

After the training, the participants should be able to:

1. describe the process of rock formation;
2. demonstrate how the tectonic plates move and how the landscape formed;
3. plan a school risk reduction and mitigation procedure;
4. experience and learn about project Mission to Mars through following experiment activities using simple materials and current technology (AR/VR, Robotics, AI, etc.);
5. develop an interactive earth and space lesson using simple hands-on activities; and
6. experience and learn about the use of exemplary science teaching practices such as inquiry learning, cooperative/collaborative learning, and problem-based learning.

Date and Venue

The training course will be conducted on 06-15 August 2019. The venue of the programme is in Bandung, Indonesia.

Intended for: science, physics, and geography teachers in junior and senior high schools.

B. General Requirements

Applicants must meet the following requirements to be eligible for the selection process.

1. No more than 52 years old.
2. Able to communicate actively in English.
3. **HAS NEVER** participated in any regular or regional training courses conducted by SEAMEO QITEP in Science (alumni data will be verified).

4. Active teacher and and/or also active member of Teachers Association or Teacher Working Group.
5. Good health condition.
6. Should not be regarded as an expectant mother.

C. The Rules for Selected Applicants

- a. Country Report/Innovation Report and Science Curriculum
Selected participants will be required to make a country report or innovation report (the detail will be informed in the invitation letter), which describes best-practice, research, or classroom action research with certain theme and format as well as to bring science curriculum guide of the participants from other countries.
- b. Transportation
Selected participants from West Java, Central Java, Banten, and DKI Jakarta will commute by land transportation (using train, bus, travel agent, etc).
- c. Arrival Confirmation
Selected participants should confirm the availability of participation, at maximum one week prior to the day of the training course through telephone or email.
- d. Disqualification
Disqualification or cancellation of participation will apply on the following conditions:
 - proven to conduct falsification of data/identity;
 - proven to conduct plagiarism to the creation and intellectual property in the innovation report;
 - acknowledged as an alumnus of any regular training courses conducted by SEAMEO QITEP in Science;
 - not permitted by his/her direct head/superior (principal, foundation or official); and
 - absence more than two days during the training course.

D. Prohibition

Selected participants are not allowed to:

- bring their children, friends, babysitter or other family members during the training course;
- leave the training course session in a long time without notification to the committee in charge;
- leave the training course session without a prior notification to the committee (the participant who has some businesses outside the training course should send prior notification to the committee before leaving);
- bring any weapons to the training course venue; and
- smoke during the training course session.

E. Accommodation and Meals

For the selected participants, SEAMEO QITEP in Science will make a hotel reservation on participants' behalf (upon receipt of the registration form). Participants' rooms, except the self-funded one, will be paid for by SEAMEO QITEP in Science for **nine (9) nights only** from:

No	Training Course	Check-in	Check-out
1	Environmental Education for Sustainable Development	7 July 2019	16 July 2019
2	Earth and Space Science	6 August 2019	15 August 2019

Meals and snacks have been arranged for all participants during the training. Meals will be started to be served at lunch time on the first day on the mentioned date.

F. Self-Funded Participants

The training courses are also open for 5 (five) self-financed master teachers or education personnel with required qualifications in the basis of first come first served. The registration fee of each course is 700 USD that includes airport transfers, lodging, courses materials and meals. Payment could be made by bank transfer and show the transfer receipt or cash upon their arrival to the course venue. Please note that self-funded participants will shoulder their own international travel.

G. Others

Other concerned information/regulation which has not yet stated in this guideline will be determined later.

For inquiries and other information, please do not hesitate to the Secretariat of SEAMEO Regional Centre for QITEP in Science (Mr Dian Purnama/Mr Dito Prasetyo) by:

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Website : www.qitepinscience.org



**APPLICATION FORM
TRAINING COURSES AT
SEAMEO REGIONAL CENTRE FOR QITEP IN SCIENCE**

COURSE TITLE

TITLE

(Mr/Mrs/Ms/Dr/others)

LAST NAME

(Family Name)

FIRST NAME

(Given Name)

MIDDLE NAME

NATIONALITY

SEX

PLACE OF BIRTH

BIRTH DATE

(Day/Month/Year)

AGE

OCCUPATION

SUBJECT TAUGHT

(for Teacher)

EDUCATION

(Level and Subject)

AUTHORISED BY

(Essential)

Recent clear-color
photo

HOME ADDRESS

NO. AND STREET

ZIP CODE

TELEPHONE

TOWN

FAX

CITY/ PROVINCE

MOBILE

STATE/ REGION

EMAIL

COUNTRY

OFFICE/ SCHOOL ADDRESS

**OFFICE/ SCHOOL
NAME**

**STATE/
REGION**

COUNTRY

NO. AND STREET

ZIP CODE

TELEPHONE

TOWN

FAX

CITY/ PROVINCE

WEBSITE

CONTACT IN CASE OF EMERGENCY

NAME

RELATIONSHIP

ADDRESS

TELEPHONE

MOBILE

EMAIL

Participant's signature over name

Note:

Completed application form of nominated candidate must be sent to SEAMEO QITEP in Science by Fax no. +62 22 4218749 and email: secretariat@qitepainscience.org