



Our ref.: 07475/2021/S/HWR/4DLC-HYD

9 April 2021

Annex: 1 (available in English only)

Subject: Fourth Distance Learning Course in Hydrology II: Advanced Topics in Hydraulics, Hydrology and Hydrometeorology for Asian Countries

Dear Sir/Madam,

I am pleased to inform you that, in view of the success of the previous three editions, the National Water Academy (NWA), which is a component of the WMO Regional Training Centre of India, the World Meteorological Organization (WMO) and the COMET® Program of the USA, are organizing the fourth Distance Learning Course in Hydrology II: Advanced Topics in Hydraulics, Hydrology and Hydrometeorology for professionals working in hydrological forecasting in Asian countries, from 31 May to 16 July 2021.

The course, which will be run in English, is designed to meet the needs of forecasters who require more advanced training in selected hydraulics and hydrological modelling topics. Nominees should have successfully completed a previous offering of the Distance Learning Course in Hydrology: Basic Hydrologic Sciences.

Upon completion of this course, participants will be able to:

- Describe basic features of dams, dam failure modelling, and river hydraulics;
- Explain the advantages of using distributed hydrological models, associated data requirements and possible limitations;
- Define key motivations and purposes of performing forecast verification;
- Explain techniques for measuring rainfall and processes leading to rainfall; including climate cycles such as seasonal monsoons, ENSO, MJO.

The course will be centred upon ten required, and one out of four optional distance learning modules developed by COMET and NWA. Students will be required to complete an online quiz at the completion of each module. The modules can be downloaded directly from either the Course or the COMET website.

The course will also include two live events to be attended via web technologies at the start and closure of the course, as well as weekly online communications (through the course forum) with course instructors and fellow students. The live sessions and online communications will allow students to ask questions, share their regional issues and experiences, and learn more deeply by discussing the course content with their peers and the instructors.

To: Permanent Representatives of RA II and RA V with WMO (limited distribution)

cc: Hydrological Advisers

In addition to mastering the course content, each student will be required to complete a short final assignment on a topic to be selected among four available options. Each topic calls for the application of knowledge learned through the modules. Successfully completing the course assignments and the online quizzes for each module will earn students a certificate of completion.

It is estimated that the dedication needed to successfully complete this course is a total of 35 to 45 hours, or an average of about 6 to 8 hours/week. Supervisors are encouraged to release participants from their work responsibilities during those hours.

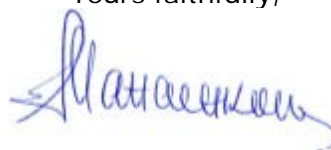
I would appreciate it if you could nominate up to two candidates to participate in this course. Please take into account that the number of available places is limited. However, should you wish to nominate more than two candidates, you are welcome to do so and we will take them into consideration, should some additional places become available.

I should be grateful if you could kindly send your nominations at your earliest convenience, but not later than **7 May 2021**, to give us sufficient time to send the accepted participants the relevant course material before the opening date. Please send one Nomination Form (see Annex) duly filled and signed by you for each candidate to: Mr Claudio Caponi - ccaponi@wmo.int, with a copy to: Ms Françoise Fol - ffol@wmo.int.

Accepted candidates will be contacted directly with additional instructions related to the course. Please be extremely careful when filling in the postal address information in the Nomination Form, as this is the address where course material will be mailed.

I am confident you will find this activity extremely interesting in improving the hydrological forecasting skills of the experts from your country.

Yours faithfully,



Dr Elena Manaenkova
for the Secretary-General



**DISTANCE LEARNING COURSE IN HYDROLOGY II:
Advanced Topics in Hydraulics, Hydrology and Hydrometeorology
31 May to 16 July 2021**

PARTICIPANT NOMINATION FORM

Please note that this form needs to be saved before you fill it in

**The Permanent Representative/ Hydrological Adviser of
with WMO nominates the following candidate to participate in the above course:**

PERSONAL DETAILS

FAMILY NAME:

FIRST NAME:

GENDER: **MALE** **FEMALE**

POSTAL ADDRESS:

ORGANIZATION:

E-MAIL:

TELEPHONE NUMBER:

YEAR OF COMPLETION OF THE BASIC COURSE (required):

SIGNATURE:

Please send this filled pdf form unsigned, as well as a signed scanned version.