

**Certificate of Advanced Studies in Water, Sanitation and Hygiene for
humanitarian and developing contexts
Academic year 2022-23 – 4rd Edition**

Major changes introduced: , 1 afternoon dedicated exclusively to the kick-off meeting ;1 additional
afternoon for each of the 3 online modules, they were too short and did not include groupe works
with assignment, mandatory for online courses for promoting meeting and getting to know each
other among students

Kick-off meeting

Date	Time (CET)	Unit title	Speaker(s)
23.02.2023	1 – 4:30 pm	▪ Kick off meeting : team building, course objectives and agenda	whole team

Module 1 – Drinking water and public health (online)			
Date	Time (CET)	Unit title	Speaker(s)
02.03.2023	1 – 4:30 pm	<ul style="list-style-type: none"> ▪ Introduction: water quality and public health ▪ Water borne diseases ▪ GROUPE WORK with assignment (2 hours) 	Valsangiacomo
09.03.2023	1 - 4:30 pm	<ul style="list-style-type: none"> ▪ Drinking Water, chemicals and Health WASH during a humanitarian intervention ▪ SDG 6 ▪ WHO drinking water guidelines/ sanitary inspection of WASH facilities 	Valsangiacomo
16.03.2023	1 - 4:30 pm	<ul style="list-style-type: none"> ▪ Key concepts and actions during Emergency ▪ Water Cycle: towards sustainable water resource management ▪ Integrated Water Resource Management in Emergency ▪ Water safety plans ▪ Groundwater: introduction 	Friedl
23.03.2023	1 - 4:30 pm	<ul style="list-style-type: none"> ▪ Management and governance related to WASH ▪ Emergency water sources 	Valsangiacomo
30.03.2023	1 - 4:30 pm	<ul style="list-style-type: none"> ▪ Legal/regulatory aspects and water pricing ▪ Anthropological aspects related to WASH ▪ GROUPE WORK with assignment (2 hours) 	Valsangiacomo
06.04.2023	1 - 4:30 pm	<ul style="list-style-type: none"> ▪ Exam 	Valsangiacomo

Module 2 – Environmental Sanitation (online)

Date	Time (CET)	Unit title	Speaker(s)
13.04.2023	1 - 4:30 pm	<ul style="list-style-type: none"> Introduction to Environmental sanitation Basic urban services and service delivery chains Sanitation systems in contexts: why do service chains fail? 	Lüthi
20.04.2023	1 - 4:30 pm	<ul style="list-style-type: none"> Citywide inclusive sanitation (CWIS) Community-Led Urban Environmental Sanitation (CLUES) Innovations in urban sanitation 	Lüthi
27.04.2023	1 - 4:30 pm	<ul style="list-style-type: none"> Sanitation and public health Pathogens in WASH Climate change impacts on WASH 	Uprety
04.05.2023	1 - 4:30 pm	<ul style="list-style-type: none"> Data collection and rapid assessments Emergency sanitation Behaviour change approaches & methods 	Friedrich Harter
11.05.2023	1 - 4:30 pm	<ul style="list-style-type: none"> 	
18.05.2023	1 - 4:30 pm	<ul style="list-style-type: none"> Exam 	Lüthi

Commentato [VC1]: Please restructure including 2 GROUPE WORK with assignment of 2 hours

Module 3 – Sustainable water supply (online)

Date	Time (CET)	Unit title	Speaker
25.05.2023	1 - 4:30 pm	<ul style="list-style-type: none"> Introduction to sustainable water supply in humanitarian and development contexts Introduction to applied hydrogeology : water balance and resource evaluation 	Milnes Pronk
01.06.2023	1 - 4:30 pm	<ul style="list-style-type: none"> Water source assessment Groundwater potential mapping and water supply master planning Groundwater exploration: Geophysical investigation methods 	Milnes Pronk
08.06.2023	1 - 4:30 pm	<ul style="list-style-type: none"> Groundwater exploitation Basics of well construction relevant to well assessments Pumping tests and water scheme design 	Milnes Pronk
15.06.2023	1 - 4:30 pm	<ul style="list-style-type: none"> Water distribution networks (EPANET) 	Cippà

22.06.2023	1 - 4:30 pm	▪	
29.06.2023	1 - 4:30 pm	▪ Exam	Milnes

Commentato [VC2]: Please restructure including 2 GROUPE WORK with assignment of 2 hours

Module 4 – Practical fieldwork (on site), Ticino, Switzerland

The practical module will take place in the Swiss Italian Canton of Ticino, near Mendrisio (headquarter SUPSI), in the surrounding mountain area of monte San Giorgio ([UNESCO site](#)). All participants will be hosted at [Ca' Stella](#), an historic residence situated in the beautiful and picturesque neighbourhood of Meride. The course will last a full week and will feature many hands-on activities, socialization among students, peer learning, professional and leisure visitings.

Date	Time (CET)	Unit title	Speaker
15.09.2023	All day	<ul style="list-style-type: none"> ▪ Arrival at venue (Mendrisio/Meride) - Closest train station: Mendrisio - Closest airport: Milan Malpensa (MXP; LIMC) - We will assist you! 	-
16.09.2023	All day	<ul style="list-style-type: none"> ▪ In case of failure of previous written exams: oral make-up test (can be done later in the week) ▪ Local excursion and team building 	whole team
17.09.2023 to 22.09.2023	All day	<ul style="list-style-type: none"> ▪ Practical field work 	whole team
22.09.2023	Evening	<ul style="list-style-type: none"> ▪ Closing ceremony; delivery of certificates 	whole team
23.09.2023	Morning	<ul style="list-style-type: none"> ▪ Packing materials, closing the venue, Evaluation, wrap-up, departures not earlier than 11:00 – 12:00 	whole team

Enrolment link

<https://fc-catalogo.supsi.ch/Course/Details/1000003472>

Please apply by February 20th 2023