

Certificate of Advanced Studies in Water, Sanitation and Hygiene for humanitarian and developing contexts Academic year 2021-22 – 3rd Edition

Kick-off meeting

Date	Time (CET)	Unit title	Speaker(s)
17.03.2022	1 - 4:30 pm	<ul style="list-style-type: none"> ▪ 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)
24.03.2022	1 - 4:30 pm	<ul style="list-style-type: none"> ▪ Introduction: water quality and public health ▪ Water borne diseases ▪ Drinking Water, chemicals and Health 	Valsangiacomo Bartram
31.03.2022	1 - 4:30 pm	<ul style="list-style-type: none"> ▪ WASH during a humanitarian intervention ▪ SDG 6 ▪ WHO drinking water guidelines/ sanitary inspection of WASH facilities 	Valsangiacomo Bartram
07.04.2022	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
14.04.2022	1 - 4:30 pm	<ul style="list-style-type: none"> ▪ Management and governance related to WASH ▪ Legal/regulatory aspects and water pricing ▪ Anthropological aspects related to WASH ▪ Emergency water sources 	Valsangiacomo
21.04.2022	1 - 4:30 pm	<ul style="list-style-type: none"> ▪ Exam 	Valsangiacomo

Module 2 – Environmental Sanitation (online)

Date	Time (CET)	Unit title	Speaker(s)
28.04.2022	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
05.05.2022	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
12.05.2022	1 - 4:30 pm	<ul style="list-style-type: none"> Sanitation and public health Pathogens in WASH Climate change impacts on WASH 	Uprety
19.05.2022	1 - 4:30 pm	<ul style="list-style-type: none"> Data collection and rapid assessments Emergency sanitation Behaviour change approaches & methods 	Friedrich Harter
26.05.2022	1 - 4:30 pm	<ul style="list-style-type: none"> Exam 	Lüthi

Module 3 – Sustainable water supply (online)

Date	Time (CET)	Unit title	Speaker
02.06.2022	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
09.06.2022	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
16.06.2022	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
23.06.2022	1 - 4:30 pm	<ul style="list-style-type: none"> Water distribution networks (EPANET) Sustainable water supply: solar water supply Sustainable water supply: groundwater monitoring 	Cippà
30.06.2022	1 - 4:30 pm	<ul style="list-style-type: none"> Exam 	Milnes

Module 4 – Practical fieldwork (on site)

The practical module will take place in Mendrisio, Switzerland, on the area surrounding the new campus of the University of Applied Sciences and Arts of Southern Switzerland (SUPSI). All participants will be hosted at Ca'Stella, an historic residence situated in the beautiful and picturesque neighbourhood of Meride.

For more information, please visit: <https://castellafarm.ch/>.

Date	Time (CET)	Unit title	Speaker
30.09.2022	All day	<ul style="list-style-type: none"> ▪ Arrival at venue (Mendrisio/Meride) - Closest train station: Mendrisio - Closest airport: Milan Malpensa (MXP; LIMC) 	-
01.10.2022	All day	<ul style="list-style-type: none"> ▪ In case of failure of previous exams: oral make-up test ▪ Local excursion and team building 	whole team
02.10.2022 to 07.10.2022	All day	<ul style="list-style-type: none"> ▪ Practical field work 	whole team
08.10.2022	All day	<ul style="list-style-type: none"> ▪ Closing ceremony; delivery of certificates 	whole team

CAS-WASH registration deadline: Monday, 28 February 2022