University of Applied Sciences and Arts
of Southern Switzerland
SUPSI
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CAS-WASH Module 1

Drinking water and health (September/October 2021)

	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
08:30	Start : 11:00 Introduction to the Certificate of Advanced Studies in WASH – Course trainers and Learning goals (1.1)	Introduction to water quality and public health (1.3) Waterborne diseases (1.4) Drinking water, chemicals and health (1.5)	Interpretation of lab results (1.8) Visual inspections of WASH facilities (WHO sanitary inspections) (1.9) Use of WHO drinking water guidelines (1.10)	Components, functions & types of drinking water supplies & water treatment processes (1.13) Drinking water distribution piping systems (EPANET) (1.14)	**Exercise** WASH during a humanitarian intervention. Read and discuss the case study in groups (1.16) WASH during a humanitarian intervention Role play exercise with students & professionals (1.17)	Management and governance related to WASH (1.20) Leal/regulatory aspects and water pricing (1.21) Anthropological aspects related to WASH (1.22)	*Exam preparation time*
12:00	Lunch break	Lunch break	Lunch break	Lunch break	Lunch break	Lunch break	
13:30	**Team building** Team building & socializing event (1.2)	Laboratory analysis (theory) (1.6) **Lab work** Laboratory analysis (1.7) - FRC, turbidity, pH, small chemical-physical tests - Chemical parameters - Bacteriological parameters	Humanitarian vs. development actions in WASH (1.11) **Quiz!** Test your knowledge on water and health (1.12)	**Exercise** Water treatment and water distribution - Chlorination of large tanks - Estimation of water quantities - Water distribution (1.15)	**Exercise** Presentation of group work (1.18) Behavioural aspects related to WASH (1.19)	**Excursion** Field visit of drinking water supply and waste-water treatment plant (1.23)	*13.00 Exam Module 1* (1.24)
			Boat-ride dinner				

CAS-WASH Module 2

Environmental Sanitation (September/October 2021)

eawag aquatic research

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	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
08:30	Introduction to Module 2 Course trainers and Learning goals (2.1) Basic urban services (2.2) Service delivery chains (2.3)	Sanitation systems in context (2.7) Quiz! Test your knowledge on sanitation systems and service chains (2.8) Why do service chains fail? (2.9)	Exercise Integrated sanitation planning for an informal settlement in India (2.13)	Behaviour change & sanitation (2.16) Gender perspective and sanitation (2.17) Data collection & rapid assessments (2.18)	Emergency sanitation – Case study (2.20)	*Exam preparation time*
12:00	Lunch break	Lunch break	Lunch break	Lunch break	Lunch break	
13:30	Introduction to the Compendium (2.4) Exercise Build your own sanitation system (2.5) Review of Compendium Technologies (2.6)	Citywide inclusive sanitation (CWIS) (2.10) Community-Led Urban Environmental Sanitation (CLUES) (2.11) Innovation in urban sanitation (2.12)	Continuation of sanitation planning exercise (2.14) Working groups present their solutions to plenary (2.15)	Kobo toolbox exercise (2.19) (Politics of Sanitation Role Play)	Successful and failed sanitation case studies from Africa and Asia (2.21) Debate on key success factors (2.22)	*13.00 Exam Module 2* (2.23)
Boat-ride dinner						

Université de Neuchâtel

CAS-WASH Module 3

Sustainable water supply (September/October 2021)

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	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
08:30	Introduction to Module 3 Water supply in humanitarian and development contexts (3.1)	From resource assessment to exploration planning (3.3)	**Fieldwork (i)** From theory to application: - Groundwater exploration - Groundwater exploitation - Groundwater protection and monitoring - Water supply (3.5)	**Fieldwork (ii)** From theory to application: - Groundwater exploration - Groundwater exploitation - Groundwater protection and monitoring - Water supply (3.6)	Management of water supply projects: cost analyses, contracting, bidding (3.7)	*Exam preparation time*
12:00	Lunch break	Lunch break	Lunch break	Lunch break	Lunch break	
13:30	From hydrogeology to urban water supply Case study: resource assessment (3.2) **Exercise**	Well construction and rehabilitation (3.4)	Continuation of case study field work (3.5)	Continuation of case study field work (3.6)	Round-up case-study: Exercise and presentation of sustainable water supply strategy (3.8)	*13.00 Exam Module 3* (3.9) 15:30 CAS-WASH Closure Ceremony