



## Module 7: Water-Energy-Food nexus - Water management

Theme	Subject	Hours	Teacher
Water in agriculture, irrigation systems	Global water scenario, right to water, climate change and water security	2	D'Alessandro
	Hydrological processes	6	Gandolfi
	Analysis of irrigation systems and estimation of crop irrigation needs	8	Facchi
	The measurement of water flows and the reuse of waste water	2	Mateos
	Underground irrigation sources	2	Cancelliere
	Analysis and planning of an irrigation system in Lebanon	10	Facchi / Mayer / Masseroni / Molino Lova
	Real case for water management for agriculture in arid zones	2	Sunzini
	Water resources management in North East Bekaa, Lebanon	2	Cancelliere
Naturalistic engineering	Renewal/Conversion on a micro irrigation system (15 ha) in Shuf district, Lebanon	2	Bezzi
	Landscape protection and water stock management in and above soil	4	Bischetti
Module conclusion	Real applications of naturalistic engineering	2	Rauch
	Evaluation and feed-back	2	
	<b>Total Hours</b>	<b>44</b>	
	Standard teaching	24	
	Seminar	8	
	Workshop	10	