

2017 Spring Semester in *Water and Environmental Management*

Pedagogical contents



Topic	Course				2	L	PW	FW
Context	Water : current needs and further challenges	<u>UTEP</u>	✓			13	9	
	Cross cultural communication						12	
	Water policy and governance	<i>NGO</i>			✓	20		
	International seminars	NMSU, UTEP				9		
Theoretical and applied sciences	Surface hydrology			✓		6	15	
	Hydrogeology			✓		9	6	3
	Aquatic chemistry	<u>Uni Freiburg</u>	✓			20	3	
	Environmental biogeochemistry	UCL	✓	✓		12	12	
	Soil hydrology		✓			6	12	6
Monitoring and modelling tools	GIS applied to hydrology		✓			2	20	
	Flow and transport in groundwater		✓			12	12	
	Water quality monitoring			✓		3	16	3
Mitigation & conservation	Ecological engineering applied to water management				✓	8	6	10
	Water management across agroecosystems	Sant'Anna	✓			14	9	
	Water pollution and remediation	<i>Uni Freiburg</i>				15	2	



Invited speaker of partner university/organism :

- if underlined, module is fully taught by the invited speaker
- if in *italic* : to confirm



Practical works on professional softwares



Practical works in labs / on field

2 Excursion

L : Lectures

PC : Practical works in labs or computer classrooms

FW : Field works or excursions

List of partner university/organism

- NMSU : New Mexico State University, USA. [Link](#)
- Sant'Anna : Scuola Superiore Sant'Anna, Italy. [Link](#)
- UCL : Université Catholique de Louvain, [Link](#)
- Uni Freiburg : Universität Freiburg, Germany. [Link](#)
- UTEP : University of Texas-EI Paso, USA. [Link](#)

Please note that partner university or amount of time are susceptible to change.