





2017 Spring Semester in *Water and Environmental Management*

Pedagogical contents

Topic	Course					L	PW	FW
Context	Water : current needs and further challenges	UTEP	✓			13	9	
	Cross cultural communication						12	
	Water policy and governance	NGO			✓	20		
	International seminars	NMSU, UTEP				9		
Theoretical and applied sciences	Watershed hydrology			✓		6	15	
	Hydrogeology			✓		9	6	3
	Aquatic chemistry	Uni Freiburg	✓			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	Uni Freiburg				15	2	
	Field trip				✓			40



Invited speaker of partner university/organism :



Practical works on professional softwares



Practical works in labs / on field



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 number of hours are susceptible to change.

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