

### Syllabus MSc Water Engineering and Water Management

SEMESTER	MODULES	Number of ECTS credits	Format of the course (in hours of class lecture L, tutored work TW, personal work PW, visits V)
<b>First year M1 Semester 1 (Sept – Dec)</b>  <b>30 ECTS credits</b>	French Language and Culture	5	20L+60TW
	Sporting and visiting	2	20TW,10 V
	Mass balance and Fluid Mechanics	5	22 TW, 21PW
	Chemistry and Reactors	4	27 TW, 9 PW
	Mass Transfer and Unit Operation	4	21 TW+ 9 PW
	Environmental Management	6	57 PW
	Projects	4	15 TW+60 PW
<b>First year M1 Semester 2 (Jan – June)</b>  <b>30 ECTS credits</b>	Wastewater Treatment	7	47 TW + 17.5 PW + 8V
	Water / Wastewater analyses and Wastes	6	12 L +33 TW + 12 V
	Groundwater Pollution and soil treatment	6	16 L + 23 PW
	French Language and communication	4	40 TW
	Experimental training and Research Project	7	35 TW + 140 PW
<b>Second year M2 Semester 3 (Sept – Jan)</b>	Drinking water Production	3	20 L + 8 TW
	New resources Engineering	4	39( L + TW) + 7 PW
	Advanced hydrology (Project)	4	20 TW

<b>30 ECTS credits</b>	Urban water resources (Project)	4	20 TW
	Process design project	5	65 PW
	Professional Development (training report and internship defense)	10	140 PW
<b>Second year M2 Semester 4</b> (Feb – July)  30 ECTS credits	5-month internship in enterprise or research lab / OR / Research essay Oral defense september	30	