

Master Degree: Hydro-Agricultural Developpement

1st year

Fall Semester									
Course	Time load/Semester (15 weeks)	Weekly Time load				Coeff.	Credits	Evaluation Mode	
		Lectures	DW	PW	Other			Continuous	Exam
Hydraulics I	67h30	1h30	1h30	1h30	82h30	3	6	40%	60%
Irrigation Systems and Calculation Bases	67h30	1h30	1h30	1h30	82h30	3	6	40%	60%
Applied Hydrology	67h30	1h30	1h30	1h30	82h30	3	6	40%	60%
Pedology and Soil Development	60h	1h30	1h	1h30	90h	3	5	40%	60%
Soil Tillage and Conservation Agriculture	45h	1h30	1h30	-	30h	2	4	40%	60%
Water and Climate Change	45h	1h30	1h30	-	37h30	2	2	40%	60%
Communication	22h30	1h30	-	-	37h30	1	1		100%
Total	375h	13h30	08h30	04h30	375h	17	30		

Spring Semester									
Course	Time load/Semester (15 weeks)	Weekly Time load				Coeff.	Credits	Evaluation Mode	
		Lectures	DW	PW	Others			Continuous	Exam
Hydraulics II	67h30	1h30	1h30	1h30	82h30	3	6	40%	60%
Agricultural Drainage and Dimensioning	67h30	3h	1h30		82h30	3	6	40%	60%
Water Quality in Agriculture	67h30	1h30	1h30	1h30	82h30	3	6	40%	60%
Geostatistics	45h	1h30	1h30		30h	2	3	40%	60%
Geographic Information System and Remote Sensing	37h30	1h30	-	1h	37h30	2	3	40%	60%
Applied Statistics and Data Analysis	45h	1h30	1h30	-	52h30	1	3	40%	60%
English	45h	1h30	-	1h30	37h30	1	2	40%	60%
Legislation	22h30	1h30	-	-	37h30	1	1		100%
Total	375h	13h30	07h30	05h30	375h	17	30		

2nd year

Course	Time load/Semester (15 weeks)	Weekly Time load				Coeff.	Credits	Evaluation Mode	
		Lectures	DW	PW	Others			Continuous	Exam
Pumping station	67h30	03h	1h30		82h30	3	6	40%	60%
control and automation of irrigation	67h30	1h30	1h30	1h30	82h30	3	6	40%	60%
Valorization of non-conventional waters in agriculture	67h30	1h30	1h30	1h30	82h30	3	6	40%	60%
Soil degradation	60h	1h30	1h30	1h	90h	3	5	40%	60%
Maintenance and rehabilitation of networks	45h	3h	-	-	60h	2	4	40%	60%
Technical English	45h	1h30	1h30	-	37h30	2	2	40%	60%
Entrepreneurship	22h30	1h30	-	-	37h30	1	1		100%
Total	375h	13h30	07h30	04h	375h	17	30		

Spring Semester			
Activity	Time load	Coeff	Credits
Individual Work			
Intership			
Other (dissertation)	750h	15	30
Total	750h	15	30

Internship in a company culminating in a thesis and defense.