

M.Sc. in Integrated Water Resources Management

Code	Title	Credits	Option
First Semester			
AE 5103	Hydrology and Meteorology	3	Compulsory
AE 5105	Water and Society	2	Compulsory
AE 5107	Water Quality for Agriculture and Environment	2	Compulsory
EC 5108	Water Resources Economics I	2	Compulsory
AE 5101	Water for Agriculture	2	Elective
AE 5109	Soil Mechanics	2	Elective
AE 5119	Water and Industry	2	Elective
EC 5107	Project Analysis	2	Elective
ST 5106	Computer Programming	2	Elective
Second Semester			
AE 5210	Health, Sanitation and Wastewater Management	2	Compulsory
AE 5202	Water Application Systems	2	Elective
AE 5206	Fluid Mechanics	2	Elective
AE 5209	GIS for Natural Resources Management	2	Elective
AE 5211	Hydraulics of Erosion and Sediment Transport	2	Elective
AE 5212	Water Supply	2	Elective
AE 6104	Interdisciplinary Field Research Methodology	3	Elective
AE 6105	Gender in IWRM	2	Elective
EC 5208	Water Resource Economics II	2	Elective
Second Year First Semester			
AE 5151	River Basing Planning & Management	2	Compulsory
AE 5152	Environmental Impact Assessment	2	Compulsory
AE 5198	Directed study and Seminar	2	Compulsory
AE 6101	Advanced Irrigation Water Management	2	Compulsory
AE 5108	Groundwater Development	2	Elective
AE 5154	Application of Remote Sensing in Agriculture	2	Elective
AE 5155	Financing Water Development	2	Elective
AE 6102	Advanced GIS and Geo-informatics	2	Elective
AE 6103	Modeling Hydrological Systems	1	Elective