SCHEME OF STUDIES
DEPARTMENT IRRIGATION AND DRAINAGE
Ph.D./ M.Sc. (Hons.) AGRICULTURAL ENGINEERING AND WATER RESOURCE ENGINEERING

Existing			Proposed		
2021-2022			2022-2023 onward		
Course No.	Course Title	Credit Hours	Course No.	Course Title	Credit Hours
ID-701	Computational Methods in Water Resources Engineering	3(3-0)	ID-701	Computational Methods in Water Resources Engineering	3(3-0)
ID-702	Advanced Open Channel Hydraulics	3(2-1)	ID-702	Advanced Open Channel Hydraulics	3(2-1)
ID-703	Advanced Hydrology	3(2-1)	ID-703	Advanced Hydrology	3(2-1)
ID-704	Advanced Ground Water Hydrology	3(2-1)	ID-704	Groundwater Hydrological Processes and Modeling	3(2-1)
ID-705	Groundwater Modeling	3(2-1)	ID-705	Dams and Reservoir Engineering	3(3-0)
ID-706	Advanced Drainage Engineering	3(2-1)	ID-706	Drainage Systems Engineering	3(2-1)
ID-707	Resource Conservation Engineering	3(3-0)	ID-707	Resource Conservation Engineering	3(3-0)
ID-708	Planning and Design of Irrigation systems	3(2-1)	ID-708	Modeling and Design of Irrigation Systems	3(2-1)
ID -709	Irrigation Scheduling	3(2-1)	ID-709	Irrigation Scheduling	3(2-1)
ID-710	Surface Irrigation Modeling	3(3-0)	ID-710	Integrated Flood Management	3(2-1)
ID-711	System Analysis for Integrated Water Resources Engineering	3(2-1)	ID-711	Hydropower Engineering	3(3-0)
ID-712	Remote Sensing and GIS for Water Resources Management	3(2-1)	ID-712	Remote Sensing and GIS for Water Resources Management	3(2-1)
ID-713	Design of Hydraulic Structures	3(3-0)	ID-713	Design of Hydraulic Structures	3(3-0)
ID-714	Water Quality Management	3(2-1)	ID-714	Water Quality Management	3(2-1)
ID-715	River Engineering	3(3-0)	ID-715	River Engineering	3(3-0)
ID-716	Water Resources Management	3(3-0)	ID-716	Water Resources Management	3(3-0)
ID-717	Climate Change and Water Resources	3(2-1)	ID-717	Climate Change and Water Resources	3(2-1)
ID-718	Watershed Management	3(2-1)	ID-718	Watershed Management	3(2-1)
ID-719	SPECIAL PROBLEM	1(1-0)	ID-719	SPECIAL PROBLEM	1(1-0)
ID-720	SEMINAR	1(1-0)	ID-720	SEMINAR	1(1-0)