

Scheme of Studies for BSc. (Hons) Agriculture- Water Management

Course No.	Course Title	Credit Hrs
FIRST SEMESTER		
Agr-301	Basic Agriculture	3(2-1)
Hort-301	Introductory Horticulture	3(2-1)
AgCh-301	Introduction to Agricultural Chemistry	3(2-1)
FST-301	Introduction to Food Science & Technology	3(2-1)
AEE-301	Introduction to Agriculture Extension Education	3(3-0)
BOT-301	Introduction to Botany or	3(2-1)
Maths-301	Math-I	3(3-0)
Eng-301	English-I	3(3-0)
	Sub-total:	21
SECOND SEMESTER		
PBG-311	Introductory Genetics	3(2-1)
RD-311	Introduction to Rural Development	3(3-0)
AgEc-311	Introduction to Economics & Agricultural Economics	3(3-0)
AgM-311	Engineering Applications to Agriculture	3(2-1)
ENT-311	Zoology or	3(2-1)
Math-311	Math-II	3(3-0)
IT-311	Introduction to Information and Communication Technologies	3(2-1)
ISES-311	Islamic Studies or Ethics (for Non-Muslims students)	2(2-0)
	Sub-total:	20
THIRD SEMESTER		
WS-401	Introduction to Weed Science	3(2-1)
PBG-401	Introductory Plant Breeding	3(2-1)
Ento-401	Introductory Entomology	3(2-1)
HN-401	Introduction to Human Nutrition	3(2-1)
Stat-401	Statistics-I	3(2-1)
RS-401	Introduction to Rural Sociology	3(3-0)
PakS-401	Pakistan Studies	2(2-0)
	Sub-total:	20
FOURTH SEMESTER		
SES-411	Introduction to Soil & Environmental Science	3(2-1)
WM-401	Fundamentals of Water Management	3(2-1)
Eng-411	English-II	3(3-0)
Agr-411	General Crop Production	3(2-1)
PPL-411	Introduction to Plant Pathology	3(2-1)
Stat-411	Statistics-II	3(2-1)
PPR-411	Introductory Plant Protection	3(2-1)
	Sub-total:	21
FIFTH SEMESTER		

WM-502	Soil-Water-Plant Relations	3 (2-1)
WM-503	Hydraulics	3 (2-1)
WM-504	Surveying and Leveling	3 (2-1)
WM-505	Hydrology	3 (2-1)
WM-506	Indus Basin Water Management	3 (3-0)
	Sub-total:	15
SIXTH SEMESTER		
WM- 507	Irrigation Water Quality	3 (2-1)
WM- 508	Water Wells and Pumps	3 (2-1)
WM-509	Surface Irrigation Methods	3 (2-1)
WM-510	GIS and Its Applications	3 (2-1)
WM-511	Agrometeorology	3 (2-1)
	Sub-total:	15
SEVENTH SEMESTER		
WM-612	Irrigation Scheduling	3 (2-1)
WM-613	Participatory Water Management	3 (3-0)
WM-614	Economics of Water Resources	3 (3-0)
WM-615	Water Supply and Sanitation	3 (2-1)
WM-616	Pressurized Irrigation	3 (2-1)
	Sub-total:	15
EIGHTH SEMESTER		
WM-617	Agricultural Drainage	3 (2-1)
WM-618	Irrigation Scheme Development	3 (1-2)
WM-619	Watershed Management	3 (2-1)
WM-620	Project/Internship	4 (0-4)
	Sub-total:	13
	TOTAL	140