

Scheme of Studies BS Forestry (4 years degree program)

1st Semester			
Course No.	Title of Course	Credit Hour	Remarks
AGR-301	BASIC AGRICULTURE	3(1-2)	Allied
FRW-301	INTRODUCTION TO FORESTRY	3(2-1)	Major
FRW-303	FUNDAMENTALS OF FOREST GENETICS AND BIO-TECHNOLOGY	2(1-1)	Allied
FRW-305	ORIENTATION TOUR	1(0-1)	Major
CS-305	APPLICATION OF INFORMATION TECHNOLOGY AND COMMUNICATION TECHNOLOGIES	3(2-1)	GE
BIO-301/ MATH-301	ESSENTIALS OF BIOLOGY (FOR PRE ENGG.)	3(2-1)	GE
	ELEMENTARY MATHEMATICS (FOR PRE MED.)	3(3-0)	
ENG-313	FUNCTIONAL ENGLISH	3(3-0)	GE
IS-401 /SSH-306	ISLAMIC STUDIES/ETHICS	2(2-0)	GE
TGM-301	TUTORIAL GROUP MEETING FOR SOFT SKILLS	NCC	Compulsory
		20	
2nd Semester			
FRW-302	RANGELAND ECOLOGY	2(1-1)	Major
FRW-304	BASICS OF WILDLIFE MANAGEMENT	2(1-1)	Major
FRW-306	FOREST ECONOMICS AND ENTERPRENURESHIP	3(3-0)	GE
FRW-308	GEOGRAPHIC INFORMATION SYSTEM AND REMOTE SENSING	2(1-1)	GE
SSH-303	IDEOLOGY AND CONSTITUTION OF PAKISTAN	2(2-0)	GE
ENT-302	FUNDAMENTALS OF ENTOMOLOGY	3(2-1)	Allied
ENG-314	EXPOSITORY WRITING	3(3-0)	GE
EDU-306	CIVICS AND COMMUNITY ENGAGEMENT	2(2-0)	GE
TGM-302	TUTORIAL GROUP MEETING FOR SOFT SKILLS	NCC	Compulsory
		19	
3rd Semester			
FRW-403	BASICS OF SILVICULTURE	3(2-1)	Major
FRW-405	NON WOOD FOREST RESOURCES	3(2-1)	Major
FRW-407	ECOTOURISM AND PARK MANAGEMENT	2(1-1)	Major
FRW-409	FOREST PATHOLOGY	3(2-1)	Allied
SS-401	SOIL SCIENCE	3(2-1)	Allied
SEE-421	INTRODUCTION TO FOREST ENGINEERING	3(2-1)	Allied
Math-408	QUANTITATIVE REASONING-I	3(3-0)	GE
IS-402 SSH-403	QURAN TRANSLATION/ INTERFAITH HARMONY (NCC)	1(1-0)	Compulsory
TGM-401	TUTORIAL GROUP MEETING FOR SOFT SKILLS	NCC	Compulsory

		20	
4thSemester			
FRW-404	PRINCIPLES OF AGRO-FORESTRY	2(1-1)	Major
FRW-406	FUNDAMENTALS OF RANGE SCIENCE	3(2-1)	Major
FRW-408	FOREST ACCOUNTSAND PROCEDURES	2(2-0)	Major
FRW-410	FOREST TAXONOMY	2(1-1)	Allied
FRW-412	FORESTRY EXTENSION	2(1-1)	GE
FRW-414	STUDY TOUR (FOREST TYPES)	1(0-1)	Major
RS-409	RURAL SOCIOLOGY AND DEVELOPMENT	2(2-0)	GE
STAT-408	QUANTITATIVE REASONING-II	3(3-0)	GE
HE-407	ART, CRAFT AND CALLIGRAPHY	2(1-1)	GE
IS-403	ROHANIAT/ MORAL PHILOSOPHY	1(1-0) NC	Compulsory
TGM-402	TUTORIAL GROUP MEETING FOR SOFT SKILLS	NCC	Compulsory
		19	
5thSemester			
FRW-501	APPLIED ECOLOGY AND SILVICULTURE	3(2-1)	Major
FRW-503	FORAGE PRODUCTION IN RANGELANDS	3(2-1)	Major
FRW-505	SOCIAL FORESTRY SYSTEMS	3(2-1)	Major
FRW-507	HYDROLOGY AND WATERSHED CONSERVATION	3(2-1)	Major
FRW-509	URBAN FORESTRY AND LANDSCAPE DESIGN	2(1-1)	Major
FRW-511	WILDLIFE OF PAKISTAN	3(2-1)	Major
FRW-513	FUNDAMENTALS OF FOREST MANAGEMENT	3(3-0)	Major
TGM-501	TUTORIAL GROUP MEETING FOR SOFT SKILLS	NCC	Compulsory
		20	
6thSemester			
FRW-502	FOREST HARVESTING AND UTILIZATION	3(2-1)	Major
FRW-504	MOUNTAIN FORESTRY AND WATERSHED	3(2-1)	Major
FRW-506	FOREST BIOMETRICS	3(2-1)	Major
FRW-508	NURSERY RAISING TECHNIQUES	3(2-1)	Major
FRW-510	INTEGRATED MANAGEMENT OF DEGRADED	3(2-1)	Major
FRW-512	COMMERCIAL WILDLIFE FARMING	2(1-1)	Major
FRW-514	CLIMATE CHANGE AND CLEAN DEVELOPMENT MECHANISM	3(2-1)	Major
TGM-502	TUTORIAL GROUP MEETING FOR SOFT SKILLS	NCC	Compulsory
		20	
7thSemester			
FRW-601	WOOD SCIENCE AND TECHNOLOGY	3(2-1)	Major
FRW-603	FOREST/RANGE/WILDLIFE POLICIES AND LAWS	3(3-0)	Major
FRW-605	RANGE LIVESTOCK NUTRITION	2(0-2)	Major
FRW-607	BIODIVERSITY AND ENVIRONMENT	3(2-1)	Major

FRW-609	PREPARATION OF FOREST MANAGEMENT PLAN	3(0-3)	Major
FRW-611	PREPARATION OF RESEARCH PROJECT AND SCIENTIFIC WRITING	3(2-1)	Major
FRW-613	DESERTIFICATION AND ITS CONTROL	3(2-1)	Elective Major
FRW-615	BIOLOGICAL DATA SCIENCE	3(1-2)	Elective Major
TGM-601	TUTORIAL GROUP MEETING FOR SOFT SKILLS	NCC	Compulsory
		20	
8thSemester			
FRW-602	INTERNSHIP	3(0-3)	Major
FRW-604	CAPSTONE PROJECT	3(0-3)	Major
		6	
Total		144 Cr Hr.	