

BS Botany

Semester 1

BOT-301 Diversity of Plants 4(3-1)

ENG-321 Functional English 3(3-0)

PST-321 Pakistan Studies 2(2-0)

MTH-321 Mathematics-I 3(3-0)

ZOL-301 Zoology-I Principals in animal life-I 3(2-1)

CHM-301 Physical Chemistry-I 3(2-1)

Semester 2

BOT-302 Systematic, Anatomy and Development 4(3-1)

ENG-322 English Comprehension & Composition 3(3-0)

ISL-321 Islamic Studies / Ethics 2(2-0)

ZOL-302 Zoology-I Principals in animal life-II 3(2-1)

CHM-302 Inorganic Chemistry-II 3(2-1)

BNB-322 Optional (Bioinformatics) 3(2-1)

Semester 3

BOT-401 Cell Biology, Genetics and Evolution 4(3-1)

ENG-421	Communication Skills	3(3-0)
CSI-321	Introduction to Computing Applications	3(3-0)
ZOL-401	Zoology-III Animal diversity-1	3(2-1)
CHM-401	Organic Chemistry - I	3(2-1)
Semester 4		
BOT-402	Plant Physiology and Ecology	4(3-1)
BOT-404	Biodiversity and Conservation	4(3-1)
STA-321	Introduction to Statistics Theory	3(2-1)
ZOL-402	General-VII (Zoology-IV Animal diversity-2)	3(2-1)
CHM-402	General- VIII (Chemistry special topics)	3(2-1)
Semester 5		
BOT-501	Bacteriology and Virology	3(2-1)
BOT-503	Phycology and Bryology	3(2-1)
BOT-505	Mycology and Plant Pathology	3(2-1)
BOT-507	Diversity of Vascular Plants	3(2-1)
BOT-509	Plant Systematics	3(2-1)
BOT-511	Anatomy of Vascular Plants	3(2-1)

Semester 6

BOT-502	Genetics-I	3(2-1)
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BOT-504	Plant Biochemistry-I	3(2-1)
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BOT-506	Plant Ecology-I	3(2-1)
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BOT-508	Plant Physiology-I	3(2-1)
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BOT-510	Molecular Biology	3(2-1)
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POL-406	Introduction to International Relations	3(3-0)
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Semester 7

BOT-601	Plant Biochemistry-II	3(2-1)
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BOT-603	Plant Ecology-II	3(2-1)
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BOT-605	Plant Physiology-II	3(2-1)
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BOT-607	Genetics-II	3(2-1)
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ENG-611	English for Employment	3(3-0)
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BOT-609	Lab Techniques	2(1-1)
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Semester 8

BOT-602	Environmental Biology	3(2-1)
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BOT-604	Special Course* (Phytohormones)	3(2-1)
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BOT-606	Special Course* (Plant Metabolism)	3(2-1)
BOT-608	Special Course* (Plant Tissue Culture)	3(2-1)
BOT-610	Special Course* (Plant Stress Physiology)	3(2-1)
BOT-612	Special Course* (Nitrogen Assimilation & Metabolism)	3(2-1)
BOT-614	Special Course* (Plant Bio-informatics)	3(2-1)
BOT-630	Thesis	6(0-6)
