

**MINUTES OF THE 6<sup>TH</sup> MEETING OF THE BOARD OF STUDIES  
DEPARTMENT OF BOTANY HELD ON 22-10-2024 AT 11:00 A.M.**

The 6<sup>th</sup> meeting of the Board of Studies, Department of Botany SBBU was held on 22-10-2024 at 11:00 a.m. in the Office of the HOD, Department of Botany SBBU Sheringal Dir Upper. The meeting was started with recitation from of Holy Quran by Dr. Khan Sher, Chairman Department of Botany. The HoD welcomed the members/participants and thanked for their timely participation in the meeting. The following attended the meeting online/physically.

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|---|------------------------|
| 1. Dr. Muhammad Riaz, Director Admission and Teaching                   | Convener/Meeting Chair |
| 2. Dr. Khan Sher, Head of Department                                    | By virtue of Chair     |
| 3. Prof. Dr. Muhammad Nisar, University of Malakand                     | Member                 |
| 4. Dr. Asad Ullah, Assistant Professor, University of Peshawar          | Member                 |
| 5. Dr. Imran Ahmad, Lecturer, Department of Botany, SBBU                | Member                 |
| 6. Dr. Faiz Ali, Lecturer, Department of Botany, SBBU                   | Member                 |
| 7. Dr. Imran Khan, Assistant Professor, Department of Botany, SBBU      | Member                 |
| 8. Mr. Mazhar Iqbal, Lecturer, Department of Botany, Wari Campus member |                        |

**Annex-2**

**Revised scheme of studies for the Department of Botany in Accordance with HEC new Under Graduate Education Policy-2024: Effective from Fall-2024 onward**

**SCHEME OF STUDIES (1-8 SEMESTERS) FOR BS / ASSOCIATE DEGREE IN BOTANY**

Sr. No.	Code #	Category	Title	Credit Hrs	MARKS DISTRIBUTION				Credits
					Int	Mid	Fin	Pr	
<b>1<sup>ST</sup> YEAR</b>									
<b>SEMESTER-1</b>									
					Int	Mid	Fin	Pr	
1	Bot-311	Major	Cell Biology	3 (2+1)	20	20	40	20	18
2	Bot-312	Major	Diversity of Plants	3 (2+1)	20	20	40	20	
3	ENV-133	General Education	Introduction to Environmental Science (*)	3 (2+1)	20	20	40	20	
4	MGC-112	General Education	Quantitative Reasoning-I	3 (3-0)	20	20	60		
5	ENG-101	General Education	Functional English	3 (3-0)	20	20	60		
6	CS-132	General Education	Applications of Information & Communication Technologies (ICT)	3(2+1)	20	20	40	20	

SEMESTER-2									
7	Bot-321	Major	Fundamentals of Plant Taxonomy	3 (2+1)	20	20	40	20	18
8	Bot-322	Interdisciplinary	Biodiversity & Conservation	3 (2+1)	20	20	40	20	
9	Bot-323	Interdisciplinary	Fundamentals of Genetics & Evolution	3 (2+1)	20	20	40	20	
10	SOC-139	General Education	Social Change and Development in Pakistan (**)	2 (2-0)	10	10	30	0	
11	MGC-113	General Education	Quantitative reasoning-II	3 (3-0)	20	20	60	0	
12	ENG-102	General Education	Expository Writing	3 (3-0)	20	20	60	0	
2 <sup>ND</sup> YEAR									
SEMESTER-3									
13	Bot-431	Major	Phycology & Bryology	3 (2+1)	20	20	40	20	15
14	Bot-432	Major	Mycology	3 (2+1)	20	20	40	20	
15	Bot-433	Major	Plant Anatomy & Embryology	3 (2+1)	20	20	40	20	
16	PS-108	General Education	Islamic History and Culture	2 (2-0)	10	10	30	0	
17	ISL-103	General Education	Islamic Studies (Ethics for non-Muslim students)	2 (2-0)	10	10	30	0	
18	PS-135	General Education	Ideology & Constitution of Pakistan	2 (2-0)	10	10	30	0	
SEMESTER-4									
19	Bot-441	Major	Phytogeography	3 (2+1)	20	20	40	20	18
20	Bot-442	Major	Principles of Plant Ecology	3 (2+1)	20	20	40	20	
21	Bot-443	Major	Principles of Plant Biochemistry	3 (2+1)	20	20	40	20	
22	Bot-444	Major	Fundamentals of Plant Physiology	3 (2+1)	20	20	40	20	
23	PS-425	General Education	Civics & Community Engagement	2 (2-0)	10	10	30	0	
24	GE-441	General Education	Entrepreneurship	2 (2-0)	10	10	30	0	
25	PS-325	Compulsory	Pakistan studies	2 (2-0)	10	10	30	0	
3 <sup>RD</sup> YEAR									
SEMESTER-5									
26	Bot-551	Interdisciplinary	Microbial Botany	3 (2+1)	20	20	40	20	18
27	Bot-552	Major	Advanced Plant Biochemistry	3 (2+1)	20	20	40	20	
28	Bot-553	Major	Advanced Plant Physiology	3 (2+1)	20	20	40	20	
29	Bot-554	Major	Advanced Plant Ecology	3 (2+1)	20	20	40	20	
30	Bot-555	Major	Pteridophytes & Gymnosperms	3 (2+1)	20	20	40	20	
31	GEN-116	Interdisciplinary	Biostatistics	3 (2+1)	20	20	40	20	
SEMESTER-6									
32	Bot-561	Major	Systematics of Angiosperms	3 (2+1)	20	20	40	20	18
33	Bot-562	Major	Plant Pathology	3 (2+1)	20	20	40	20	
34	Bot-563	Interdisciplinary	Molecular Genetics	3 (2+1)	20	20	40	20	
35	Bot-564	Interdisciplinary	Sustainable Development Goals	3 (2+1)	20	20	40	20	
36	Bot-565	Interdisciplinary	Artificial Intelligence (AI) in Botany	3 (2+1)	20	20	40	20	
37	Bot-566	Major	Bacteriology and Virology	3 (2+1)	20	20	40	20	
4 <sup>TH</sup> YEAR									
SEMESTER-7									
38	Bot-671	Major	Analytical Techniques in Botany	3 (2+1)	20	20	40	20	18

39	Bot-672	Major	Field Botany	3 (2+1)	20	20	40	20	
40	Bot-673	Major	Forensic Botany	3 (2+1)	20	20	40	20	
41	Bot-674	Interdisciplinary	Scientific Inquiry & Research Methods	3 (2+1)	20	20	40	20	
42	Bot-675	Major	Plant Breeding and Genetics	3 (2+1)	20	20	40	20	
43	Bot-676	Major	Internship	3 (3+0)			100		
<b>SEMESTER-8</b>									
43	Bot-681	Major	Plant Biotechnology	3 (2+1)	20	20	40	20	15
44	Bot-682	Major	Economic & Industrial Botany	3 (3-0)	20	20	40	20	
45	Bot-683	Major	Evolutionary Trends in Plants	3 (2+1)	20	20	40	20	
46	Bot-684	Major	Plant breeding and Tissue culture	3 (2+1)	20	20	40	20	
47	Bot-684	Capstone	Capstone Project	3 (3+0)					
Total Credit Hours									137

(\*) Environmental Chemistry

(\*\*) Introduction to Sociology

Subject with steric depends on the availability of resource person

Category	I	II	III	IV	V	VI	VII	VIII	CHR
General Courses	12	09	06	06	00	00	00	00	33
Inter dis. Course	00	06	00	00	06	09	3	00	24
Major Courses	06	03	09	12	12	09	09	12	72
Field Experience	00	00	00	00	00	00	03	00	03
Capstone Project	00	00	00	00	00	00	00	03	03
Semester-wise CHR	18	18	15	18	18	18	15	15	137

Course contents are given in the HEC curriculum

## Annex-3

Revised scheme of studies for AD in the Department of Botany in Accordance with HEC new Under Graduate Education Policy-2024: Effective from Fall-2024 onward

Semester 5 to 8 will be followed as such for AD in Botany.