

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

Annexure-III

The board unanimously recommended the Associate Degree (AD) Two Year in Botany as per HEC's new policy for approval, with the following details.

Program Title: Associate Degree (AD) in Botany

Program Duration: 2 years (4 semesters)

Total Credit Hours: 66-72 credits

Eligibility criteria

Intermediate (FSc) in Pre-Medical or Pre-Engineering with a minimum of 45% marks OR

Equivalent foreign qualification with a minimum of 45% marks

Additionally, the HEC has also specified the following requirements:

Course Structure

Total credit hours: 69

Courses of BS (4-Year) from 1st to 4th Semesters will be taught in the AD (2-Year) Botany Program.

Table 1 Scheme of studies for associate degree program in Botany , SBBU

No.	Code #	Category	Title	Credit Hrs	MARKS DISTRIBUTION				Credit
1ST YEAR									
SEMESTER-1									
					Int	Md	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 ¹	ENV-133	General Education	Introduction to Environmental Science (*)	3 (2+1)	20	20	40	20	
4 ²	MGC-112	General Education	Quantitative Reasoning-I	3 (3-0)	20	20	60		
5 ³	ENG-101	General Education	Functional English	3 (3-0)	20	20	60		
6 ⁴	CS-132	General Education	Applications of Information & Communication Technologies (ICT)	3(2+1)	20	20	40	20	

¹ The approved course contents, along with their related objectives, will be taught in accordance with HEC criteria

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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 ⁵	SOC-139	General Education	Social Change and development in Pakistan (**)	3 (3-0)	10	10	30	0	
11 ⁶	MGC-113	General Education	Quantitative reasoning-II	3 (3-0)	20	20	60	0	
12 ⁷	ENG-102	General Education	Expository Writing	3 (3-0)	20	20	60	0	
2ND 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 ⁸	PS-108	General Education	Islamic History and Culture	2 (2-0)	10	10	30	0	
17 ⁹	ISL-103	General Education	Islamic Studies / Ethics for non-Muslim students	2 (2-0)	10	10	30	0	
18 ¹⁰	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	

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23 ¹¹	PS-425	General Education	Civics & Community Engagement	2 (2-0)	10	10	30	0
24 ¹²	GE-441	General Education	Entrepreneurship	2 (2-0)	10	10	30	0
25 ¹³	PS-325	Compulsory	Pakistan studies	2 (2-0)	10	10	30	0

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