



### List of Programme(s)

**Department:**

#### **List of Programmes having Components of field**

Sr. No.	Programme Code	Programme Name	Academic Year
01.	103	B. Sc. Botany	2020-2021
02.			
03.			



Minutes of Meetings (MoM) of Board of Studies (BoS)

School : *School of Studies of Life Science*

Department : *Botany*

Date and Time : *May 26, 2019 - 11:30 AM*

Venue : *E-Class Room*

  
Head  
विभाग  
Department of Botany  
गुरु घासीदास विश्वविद्यालय (केन्द्रीय वि.वि.), बिलासपुर (छ.ग.)  
Guru Ghasidas Vishwavidyalaya (A Central University), Bilaspur (C.G.)

Signature & Seal of HoD

**गुरु घासीदास विश्वविद्यालय**  
(केन्द्रीय विश्वविद्यालय अधिनियम 2009 क्र. 25 के अंतर्गत स्थापित केन्द्रीय विश्वविद्यालय)  
कोनी, बिलासपुर - 495009 (छ.ग.)



**Guru Ghasidas Vishwavidyalaya**  
(A Central University Established by the Central Universities Act 2009 No. 25 of 2009)  
Koni, Bilaspur - 495009 (C.G.)

## Scheme

# GURU GHASIDAS VISHWAVIDYALAYA

(A central University)

**Bilaspur (CG)**



**Syllabus**

for

**B.Sc. BOTANY HONOURS**

based on

**CHOICE BASED CREDIT SYSTEM**

**(Three year/six semesters)**

To be implemented from the academic session 2018-2019

**Department of Botany**

School of Life Science

**GURU GHASIDAS VISHWAVIDYALAYA**

**Koni, Bilaspur (CG)**



**SCHOOL OF SCIENCES: (LIFE SCIENCE)**  
**B.Sc. (BOTANY) Hon's**

SEMESTER I								
Semester	Course Opted	Course Code	Name of the course	Credit	Hour / week	End semester marks	Internal Marks	Total marks
Semester I	Core-1	LS/BOT/C-101L	Phycology and Microbiology	4	4	35	15	50
	Core-1 Practical	LS/BOT/C-101P	Practical based on core 1	2	4	35	15	50
	Core-2	LS/BOT/C-102L	Bio-molecules and cell Biology	4	4	35	15	50
	Core-2 Practical	LS/BOT/C-102P	Practical based on core 2	2	4	35	15	50
	Generic Elective-1 (GE- 1)	LS/BOT/GE-101L	Opted from the basket	4	4	35	15	50
	Generic Elective-1 Practical	LS/BOT/GE-101P	Practical based on GE-1	2	4	35	15	50
	Ability Enhancement Compulsory Course-1 (AECC)	LS/BOT/AE-101EC	English Communication	4*	4	35	15	50
	ECA	LS/BOT/ECA-101	ECA-Extracurricular activity/ Tour, Field visit/ Industrial training/ NSS/ Swachhta/ vocational Training/ Sports/ others	2	(2)	35	15	50
			TOTAL		24	28		
SEMESTER II								
Semester II	Core-3	LS/BOT/C-203L	Mycology and Phytopathology	4	4	35	15	50
	Core-3 Practical	LS/BOT/C-203P	Practical based on core 3	2	4	35	15	50



	Core- 4	LS/BOT/C-204L	Archegoniate	4	4	35	15	50
	Core- 4 Practical	LS/BOT/C-204P	Practical based on core 4	2	4	35	15	50
	Generic Elective-2 (GE-1B)	LS/BOT/GE-202L	Elective from the Basket	4	4	35	15	50
	Generic Elective-2- Practical	LS/BOT/GE-202P	Practical based on GE-2	2	4	35	15	50
	Ability Enhancement Compulsory Course-2 (AECC)	LS/BOT/AE-202-ES	Environmental Science	4*	4	35	15	50
	ECA		ECA-Extracurricular activity/ Tour, Field visit/ Industrial training/ NSS/ Swachhta/ vocational Training/ Sports/ others	2	(2)	35	15	50
			Total	24	28			400
<b>SUMMER Internship: 15 days</b>								
	LS/BOT/SI-201	Swayam/ Swachhta / NSS / Industrial/ others		2	100	35	15	50
<b>SEMESTER III</b>								
<b>Semester III</b>	Core- 5	LS/BOT/C-305L	Anatomy of Angiosperm	4	4	35	15	50
	Core- 5 Practical	LS/BOT/CP-305P	Practical based on core 5	2	4	35	15	50
	Core- 6	LS/BOT/C-306L	Economic Botany	4	4	35	15	50
	Core- 6 Practical	LS/BOT/CP-306P	Practical based on core 6	2	4	35	15	50
	Core- 7	LS/BOT/C-307L	Genetics	4	4	35	15	50
	Core- 7 Practical	LS/BOT/CP-307P	Practical based on core 7	2	4	35	15	50



	Generic Elective-3 (GEII-A)	LS/BOT/GE-303L	Elective from the Basket	4	4	35	15	50
	Generic Elective-3-Practical	LS/BOT/GEP-303P	Practical based on GE-3	2	4	35	15	50
	Skill Enhancement Course (SEC-1)	LS/BOT/SEC-301L	From the Basket	2	2	35	15	50
	Skill Enhancement Course (SEC-1) practical/Training/field visit	LS/BOT/SEC-301P	Based on the selected course	2	2	35	15	50
			Total	28	34			500
<b>SEMESTER IV</b>								
Semester IV	Core-8	LS/BOT/C-408L	Molecular Biology	4	4	35	15	50
	Core-8 Practical	LS/BOT/C-408P	Practical based on core 8	2	4	35	15	50
	Core-9	LS/BOT/C-409L	Plant Ecology and Phytogeography	4	4	35	15	50
	Core-9 Practical	LS/BOT/C-409P	Practical based on core 9	2	4	35	15	50
	Core-10	LS/BOT/C-410L	Plant Systematics	4	4	35	15	50
	Core-10 Practical	LS/BOT/C-410P	Practical based on core 10	2	4	35	15	50
	Generic Elective-4 (GEII-B)	LS/BOT/GE-404L	Elective from the Basket	4	4	35	15	50
	Generic Elective-4-Practical	LS/BOT/GE-404P	Practical based on GE-3	4	4	35	15	50
	Skill Enhancement Course (SEC-2)	LS/BOT/SEC-402L	From the SEC basket	2	2	35	15	50





	Skill Enhancement Course (SEC-2) practical/Training/field visit	LS/BOT/SEC-402P	Based on the selected SEC course	2	2	35	15	50
			TOTAL	28	34			500
<b>SUMMER Internship: 15 days</b>								
	<b>SUMMER Internship: 15 days</b>	LS/BOT/SI-402	Swayam Swachhta / NSS / Industrial/ others	2	100	35	15	50
<b>SEMESTER V</b>								
<b>Semester V</b>	Core-11	LS/BOT/C-511L	Reproductive Biology of Angiosperm	4	4	35	15	50
	Core -11 Practical	LS/BOT/CP-511P	Practical based on core 11	2	4	35	15	50
	Core -12	LS/BOT/C-512L	Plant Physiology	4	4	35	15	50
	Core -12 Practical	LS/BOT/CP-512P	Practical based on core 12	2	4	35	15	50
	Discipline Specific Elective (DSE-1)	LS/BOT/DSE-501AL LS/BOT/DSE-501BL	A) Analytical Technique in Plant Science B) Natural Resource Management	4	4	35	15	50
	DSE-1 - Practical	LS/BOT/DSE-501AP LS/BOT/DSE-501BP	Practical based on DSE-1	2	4	35	15	50
	Discipline Specific Elective (DSE-2)	LS/BOT/DSE-502AL LS/BOT/DSE-502BL	A) Biostatistics B) Bioinformatics	4	4	35	15	50
	DSE-2 - Practical	LS/BOT/DSE-502AP LS/BOT/DSE-502BP	Practical based on DSE-2	2	4	35	15	50
			TOTAL	24	32			400



SEMESTER VI								
Semester VI	Core-13	LS/BOT/C-613L	Plant Metabolism	4	4	35	15	50
	Core -13 Practical	LS/BOT/CP-613P	Practical based on core 13	2	4	35	15	50
	Core -14	LS/BOT/C-614L	Plant Biotechnology	4	4	35	15	50
	Core -14 Practical	LS/BOT/CP-614P	Practical based on core 14	2	4	35	15	50
	Discipline Specific Elective (DSE-3)	LS/BOT/DSE 603AL LS/BOT/DSE 603BL	A) Industrial and Environmental Microbiology B) Plant Breeding	4	4	35	15	50
	DSE-3 - Practical	LS/BOT/DSE 603AP LS/BOT/DSE 603BP	Practical based on DSE-3	2	4	35	15	50
	Dissertation / Project work followed by seminar	LS/BOT/PD-601	Dissertation/ Project work followed by seminar	5 +1=6	8	70	30	100
		<b>TOTAL</b>	24	32			<b>400</b>	
		<b>TOTAL CREDITS</b>	<b>152 + 4 (SI)</b>					

1. Continuous Internal assessment should be evaluated by two components: Seasonal test + assignment
2. Marks distribution as proposed (70/30 ratio End semester/ continuous internal assessment) / According to the final ordinance





**List of students undertaking Field Projects/Projects / Internships**

Sr. No.	Programme Name	Name of the Student	Link of Certificate
01.	B.Sc. Botany	Anchal Sahu	<a href="http://06182022120650_anchal_sahu.pdf">06182022120650_anchal_sahu.pdf</a> (ggu.ac.in)
02.		Aditi Anant	<a href="http://06182022115913_aditi_anant.pdf">06182022115913_aditi_anant.pdf</a> (ggu.ac.in)
03.		Aditya Sharma	<a href="http://06182022115934_aditya_sharma.pdf">06182022115934_aditya_sharma.pdf</a> (ggu.ac.in)
04.		Aishwarya Sahu	<a href="http://06182022120021_aishwarya_sahu.pdf">06182022120021_aishwarya_sahu.pdf</a> (ggu.ac.in)
05.		Ajeet Dhritlahre	<a href="http://06182022120515_ajeet_dhritlahare.pdf">06182022120515_ajeet_dhritlahare.pdf</a> (ggu.ac.in)
06.		Alisha	<a href="http://06182022120533_alisha.pdf">06182022120533_alisha.pdf</a> (ggu.ac.in)
07.		Alpana Meet Tigga	<a href="http://06182022120605_alpana_meet_tigga.pdf">06182022120605_alpana_meet_tigga.pdf</a> (ggu.ac.in)
08.		Amisha Singh	<a href="http://06182022120622_amisha_singh.pdf">06182022120622_amisha_singh.pdf</a> (ggu.ac.in)
09.		Anjali Bhargava	<a href="http://06182022120711_anjali_bhargava.pdf">06182022120711_anjali_bhargava.pdf</a> (ggu.ac.in)
10.		Aastha Tiwari	<a href="http://06182022120738_aastha_tiwari.pdf">06182022120738_aastha_tiwari.pdf</a> (ggu.ac.in)
11.		Basant Kumar Pradhan	<a href="http://06182022120755_basant_kumar_pradhan.pdf">06182022120755_basant_kumar_pradhan.pdf</a> (ggu.ac.in)
12.		Chhaya Kurrey	<a href="http://06182022120816_chhaya_kurrey.pdf">06182022120816_chhaya_kurrey.pdf</a>



			<a href="http://ggu.ac.in">ggu.ac.in</a>
13.		Deepshikha Gayakwad	<a href="http://ggu.ac.in/06182022120834_deepshikha_gayakwad.pdf">06182022120834_deepshikha_gayakwad.pdf</a> (ggu.ac.in)
14.		Dipali	<a href="http://ggu.ac.in/06182022120850_dipali.pdf">06182022120850_dipali.pdf</a> (ggu.ac.in)
15.		Hunny Agrawal	<a href="http://ggu.ac.in/06182022120904_hunny_agrawal.pdf">06182022120904_hunny_agrawal.pdf</a> (ggu.ac.in)
16.		Jyotsana Chandra	<a href="http://ggu.ac.in/06182022120938_jyotsana_chandra.pdf">06182022120938_jyotsana_chandra.pdf</a> (ggu.ac.in)
17.		Kamni Jolhe	<a href="http://ggu.ac.in/06182022121001_kamni_jolhe.pdf">06182022121001_kamni_jolhe.pdf</a> (ggu.ac.in)
18.		Kopal Mishra	<a href="http://ggu.ac.in/06182022121020_kopal_mishra.pdf">06182022121020_kopal_mishra.pdf</a> (ggu.ac.in)
19.		Kunal Kumar	<a href="http://ggu.ac.in/06182022121036_kunal_kumar.pdf">06182022121036_kunal_kumar.pdf</a> (ggu.ac.in)
20.		Manisha Shandilya	<a href="http://ggu.ac.in/06182022121100_manisha_shandilya.pdf">06182022121100_manisha_shandilya.pdf</a> (ggu.ac.in)
21.		Muskan Lambo	<a href="http://ggu.ac.in/06182022121248_muskan_lambo.pdf">06182022121248_muskan_lambo.pdf</a> (ggu.ac.in)
22.		Neha Kashyap	<a href="http://ggu.ac.in/06182022121424_neha_kashyap.pdf">06182022121424_neha_kashyap.pdf</a> (ggu.ac.in)
23.		Neha Patel	<a href="http://ggu.ac.in/06182022121437_neha_patel.pdf">06182022121437_neha_patel.pdf</a> (ggu.ac.in)
24.		Nikita Khuntia	<a href="http://ggu.ac.in/06182022121452_nikita_khuntia.pdf">06182022121452_nikita_khuntia.pdf</a> (ggu.ac.in)
25.		Omkar Darshan	<a href="http://ggu.ac.in/06182022121506_omkar_darshan.pdf">06182022121506_omkar_darshan.pdf</a> (ggu.ac.in)
26.		Pooja Kashyap	<a href="http://ggu.ac.in/06182022121523_pooja_kashyap.pdf">06182022121523_pooja_kashyap.pdf</a> (ggu.ac.in)
27.		Prakriti Singh	<a href="http://ggu.ac.in/06182022121538_pra">06182022121538_pra</a>



			<a href="#">kriti singh.pdf (ggu.ac.in)</a>
28.		Pranay Dewangan	<a href="#">06182022121552 pranay dewangan.pdf (ggu.ac.in)</a>
29.		Priyanka Rai	<a href="#">06182022121608 priyanka rai.pdf (ggu.ac.in)</a>
30.		Priyanka Singh	<a href="#">06182022121624 priyansh singh.pdf (ggu.ac.in)</a>
31.		Pushpraj Singh	<a href="#">06182022121644 pushpraj singh.pdf (ggu.ac.in)</a>
32.		R.Akhila	<a href="#">06182022121702 R.akhila.pdf (ggu.ac.in)</a>
33.		Rupa Patel	<a href="#">06182022121715 rupa patel.pdf (ggu.ac.in)</a>
34.		Sakshi Singh	<a href="#">06182022121729 sakshi singh.pdf (ggu.ac.in)</a>
35.		Sandeep Patel	<a href="#">06182022121743 sandeep patel.pdf (ggu.ac.in)</a>
36.		Shashank Agrawal	<a href="#">06182022121758 shashank agrawal.pdf (ggu.ac.in)</a>
37.		Shradha Chandrakar	<a href="#">06182022121811 shradha chandrakar.pdf (ggu.ac.in)</a>
38.		Shreshthashree Ratha	<a href="#">06182022121829 shreshthashree ratha.pdf (ggu.ac.in)</a>
39.		Shristi Uike	<a href="#">06182022121843 shristi uike.pdf (ggu.ac.in)</a>
40.		Shweta Bhaskar	<a href="#">06182022121859 shweta bhaskar.pdf (ggu.ac.in)</a>
41.		Simran Bara	<a href="#">06182022121914 simran bara.pdf (ggu.ac.in)</a>
42.		Sukrit Das	<a href="#">06182022121927 sukrit</a>



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43.		Sunita Sahu	<a href="#">06182022121942_sunita_sahu.pdf (ggu.ac.in)</a>
44.		Surabhi Suman Patel	<a href="#">06182022121958_surabhi_suman_patel.pdf (ggu.ac.in)</a>
45.		Suraj Kurrey	<a href="#">06182022122310_suraj_kurrey.pdf (ggu.ac.in)</a>
46.		Talat Nasreen	<a href="#">06182022122326_talat_nasreen.pdf (ggu.ac.in)</a>
47.		Tanuja Gupta	<a href="#">06182022045329_tanuja_gupta.pdf (ggu.ac.in)</a>
48.		Uma Shankar Bhakt	<a href="#">06182022122340_uma_shankar_bhakt.pdf (ggu.ac.in)</a>
49.		Ushma Sen	<a href="#">06182022122354_ushma_sen.pdf (ggu.ac.in)</a>
50.		Vanshika Rai	<a href="#">06182022122410_vanshika_rai.pdf (ggu.ac.in)</a>
51.		Vibhu Pandey	<a href="#">06182022122425_vibhu_pandey.pdf (ggu.ac.in)</a>
52.		Vinay Naik	<a href="#">06182022122523_vinay_naik.pdf (ggu.ac.in)</a>
53.		Vinita Mondal	<a href="#">06182022122535_vinita_mondal.pdf (ggu.ac.in)</a>
54.		Yaminee Kumhar	<a href="#">06182022122546_yaminee_kumhar.pdf (ggu.ac.in)</a>
55.		Yogendra Patel	<a href="#">06182022122558_yogendra_patel.pdf (ggu.ac.in)</a>
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