

**Agenda and Minutes of the
16th Meeting of the Board of Studies
of
Department of Botany
Central University of Jammu**



Venue : Office of Head, Department of Botany, CUJ, Bagla
Date : , 15th February 2024

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Item no.	Item
1.	Opening remarks by the Chair.
2.	To consider and approve draft course contents for core courses under the New Education Policy for the 4th semester of Integrated B.Sc. (Honours) and M.Sc. Botany program
3.	To consider and approve draft course contents for Gardening and Landscape Design as a Skill Enhancement Course under the New Education Policy for Integrated B.Sc. (Honours) and M.Sc. Botany program
4.	To report the course structure for semester VI (January – May 2024) of batch 2021-22 students of the Integrated B.Sc. (Honours) and M.Sc. Botany program as part of the Choice Based Credit System and inclusion of Biostatistics as a Discipline Specific Elective course within the curriculum.
5.	To consider and approve the modified course structure for semester VI (January – May 2023) of students of batch 2020-21 of the Integrated B. Sc. (Hons.) M. Sc. Botany programme.
6.	To report the course structure for semester V (January – May 2022) of batch 2020-21 students of the Integrated B. Sc. (Hons.) M. Sc. Botany programme.
7.	To consider and approve the modified course structure for semester IV (January – May 2021) of students of batch 2020-21 of the Integrated B. Sc. (Hons.) M. Sc. Botany programme.
8.	To consider and approve the modified course structure for semester IV (January – May 2022) of students of batch 2021-22 of the Integrated B. Sc. (Hons.) M. Sc. Botany programme.
9.	To consider and approve the course content of 'Environmental Sciences' as an AEC and to grant Post Facto approval to the course having been offered as an AEC to the batch 2022-23 students in their semester III (July – December 2023) of the Integrated B.Sc. (Hons.) and M. Sc. in Botany programme.
10.	To consider and approve course content of Environmental Studies as an Open Elective to be offered at UG level.
11.	To report the value-added courses (VAC) offered to II and IV semesters of Integrated B.Sc. (Honours) and M.Sc. Botany

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13.	To review and approve the inclusion of MOOC courses within the curriculum for the II and IV semesters, as per the guidelines of the New Education Policy, and for the IV semester under the Choice Based Credit System (CBCS) for the Integrated B.Sc. (Honours) and M.Sc. Botany program.
14.	Any other item with the permission of the Chair.
15.	Vote of Thanks.

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5. To report the course structure for semester VI (January – May 2024) of batch 2021-22 students of the Integrated B.Sc. (Honours) and M.Sc. Botany program as part of the Choice Based Credit System and inclusion of Biostatistics as a Discipline Specific Elective course within the curriculum.

CBCS-based course structure placed at annexure – 3b was approved and adopted for Integrated B.Sc. (Hons.) and M.Sc. Botany from the AY 2020-21 onwards in the 10th Meeting of the BOS dt. 19/10/2020. Accordingly, the students of batch 2021-22, currently in their semester VI (January – May 2024) are following the course structure placed at annexure – 4. Biostatistics was approved in the 6th meeting of the BOS held on 10-07-2018 to be offered as a discipline specific elective course in the semester V of the Integrated B.Sc. (Honours) and M.Sc. Botany program. This course is currently being offered as DSE to the semester VI students of batch 2021-22 (Course content placed at annexure – 5). Further, the contents of the core courses being offered are as per approval of the 7th meeting of the BOS held on 29-11-2018 (Annexure - 5).

6. To report the course structure for semester V (July – December 2022 and July – December 2023) students of batches 2020-21 and 2021-22 of the Integrated B. Sc. (Hons.) M. Sc. Botany programme.

CBCS-based course structure was approved and adopted for Integrated B.Sc. (Hons.) and M.Sc. Botany from the AY 2020-21 onwards in the 10th Meeting of the BOS dt. 19/10/2020. Accordingly, students of batches 2020-21 and 2021-22 completed semester V (July – December 2022 and July – December 2023, respectively) with the course structures as placed at annexure – 6. It is further submitted that the course contents of both core and elective courses have been approved in the 6th meeting of the BOS held on 10/07/2018.

7. To consider and approve the modified course structure for semester IV (January – May 2021) of students of batch 2020-21 of the Integrated B. Sc. (Hons.) M. Sc. Botany programme.

CBCS based course structure placed at annexure – 7a was approved and adopted for Integrated B.Sc. (Hons.) and M.Sc. Botany from the AY 2020-21 onwards in the 13th Meeting of the BOS dt. 27/05/2022. Accordingly, batch 2020-21 students were required to study one Generic elective course of 6 credits and a Skill Enhancement Compulsory Course (SECC) of 2 credits. Due to the faculty shortage at the time, the students had to take these courses through MOOC. The selected courses comprised 3 credits for the Generic elective and 2 credits for the Skill Enhancement Compulsory Course (SECC). As a result, students substituted these with three MOOC courses, consisting of two 3-credit courses and one 2-credit course, fulfilling the requirements for both a Generic elective and a SECC. The modified course structure for semester IV (January – May, 2021) of students of batch 2020-21 is placed at annexure – 7b. The Board is requested to consider and accord post-facto approval to the modified course

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structure (placed at annexure-7b) for the semester IV (January – May 2021) of batch 2020-21 students.

8. To consider and approve the modified course structure for semester IV (January – May 2022) of students of batch 2021-22 of the Integrated B. Sc. (Hons.) M. Sc. Botany programme.



CBCS based course structure placed at annexure – 8a was approved and adopted for Integrated B.Sc. (Hons.) and M.Sc. Botany from the AY 2020-21 onwards in the 13th Meeting of the BOS dt. 27/05/2022. Accordingly, batch 2020-21 students were required to study one Generic elective course of 6 credits and a Skill Enhancement Compulsory Course (SECC) of 2 credits. Due to the faculty shortage at the time, the students had to take these courses through MOOC. The courses available and opted for were of 4 credits each. Thus, instead of 6 credits of Generic elective and 2 credits of Skill Enhancement Compulsory Course (SECC), the students studied two MOOC courses of 4 credits each. These courses fulfilled the general requirements of completing a Generic elective and an SECC. The Board is requested to consider and accord post-facto approval to the modified course structure (placed at annexure-8b) for the semester IV (January – May 2022) of batch 2021-22 students.

9. To consider and approve the 'Environmental Sciences' course content as an AEC and grant retrospective approval for its offering to the batch of 2022-23 students in semester III (July – December 2023) of the Integrated B.Sc. (Hons.) and M. Sc. in Botany program.

NEP-based course structure was approved and adopted for Integrated B.Sc. (Hons.) and M.Sc. Botany from the AY 2022-23 onwards in the 13th Meeting of the BOS dt. 27/05/2022. As per the approved structure, the students are required to study an Ability Enhancement Course (AEC) of 2 credits in their third semester. Since a course on Environmental Sciences is a pre-requisite at the UG level, the Department of Environmental Sciences was requested to offer the same to batch 2022-23 students in their 3rd semester (July – December 2023). The course was designed and offered to our students by the EVS Department, and an examination was also conducted. However, later, it came to the notice that their BOS did not approve the particular course and that the EVS Department, as a policy, is not approving courses to be offered at the UG level. Consequently, the result for the 3rd semester (July – December 2023) was withheld since the same requires approval of the course by BOS, which is not possible through the EVS Department. To resolve the situation, the matter was discussed by the faculty of the Department of Botany and Dean, School of Life Sciences, and it was observed that the contents of the said course designed by the EVS Department, being generic in nature, could be offered by the Department of Botany as well. Accordingly, the Board is requested to consider and accord post-facto approval to the course having been offered to batch 2022-23 in their third semester (July-December 2023). Course contents are placed at annexure – 9

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10. To consider and approve course content of Environmental Studies as an Open Elective to be offered at UG level.

The Department of Botany has developed the curriculum for a four-credit Environmental Studies course, which will be available to undergraduate students enrolled in various Departments of the University. This course aims to educate students on the significance of environmentally sustainable development for the future of humanity. Through this course, students will explore topics including pollution, proper solid waste management, environmental degradation, the intersection of economic productivity and national security, global warming, ozone layer depletion, and biodiversity loss. The Board is requested to consider and approve the draft course contents placed at annexure-10.

11. To report the value-added courses (VAC) offered to II and IV semesters of Integrated B.Sc. (Honours) and M.Sc. Botany

This is to apprise the members of the BOS that two courses viz, NCC (II semester) and Religion Communication (IV semester), have been offered as Value Added Courses (VAC) at the university level under the New Education Policy. The courses are 2-credit each and have been opted for by the students of the 2022-23 batch of Integrated B.Sc. (Honours) and M.Sc. Botany in their second (Jan- May 2023) and fourth (Jan-May 2024) semesters.

12. To review and approve the inclusion of MOOC courses within the curriculum for the II and IV semesters, as per the guidelines of the New Education Policy, and for the IV semester under the Choice Based Credit System (CBCS) for the Integrated B.Sc. (Honours) and M.Sc. Botany program.

The Botany Department is seeking the approval of BOS members to integrate 4-credit courses, such as Agriculture Geography, Introduction to Psychology, and General Microbiology, as open elective courses in accordance with the guidelines of the New Education Policy. These courses are to be included in the curriculum for II (2023 batch) and IV (2022 batch) semester students enrolled in the Integrated B.Sc. (Honours) and M.Sc. Botany program. Additionally, the department is seeking approval to incorporate Pollutants and Water Supply, Genome Editing and Engineering, Microbiology, and Environmental Sciences as Discipline Specific Elective Courses, following the guidelines of the CBCS. These courses are intended for VI (2021 batch) semester students enrolled in the Integrated B.Sc. (Honours) and M.Sc. Botany program. All courses are proposed to be offered through the Swayam portal, facilitating Massive Open Online Courses (MOOCs).

13. Any other item with the permission of the Chair.

14. Vote of Thanks

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Department of Botany
Central University of Jammu

No. CUJ/BOT/2022/

Date: 20th February 2024

MINUTES OF THE 16th MEETING OF BOARD OF STUDIES (BOS) OF DEPARTMENT OF BOTANY

Minutes of the 16th meeting of the Board of Studies of Department of Botany held on 20th February. 2024 at 11.00 am in Office of Head, Department of Botany, Central University of Jammu.

The following members attended the meeting:

Name	Affiliation	Designation
Prof. BrijMohan Singh Bhau,	Head, Department of Botany, CUJ	Chairman
Prof. Namrata Sharma	Department of Botany, University of Jammu, Jammu	External Expert Member
Dr. Yogesh Kumar	Associate Professor, Department of Botany, CUJ	Member Secretary
Dr. Ashok Kumar	Assistant Professor, Department of Botany, CUJ	Member Secretary
Dr. Shweta Yadav	Assistant Prof: EVS department	Member

1) Opening remarks by the Chair.

The Chairman extended a warm welcome to all the members, expressing gratitude for their attendance and the valuable input they have contributed.

2) To consider and approve draft course contents for core courses under the New Education Policy for the 4th semester of Integrated B.Sc. (Honours) and M.Sc. Botany program.

The Board considered and approved the course contents for core courses under the New Education Policy for the 4th semester of Integrated B.Sc. (Honours) and M.Sc. Botany program. The approved courses are placed at annexure-1.

3) To consider and approve draft course contents for Gardening and Landscaping as a Skill Enhancement Course under the New Education Policy for Integrated B.Sc. (Honours) and M.Sc. Botany program.

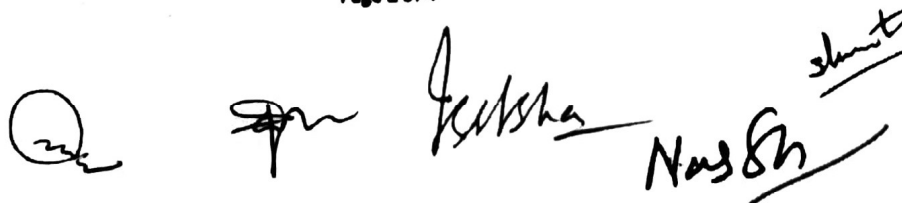
The Board considered and approved the course content for Gardening and Landscaping as a Skill Enhancement Course under the New Education Policy for Integrated B.Sc. (Honours) and M.Sc. Botany program. The approved courses are placed at annexure-2

4) To consider and approve the modified course structure for semester VI (January – May 2023) of students of batch 2020-21 of the Integrated B. Sc. (Hons.) M. Sc. Botany programme.

The Board considered and approved the modified course structure for semester VI (January – May 2023) of students of batch 2020-21 of the Integrated B. Sc. (Hons.) M. Sc. Botany programme. The modified course structure and course contents of core and elective courses are placed under annexure-3a, 3b and 3c.

5) To report the course structure for semester VI (January – May 2024) of batch 2021-22 students of the Integrated B.Sc. (Honours) and M.Sc. Botany program as part of the Choice Based Credit System and inclusion of Biostatistics as a Discipline Specific Elective course within the curriculum.

The Board noted and approved the course structure and courses offered therein for semester VI (January – May 2024) of batch 2021-22 students of the Integrated B.Sc. (Honours) and M.Sc. Botany program as part of the Choice Based Credit System. It was noted and approved that since a course on Cell Biology was offered in the 2nd semester therefore in its



place Anatomy and Embryology theory and Lab. was offered as a core course in the modified structure. The inclusion of Biostatistics as a Discipline Specific Elective course was also noted and approved. The approved course structure and course contents of core and Elective courses are placed in the annexure- 3b, 4 and 5.

- 6) To report the course structure for semester V (July – December 2022 and July – December 2023) students of batches 2020-21 and 2021-22 of the Integrated B. Sc. (Hons.) M. Sc. Botany programme.

The Board and approved the course structure for semester V (July – December 2022 and July – December 2023) students of batches 2020-21 and 2021-22 of the Integrated B. Sc. (Hons.) M. Sc. Botany programme. The modified course structure and course contents are placed under annexure- 6.

- 7) To consider and approve the modified course structure for semester IV (January – May 2021) of students of batch 2020-21 of the Integrated B. Sc. (Hons.) M. Sc. Botany programme.

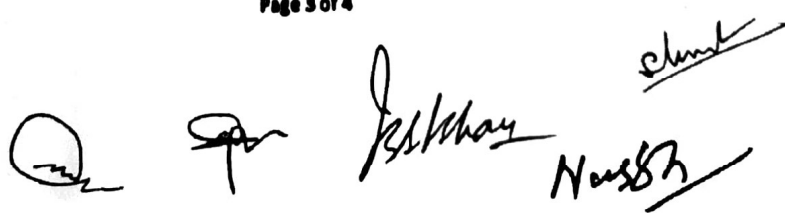
The Board has considered and approved the modified course structure for semester IV (January – May 2022) of students of batch 2020-21 of the Integrated B. Sc. (Hons.) M. Sc. Botany programme. The modified course structure and course contents of core and elective courses are placed under annexure 7a and 7b.

- 8) To consider and approve the modified course structure for semester IV (January – May 2022) of students of batch 2021-22 of the Integrated B. Sc. (Hons.) M. Sc. Botany programme.

The Board has considered and approved the modified course structure for semester IV (January – May 2022) of students of batch 2021-22 of the Integrated B. Sc. (Hons.) M. Sc. Botany programme. The modified course structure and course contents of core and elective courses are placed under annexure 8a and 8b.

- 9) To consider and approve the course content of 'Environmental Sciences' as an AEC and to grant Post Facto approval to the course having been offered as an AEC to the batch 2022-23 students in their semester III (July – December 2023) of the Integrated B.Sc. (Hons.) and M. Sc. in Botany programme.

The Board has considered and approved the course content of 'Environmental Sciences' as an AEC and granted Post Facto approval to the course having been offered as an AEC to the batch 2022-23 students in their semester III (July – December 2023) of the Integrated

The block contains several handwritten signatures and initials. From left to right, there is a circular stamp, a signature that appears to be 'S. K. S.', a signature that appears to be 'J. K. S.', and a signature that appears to be 'N. S. S.' with the date '15/02' written below it.

B.Sc. (Hons.) and M. Sc. in Botany programme. The course contents of EVS course is placed under annexure-9.

- 10) To consider and approve course content of Environmental Studies as an Open Elective to be offered at UG level.

The Board considered and approved the course contents for an open elective course under the New Education Policy for all the Departments of the University. The approved courses are placed at annexure-10.

- 11) To report the value-added courses (VAC) offered to II and IV semesters of Integrated B.Sc. (Honours) and M.Sc. Botany

The Board acknowledged the matter, deliberated upon it, and subsequently approved the value-added courses (VAC) offered to II and IV semesters of Integrated B.Sc. (Honours) and M.Sc. Botany. VAC course for II and IV semesters are NCC and Religion Communication respectively.

- 13) To review and approve the inclusion of MOOC courses within the curriculum for the II and IV semesters, as per the guidelines of the New Education Policy, and for the IV semester under the Choice Based Credit System (CBCS) for the Integrated B.Sc. (Honours) and M.Sc. Botany program.

The Board reviewed the matter and approved the inclusion of MOOC courses within the curriculum for the II and IV semesters, as per the guidelines of the New Education Policy, and for the IV semester under the Choice Based Credit System (CBCS) for the Integrated B.Sc. (Honours) and M.Sc. Botany program.

- 14) The Meeting ended with a vote of thanks to the Chair

Signatories

Professor BS Bhau

Dr. Yogesh Kumar

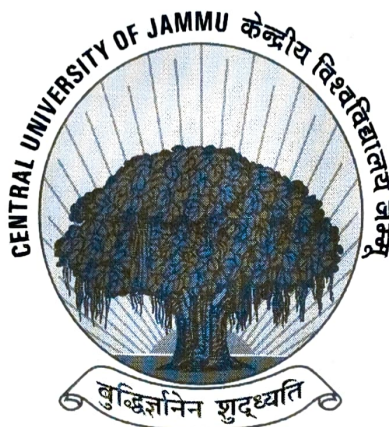
Dr. Shweta Yadav

Dr. Ashok Kumar

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Professor Namrata Sharma

**Addendum in the Agenda and Minutes of
the 16th Meeting of the Board of Studies of
Department of Botany
Central University of Jammu**



Venue: Office of the Head, Department of Botany, Central University of Jammu

Date: 15 February, 2024

Agenda:

The following point is to be reported as an addendum to the Agenda of the 16th Meeting of the Board of Studies of Department of Botany, Central University of Jammu held on 15 February 2024:

13.1 To report the minutes of the Ph.D. RAC meetings held on 17 January, 2023 and 22 December, 2023.

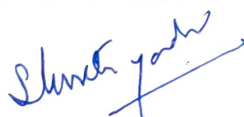
Minutes of the Meeting:

The following point was reported as an addendum to the Minutes of the 16th Meeting of the Board of Studies of Department of Botany, Central University of Jammu held on 15 February 2024:

13.1 The minutes of the Ph.D. RAC meetings held on 17 January, 2023 and 22 December, 2023 were reported to the BoS.

Signatories:

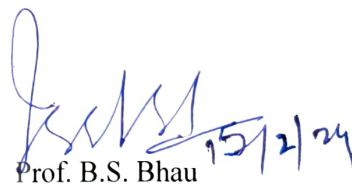
Prof. Namrata Sharma



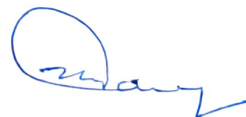
Dr. Shweta Yadav



Dr. Ashok Kumar



Prof. B.S. Bhau



Dr. Yogesh Kumar