

12/14/2020



श्री माता वैष्णो देवी विश्वविद्यालय

Shri Mata Vaishno Devi University
Sub Post Office, Kakryal (Katra) – 182 320
(SCHOOL OF BIOTECHNOLOGY)

SMVDU/SoBT/20/388

20.03.2020

MINUTES OF THE MEETING OF INTERIM BOARD OF STUDIES (BoS) OF SCHOOL OF CHEMISTRY, SMVDU

With respect to the notification ref. No. SMVDU/AA/20/1128 dated 4th March, 2020, the Meeting of Interim Board of Studies (BoS) for the School of Chemistry, SMVDU was held on 17.03.2020 (10.00 a.m. to 5.00 p.m.) and 18-03-2020 (9.30 a.m. to 5.00 p.m.) in the Conference Room, School of Biotechnology in which various Academic matters related to UG and PG courses to be offered in Chemistry were discussed. Following members attended the Meeting of Interim Board of Studies (BoS) for the School of Chemistry.

1	Dr. R. K. Sharma	Professor, Department of Chemistry, Delhi University
2	Dr. Ashok Kumar Malik	Professor & Head Department of Chemistry, Punjab University, Patiala
3	Dr. R.K. Bamezai	Professor & Head Department of Chemistry, University of Jammu
4	Dr. Sridharan Vellaisamy	Associate Professor & Head Department of Chemistry and Chemical sciences, Central University of Jammu, Jammu.
4	Dr. Sharada M. Potukuchi	Associate Professor, Head, SoBT
5	Dr. Anil Kumar	Assistant Professor, SoBT and Coordinator Interim BOS, School of Chemistry

9.1 Welcome of new Members

Dr. Sharada Potukuchi, Head, SoBT introduced about the School of Biotechnology and also apprised the external members about the intend of the University for the start of new School/course from the forthcoming session. Dr. Anil Kumar, Assistant Professor, SoBT and coordinator, interim BOS, School of Chemistry welcomed Professor, Professor R.K. Sharma, Department of Chemistry, Delhi University, Professor Ashok Kumar Malik, Professor & Head

Department of Chemistry, Punjab University, Patiala, Prof. R.K. Bamezai, Professor & Head Department of Chemistry, University of Jammu, Dr. Sridharan Vellaisamy, Associate Professor & Head Department of Chemistry and Chemical sciences, Central University of Jammu and thanked them for making it convenient to attend the meeting at a very short notice.

Following agenda items were discussed and after detailed discussions/deliberations, the recommendations of the Committee are given below:

Agenda Item No. 1:

1.1 To consider and approve the Course structure and detailed Course Curriculum of Integrated B.Sc (Honors) Chemistry- M.Sc. (Chemistry)

The detailed Course structure as well as the course contents for Integrated B.Sc (Honors) Chemistry-M.Sc. (Chemistry) Program prepared strictly as per UGC CBCS guidelines by Dr. Anil Kumar, Asst. Prof., SoBT was discussed and deliberated in detail. After deliberations following useful modifications were suggested by external members:

- i) The external expert members after deliberations suggested to remove some discipline specific elective papers (DSE) and skill Enhancement courses. In addition, members also suggested few changes in the course content of these which need to be included.
- ii) Experts also suggested to either keep IV/V units for each course throughout the course curriculum.
- iii) After deliberations it was decided to remove the project work from B. Sc. Honors.
- iv) It was suggested to update the references and include more text books especially with new editions.
- v) Some reshuffling of course content was also done in some courses.
- vi) Dr. Sharada suggested to include the NSS (Non credit-4-0-0) in B. S. Honors course as per University rules.

All the suggestions have been incorporated and accordingly the revised Course structure along with course contents is placed as **Annexure-I**

Agenda Item No. 2:

To consider and approve the Course contents for subsidiary courses to be floated to students opting for Integrated B.Sc.-Honors in Mathematics/Physics/Botany

The Agenda item was discussed and deliberated in the meeting. It was discussed that the subsidiary courses are designed to offer to the students of Integrated B.Sc.-honors courses of other schools (Mathematics/Physics/Botany) as per the UGC-CBCS.

The syllabus prepared by Dr. Anil Kumar, Assistant Professor, SoBT, was placed before the BOS members and after discussion and deliberations, the external members recommended the following changes:

- i. The BOS members suggested to include some basic concepts of organic chemistry in the course content of course entitled "Conceptual Organic Chemistry" (Subsidiary-I). It was further suggested to take the content from first unit of core course entitled "Organic Chemistry-I).
- ii. It was recommended to remove the Electronic and PMR spectroscopy from the course content of course entitled 'Fundamental of Physical chemistry" (Subsidiary-III). Instead it was suggested to include the portion microwave spectroscopy. Also the unit chemical and Ionic equilibrium was suggested to club in a single unit. It was suggested to update the reference section.
- iii. Some addition of content in the course entitled Analytical Methods in Chemistry (Subsidiary-IV) was also suggested especially in Unit I, Unit III and Unit IV.

The recommendations and suggestions given were incorporated and the revised subsidiary courses for Integrated B.Sc.-honors Courses (Mathematics/Physics/Botany) is placed as Annexure-II.

Agenda Item No. 3:

To consider and approve the Course Structure and detailed Course Curriculum of M. Sc. (Chemistry)

The course structure and syllabus prepared was placed before BOS members for discussion and deliberation. The expert members have given various suggestion. Since the same syllabus was also a part of Integrated B.Sc (Honors) Chemistry-M.Sc. (Chemistry) which was already discussed in detail in Agenda item no. 1. The various suggestions were made and incorporated by each expert from different field of specialization (Organic, Inorganic, Physical and Analytical). The revised course structure and course content after incorporation of various suggestions was

placed as Annexure-III.

Agenda Item No. 4:
To consider and approve the course and course of course "Research Publication and Ethics" (RPE) offered to Pre-Ph. D. students as part of their course work

The University Authorities intend to introduce a mandatory two credit course related to Research Publication and Ethics as part of course work to Ph. D. students admitted at SMVDU as per UGC guidelines [Letter No. D.O. No. F.1-1/2018 (Journal/CARE) dated December, 2019].

The syllabus as per UGC model on Research Publication and Ethics was placed before the BOS members and after deliberations the members unanimously approved the same as two credit course "Research Publication and ethics" strictly as per the UGC. The course contents are placed as Annexure-IV.

Agenda Item No. 5:
To consider and approve the course "Engineering Chemistry" to be floated to all B. Tech. branches at SMVDU.

As per the direction the course structure and content for the course entitled "Engineering Chemistry" (2-0-2) prepared by Dr. Anil Kumar was placed before the BS member and after deliberations the content was approved after minor deletion of the overlapping content of Unit-II and unit-III. After incorporation of suggestions, the revised course is appended as Annexure-V

Agenda Item No. 6:
To consider and approve the revised course content and increase of credit (From 3-0-0 to 4-0-0) of course "Research Methodology" offered to Pre-Ph. D. students (Chemistry) as part of their course work.

The revised course content and credit from (3-0-0 to 4-0-0) of course entitled "Research Methodology" offered to Pre-Ph. D. students (Chemistry) was placed before the BOS members. After deliberations the BOS members recommended the content and proposed course credit. Accordingly the revised structure is appended as Annexure-VI

Agenda Item No. 7:
Recommendation for Details of Labs required for the running the proposed programme.

The detail list is appended as Annexure-VI

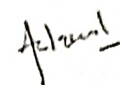
Agenda Item No. 8:

Any other item with the permission of the chair

Agenda Item No. 9:

Vote of thanks

Meeting ended with Vote of Thanks to External Experts and all the attendees of the meeting.



(Anil Kumar)
Assistant Prof., &
Coordinator Interim BoS
(School of Chemistry)

Copy to:

- 9.1.1 Chairman, BoS of SoBT, SMVDU for kind information.
- 9.1.2 Registrar, SMVDU for kind information.
- 9.1.3 Dean (AA) for information.
- 9.1.4 PS to VC for kind information of Hon'ble Vice-Chancellor.
- 9.1.5 All members concerned for information by E-mail.
- 9.1.6 Record/Office file.