

Central University of Punjab

Department of Chemistry

Date: 22.05.2021

Subject: Minutes of the 10th meeting of Board of Studies of Department of Chemistry

The 10th meeting of Board of Studies (BoS) of Department of Chemistry was held on 22nd May, 2021 through online mode on google meet platform. Following members were present:

1. Dr. Vinod Kumar, HoD & Associate Professor, Dept. of Chemistry, CUP, Bathinda, Chairperson
2. Prof. Harish Chopra, Department of Chemistry, SLIET, Longowal, Distt. Sangrur, Punjab
3. Prof. Manoj Kumar, Department of Chemistry, Guru Nanak Dev University, Amritsar, Punjab
4. Prof. Anjana Munshi, Department of Human Genetics and Molecular Medicine, CUP, Bathinda
5. Prof. V. K. Garg, Department of Environmental Science and Technology, CUP, Bathinda
6. Er. Chandershekhar Sahu, Manager, HMEL, Bathinda refinery, Bathinda
7. Prof. Rajesh Kumar, Department of Chemistry, CUP, Bathinda.
8. Dr. Vikas Jaitak, Department of Phar. Sci. & Nat. Prod., CUP, Bathinda
9. Dr. Virender Singh, Associate Professor, Dept. of Chemistry, CUP, Bathinda
10. Dr. Rakesh Kumar, Assistant Professor, Dept. of Chemistry, CUP, Bathinda
11. Dr. Krishna Kanta Haldar, Assistant Professor, Dept. of Chemistry, CUP, Bathinda
12. Dr. Rajendra Singh Dhayal, Assistant Professor, Dept. of Chemistry, CUP, Bathinda
13. Dr. J. Nagendra Babu, Assistant Professor, Dept. of Chemistry, CUP, Bathinda
14. Dr. Biplab Banerjee, Assistant Professor (FRP), Dept. of Chemistry, CUP, Bathinda

The committee reviewed the following agenda

- Agenda-1** To review and recommend the course structure/syllabus of M.Sc. Chemistry for the courses to be offered for the session 2021 onwards.
- Agenda-2** To review and recommend the course structure/syllabus of M.Sc. Chemistry (specialization in Applied Chemistry) for the courses to be offered for the session 2021 onwards.
- Agenda-3** To review and recommend the course structure/syllabus of Ph.D. Chemistry for the courses to be offered for the session 2021 onwards.

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B. Banerjee

VP
C.V.K. (HoD)

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Agenda-4 To review and recommend the panel of experts for the external evaluation of the dissertation of MSc students.

Agenda-5 To review and recommend visiting faculty members.

The committee discussed and unanimously resolved:

Agenda Item No. 1: To review and recommend the course structure/syllabus of M.Sc. Chemistry for the courses to be offered for the session 2021 onwards.

The chairperson proposed the M.Sc. Chemistry syllabus for 2021-23 batch onwards. The chairperson briefed about the changes with the justifications in the existing syllabus and course structure. Based on the inputs provided by the chairperson, the committee deliberated the syllabus of M.Sc. Chemistry:

The M.Sc. Chemistry program of 86 credits is proposed as per guidelines of the University/New Education Policy 2020.

Activity based learning is included in all the relevant units in the M. Sc. syllabus.

Course entitled "Solid State Chemistry" is added in IIIrd semester.

Two courses, entitled "Medicinal Chemistry-I" and "Fundamentals of Computer Aided Drug Design" offered at Department of Pharmaceutical Science and Natural Products, CUP and "Biomolecules and Bioenergetics" Department of Biochemistry, CUP are added as discipline elective courses in the IIIrd semester.

A course on "Entrepreneurship" is added as value added course (VAC) as per university guidelines.

Three VAC courses are offered by the department

Fourth semester dedicated to dissertation only and theory courses are shifted to IIIrd semester

Evaluation pattern was adopted as per guidelines of the University

Resolution: Committee reviewed and recommended the course structure and the detailed syllabus of M.Sc. Chemistry for the batch 2021-2023 onwards. The finalized copy of the syllabi is enclosed as Annexure-I.

Agenda Item No. 2: To review and recommend the course structure/syllabus of M.Sc. Chemistry (specialization in Applied Chemistry) for the courses to be offered for the session 2021 onwards. The chairperson proposed the M.Sc. Chemistry (Specialization: Applied Chemistry) syllabus for 2021-23 batch onwards. The chairperson briefed about the changes with the justifications in the

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existing syllabus and course structure. Based on the inputs provided by the chairperson, the committee deliberated the syllabus of M.Sc. Chemistry (Specialization: Applied Chemistry):

The M. Sc. Chemistry (specialization in Applied Chemistry) program of 86 credit is proposed as per guidelines of the University/New Education Policy 2020.

Activity based learning was included in all the relevant units in the syllabus.

One course each entitled "Food Chemistry" offered by Department of Applied agriculture, CUP and "Bioanalytical Techniques" offered by Department of Biochemistry, CUP are added as discipline elective courses in the IIIrd semester.

A course on "Entrepreneurship" is added as value added course (VAC) as per university guidelines.

Three VAC courses are offered by the department

Fourth semester dedicated to dissertation only and theory courses are shifted to IIIrd semester

Evaluation pattern was adopted as per guidelines of the University

Resolution: Committee reviewed and recommended the course structure and the detailed syllabus of M.Sc. Chemistry(specialization in Applied Chemistry) for the batch 2021-2023 onwards. The finalized copy of the syllabi is enclosed as Annexure-II.

Agenda Item No. 3: To review and recommend the course structure/syllabus of Ph.D. Chemistry for the courses to be offered for the session 2021 onwards.

The chairperson proposed the PhD in Chemistry syllabus for the session 2021 onwards. The chairperson briefed about the changes with the justifications in the existing syllabus and course structure. Based on the inputs provided by the chairperson, the committee deliberated the syllabus of PhD Chemistry:

Research Methodology and computer application course are merged as single 4 credit course

One new course entitled "Natural Product Based Drug Discovery" is added in the syllabus

Resolution: Committee reviewed and recommended the course structure and the detailed syllabus of PhD in Chemistry for the session 2021 onwards. The finalized copy of the syllabi is enclosed as Annexure-III.

Agenda Item No. 4: To review and recommend the panel of experts for the external evaluation of the dissertation of MSc students.

The chairperson proposed a panel of the experts for the external evaluation of the dissertation project reports of MSc students.

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Resolution: The Committee recommended the panel of experts for evaluation of MSc dissertation and list is attached as Annexure IV. In case of unavailability of examiners from the list, the committee also recommended to expand the list of experts as per recommendation of supervisors and HoD at the time of dissertation submission.

Agenda Item No. 5: To review and recommend visiting faculty members.
The chairperson proposed a Name of the eminent Faculty/Scientists as visiting faculty members of the Department.

Resolution: The Committee recommended that selection criteria for the visiting faculty members may be formulated before recommendations of any name. Thus, criteria will be prepared and will be submitted to the competent authority for the approval.

Any other agenda

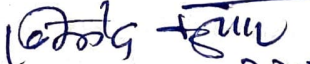
In addition to the changes made to the curriculum for the external evaluation of the dissertation, the member of BoS of studies also discussed the number of seats in the two MSc programmes to be limited to 30 (MSc chemistry) and 20 (MSc Chemistry-Applied Chemistry) seats in each course keeping in view the available infrastructure Department of Chemistry. To ensure the quality of dissertation, not more than 5 master students should be allotted to each faculty members.

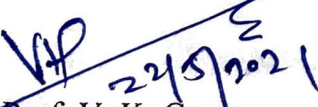
The committee recommends the resolution of Agenda item 1-5 for further approval.

BoS for Dept. of Chemistry


Prof. Manoj Kumar
Prof., Dept. of Chem.
GNDU, Amritsar

Prof. Harish Chopra
Dept. of Chem.
SLIET, Longowal



22-5-2021
Dr. Vinod Kumar
HoD & Associate Professor
Dept. of Chem.
CUP, Bathinda


22/5/2021
Prof. V. K. Garg
Deptt. of Env. Sci. & Tech.,
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Prof. Anjana Munshi
Deptt. of HGMM, CUP


Prof. Rajesh Kumar
Associate Professor
Dept. of Chem.
CUP, Bathinda

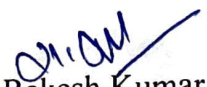
Er. Shekhar Sahu
HEML



Dr. Virender Singh
Associate Professor



Dr. Vikas Jaitak

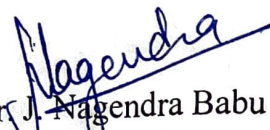
Dept. of Chem.
CUP, Bathinda


Assistant Professor Deptt.
PSNP, CUP


Dr. Rakesh Kumar
Assistant Professor, Deptt.
of Chem., CUP


Dr. R. S. Dhaya
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