

Central University of Punjab

Ref no:

Dated: 17 February, 2020

Subject: Minutes of the meeting of Board of Studies of Department of Microbiology

The meeting of Board of Studies of Department of Microbiology was on 17 February, 2020 at 2:00 pm in Committee Room (Administrative Block)

Following agenda items were placed before the BoS:

1. To approve the change in the degree nomenclature of M.Sc. program from M.Sc. Life Sciences (specialization Microbial Sciences) to M.Sc. Microbiology from academic session 2020-22.
2. To change Project in semester III and IV to Dissertation.
3. To review and approve the proposed changes, course structure and syllabus for M.Sc. Microbiology for academic session 2020-2022.
4. To review and approve the proposed changes, course structure and syllabus for PhD program in Microbiology for session 2020.
5. To discuss the curriculum feedback received from students, their parents, alumni, stakeholders and faculty members.

The members discussed the agenda items and various changes incorporated in courses:

Item no. I. Nomenclature of M.Sc. program from M.Sc. Life Sciences (specialization Microbial Sciences) to M.Sc. Microbiology from academic session 2020-22.

Microbiology, the study of microscopic organisms with many sub-disciplines like virology, mycology, parasitology and bacteriology. The name of the program as **M.Sc. Life Sciences (specialization Microbial Sciences)** weakens scope of Microbiology which is itself a full-fledged subject with a very high scope in India and abroad. Degree in Microbiology makes the student eligible to work in hospitals and laboratories as microbiologists. Students can also get opportunities to work in R&D departments in pharmaceutical companies.

Item no. II. To change Project in semester III and IV to Dissertation.

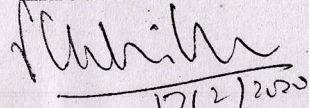
Item no. III. Changes in course structure and syllabus for M.Sc. Microbiology for academic session 2020-2022.

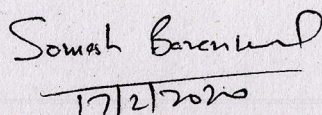
Semester I

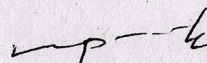
1. Biochemistry (LBC. 506) is now removed and modified as Microbial Biochemistry (LMS. 506)
2. Essentials of Genetics (LBC.509) is now removed and modified as Molecular Genetics (LMS. 509)
3. Life Sciences Practical-I (LBC. 510) are now modified and renamed as Microbiology Practical-I (LMS.510).
4. Department is offering an IDC Basics of Microbiology (LMS.529).
5. Microbial Physiology and Metabolism (LMS.525) is moved to Semester-I from semester-II.
6. The value added course (VAC) is now moved to Semester III and department is offering tutorial/practical based course named Ethics for Science (LMS. 504).

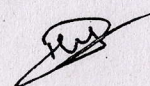
Semester II

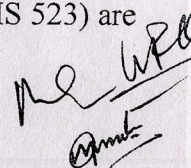
1. Clinical Microbiology (LMS.524) is removed.
2. Two new core courses of (3 credits each) Medical Microbiology (LMS.528) and Virology (LMS 523) are introduced.


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3. Life Sciences Practical-II (LBC. 527) is now removed and modified as Microbiology Practical-III (LMS.527).
4. Department is offering a new IDC "Introduction to Immune System" (LMS. 530).

Semester III

1. Microbiology Practical is renamed as Microbiology Practical -IV (LMS.554).
2. Two discipline electives Principles of Ecology, Evolution and Developmental Biology (LMS.560) and Cell Culture Techniques (LBC. 561) are now removed.
3. Department is offering two new discipline electives Genetic Engineering and Recombinant DNA Technology (LMS.561) and Introduction to Cell and Tissue Culture (LMS.563).

Semester IV

1. Two Discipline Elective courses Genetic Engineering (LBC. 580) and Clinical Diagnostics (LMS 581) are now removed.
2. Two new Discipline Elective courses Microbial Pathogenicity (LMS 580) and Pharmaceutical Microbiology (LMS 581) are introduced.
3. Two Discipline Enrichment Courses "Recent Advances in Life Sciences-I" (LBC.573) and "Recent Advances in Life Sciences-II" (LBC 574) are removed.
4. Two new Discipline Enrichment Courses "Evolution and Ecology" (LMS.573) and "Human Physiology and Developmental Biology" (LMS.574) for the preparation of National levels examination is introduced.

Item no. IV. Changes in course structure and syllabus for PhD program in Microbiology for session 2020.

1. Course on "Research and Publication Ethics" of 2 credits as per UGC guidelines is added.
2. Removed the content from Research Methodology course which was overlapping with Research and Publication Ethics.

Item no. V. To review the feedback received from students, their parents, alumni, stakeholders and faculty members.

Most of the suggestions given by the students and parents are considered. Many suggestion are already incorporated in the curriculum.

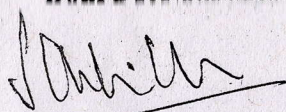
Suggestions from external expert:

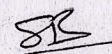
The external expert suggested that common courses should be shared among the departments having expertise.

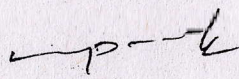
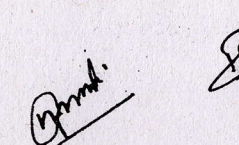
The content in many core courses should be reduced in next session.

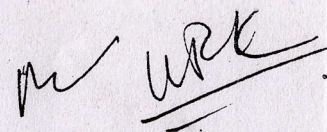
The BoS discussed the agenda items at length including the comments received by the external experts and were incorporated as per suggestions.

The agenda items placed before the BoS were approved and recommended to be placed in the School Board for further approval.

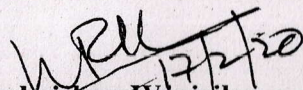

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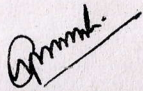

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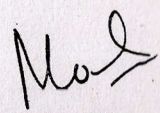






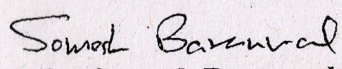
BoS Members

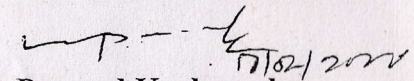

Prof. Ramakrishna Wusirika
Dept. of Biochemistry


Prof. Anjana Munshi
Dept. of Human Genetics and Mol Med

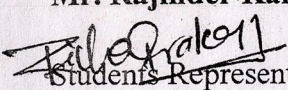
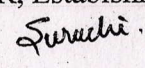
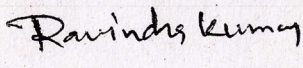

Prof. Monisha Dhiman
Chairperson and HoD


Dr Dhanya MS
Assistant Professor, EVST


Dr. Somesh Baranwal
Assistant Professor, Microbiology

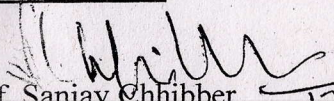

Dr. Pramod Kushawaha
Assistant Professor, Microbiology

Mr. Rajinder Kalra (DR, Establishment)

  
Students Representatives:

Student Alumni: Gagan Kaur (Consent sent via email)

External expert


Prof. Sanjay Chhibber
Panjab University, Chandigarh

External experts who gave their consent through email/phone

Prof. Javed N Agrewala,
Indian Institute of Technology, Ropar