

Agenda
for
Board of Studies
To be held on
May 02, 2022



Department of Microbiology

Central University of Punjab

Central University of Punjab

Department of Microbiology

Ref no:

Dated: 02 May, 2022

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

The meeting of Board of Studies of Department of Microbiology was held on 02 May, 2022 at 11:00 AM via hybrid mode, the following members attended the meeting:

1. **Prof. Monisha Dhiman** Head of the Department as Chairperson
2. **Prof. A. Munshi**, Dean Research
3. **Prof. Felix Bast** Head of the Department Botany
4. **Dr. K. N. Yogalakshmi**, Head of the Department
5. **Dr Pramod Kushawaha**, Assistant Professor, Dept. of Microbiology
6. **Dr Nasir Salam**, Assistant Professor, Dept. of Microbiology
7. **Prof. DD Singh**, Dept. of Biotechnology, Panjab University
8. **Prof. Suman Dhar**, Special Centre for Molecular Medicine, JNU, New Delhi
9. **Dr. Soumen Basak**, Staff Scientist VI, Systems Immunology Laboratory National Institute of Immunology, New Delhi

Prof Suman Dhar and Dr Basak joined the meeting online. Prof R Wusirika, Dr. Snigdha Gupta (Industry expert), Associate Director, Prescient Healthcare Group and Suruchi Rani Mandal (Student 2019-21 batch) and could not attend the meeting due to some prior commitments.

The following agenda items were discussed and resolved after thorough deliberations:

Item no. I. To review and approve the proposed changes, course structure and syllabus for M.Sc. Microbiology for academic session 2022-2024

The course learning outcomes (CLO) are added in all the courses and the CLOs are mapped with the course content. To following changes are proposed for the M Sc. Microbiology curriculum for academic session 2022-2024

Courses Added/Revised	Courses Removed/ Moved
Semester I (Total Credits:21) New course Population Genetics and Genetic Epidemiology (HGE.528) added as Discipline elective.	1. Natural Product Chemistry (CHM.575) removed from the list of Discipline electives.
Semester II (Total Credits:23) 1. A new course of Research Methodology and Biostatistics (MIC.530) is introduced. About 50% of the course is now changed. 2. Industrial Microbiology (MIC.551) course is modified where upto 20% content is revised. 3. Environmental Microbiology (MIC.524) syllabus is modified and added as new course to be offered as Compulsory foundation instead of Discipline Elective. 4. Genetic Engineering and Recombinant DNA Technology (MIC.556) is offered as New Discipline elective. 5. Neurobiology and Degenerative Pathophysiology (ZOL.554) added as new	1. Research Methodology and Bioinformatics (MIC.526) and Biostatistics (MIC.527) courses removed. 2. Cancer Biology (ZOL.552) and Population Genetics and Genetic Epidemiology (HGE.528) removed from the list of Discipline electives.

Handwritten signatures:
 Y...
 M...
 G...

Discipline elective course. 6. The content in Microbiology Practical-II (MIC 528) is modified where about 25% content is added which is relevant for the core courses.	
Semester III (Total Credits:22) 1. Pharmaceutical Microbiology (MIC.557) 20% of the content is modified and renamed as new course Microbia Biotechnology (MIC. 559). 2. Entrepreneurship in Microbiology course is modified. 3. Research Proposal (MIC.599) is renamed as Dissertation Part I (MIC 600)	1. Genetic Engineering and Recombinant DNA Technology (MIC.556), Pharmaceutical Microbiology (MIC.557) and Neurobiology and Degeneration (ZOL.554) removed from the list of Discipline electives.
Semester IV (Total Credits:20) Dissertation (MIC. 600) is renamed as Dissertation Part II (MIC. 601)	

Resolution: The experts appreciated the efforts and accepted the proposed changes in the course structure and syllabus for M.Sc. Microbiology for academic session 2022-2024 and is enclosed as annexure-I.

Suggestions from Experts for M.Sc. Microbiology program:

1. A broader terminology for Bacteriology & Virology course title should be used.
2. Include the details of the MOOCs

Resolution:

1. The Bacteriology & Virology course title is now modified to Medical Microbiology.
2. The detail to opt for MOOCs has been added in the curriculum.

Item no. III. Changes in course structure and syllabus for PhD program in Microbiology for session 2022.

1. The course learning outcomes (CLO) are added in all the courses and the CLOs are mapped with the course content.
2. Advanced Microbiology (MIC 702) course is renamed as Trends in Microbiology (MIC.702).
3. The Advanced Microbiology course is modified where components of Environmental, Agriculture and food microbiology is added. About 40% new content is added.
4. Two new university wide courses Teaching Assistantship (MIC.752) and Curriculum, Pedagogy and Evaluation (UNI.753) in the PhD course work are added.

Resolution: The experts accepted the proposed changes in the course structure and syllabus for PhD Microbiology for academic session 2022-2024.

Suggestions from Experts for PhD program:

1. Include the content about Microbiome & Immune system, bioinformatics topic/tools specific to microbiology and Fermentation and industrial microbiology related topics in the course **Trends in Microbiology**

[Handwritten signature]

[Handwritten signature]

[Handwritten signature]

Resolution: The suggestions are well accepted and are incorporated in the Trends in Microbiology course. The revised course structure and syllabus for PhD program in Microbiology for session 2022 is enclosed as annexure-II.

Item no. IV. To review the feedback from stakeholders.

Curriculum feedback from different students, their parents, alumni, and faculty members will be discussed and reviewed.

Resolution: The feedback from the stakeholders was analysed, many suggestions are incorporated in the curriculum. The Analysis and action taken report is enclosed at annexure-III

The BoS discussed the agenda items at length including the comments received by the external experts. All revised files for the above agenda items are sent to BoS members for approval and recommendation which will be further placed in the School Board.

BoS Members

<i>Approved via email</i> Prof. Ramakrishna Wusirika Dept. of Biochemistry	<i>Approved</i> Prof. Anjana Munshi Dept. of Human Genetics and Mol Med	<i>Monish</i> Prof. Monisha Dhiman Chairperson and HoD
<i>Approved via email</i> Prof. Felix Bast Department Botany	<i>Approved</i> Dr. E. W. Yogalakshmi Associate Professor, EVST	<i>Approved</i> Dr. Pramod Kushawaha Assistant Professor, Microbiology
<i>Nazir</i> Dr Nazir Salam Assistant Professor, Microbiology		

Alumni Student Representative
Suruchi Rani

External Experts

Prof. DD Singh, Dept. of Biotechnology, Panjab University

DD Singh
17/5/22

Prof. Human Dhar, Special Centre for Molecular Medicine, JNU, New Delhi

Basak
17/05/22

Dr. Soumen Basak, Staff Scientist VI, Systems Immunology Laboratory National Institute of Immunology, New Delhi

Industry expert

Dr. Saigda Gupta, Associate Director, Prescient Healthcare Group

ml

