

Central University of Punjab

Ref no:

Dated: 15-02-2019

Subject: Minutes of the meeting of Board of Studies of Department of Biochemistry and Microbial Sciences for Academic Session 2019-21

A meeting of Board of Studies of Department of Biochemistry and Microbial Sciences was held on 15 February, 2019 at 2:30 pm in Committee Room (Academic Block)

The agenda for the meeting is given below:

1. To review and approve the proposed changes, course structure and syllabus for M.Sc. Life Sciences with specialization in Biochemistry for academic session 2019-21
2. To review and approve the proposed changes, course structure and syllabus for M.Sc. Life Sciences with specialization in Microbial Sciences for academic session 2019-21
3. To review and approve the course structure and syllabus for the PhD program in Biochemistry and PhD program in Microbial Sciences (2019-20).

The agenda items placed before the BoS and following changes were incorporated in various courses:

Item no. I. M.Sc. Life Sciences with specialization in Biochemistry for academic session 2019-21.

1. The learning outcomes and mode of transaction for each course added.
2. The Value added course "Ethics for Science (LBC. 504)" offered in semester I and IV for the interdisciplinary students.
3. Research Methodology (LMS.513) shifted from semester I to semester II, thereby the credits of First semester reduced to 20 from 24.
4. In semester II the Computer Application (CST.501) and Computer Application Lab (CST.502) is removed and the basic computer applications topic is added in RM.
5. The credits of Metabolism-I (LBC.525) increased to 4 credits from 3 in Semester II.
6. The course Principles of Evolutionary and Developmental Biology (LMS.560) in semester III modified and basics of ecology added and the course title modified to "Principles of Ecology, Evolution and Developmental Biology".
7. The credits of Metabolism-II (LBC.551) increased to 4 credits from 3 in Semester III, making the total credits "24" in semester III.
8. The credits of Secondary Metabolites and Metabolic Engineering (LBC.572) increased to 3 credits from 2 in Semester IV, making the total credits "23" in semester IV.
9. Minor changes in Animal Physiology (LBC. 553) course.

Item no. II. M.Sc. Life Sciences with specialization in Microbial Sciences for academic session 2019-21.

1. As suggested in the curriculum audit the learning outcomes and mode of transaction for each course is added.
2. The department is offering a Value added course "Ethics for Science (LBC. 504)" in semester I and IV for the interdisciplinary students.
3. Research Methodology (LMS.513) shifted from semester I to semester II, thereby the credits of First semester reduced to 20 from 24.

4. In semester II the Computer Application (CST.501) and Computer Application Lab (CST.502) removed and the basic computer applications topic is added in RM.
5. In semester III, the Industrial and Environmental Microbiology course (LMS. 551) is very bulky and is now splitted into two courses Industrial Microbiology (LMS.551) and Environmental Microbiology (LMS. 554) of 3 credits each.
6. In semester III the credits for practical's is increased to 5 credits from 3. The total credits for IIIrd semester is now 25.
7. Content of Microbial Biotechnology (LMS.571) was revised to reduce the overlaps with industrial microbiology.

Item III. PhD Biochemistry and PhD Microbial Sciences programmes (2019-20).

1. No major changes proposed in **PhD Biochemistry courses**.
2. In **PhD Microbial Sciences** in Advanced Microbiology course (LMS.702), Unit I and unit II were merged into one unit. Viral pathogenesis was introduced as a separate Unit (III).

Item IV. Proposal for project/dissertation for MSc programmes

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.

BoS Members

WRK 15/2/19
Prof. Ramakrishna Wusirika
 Professor

Monika
Dr. Monisha Dhiman
 Chairperson and HoD

walkhey
Dr. Malkhey Verma
 Associate Professor

Somesh Baranwal
Dr. Somesh Baranwal
 Assistant Professor

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Dr. Shashank Kumar
 Assistant Professor

on leave
Dr. Manju Jain
 Assistant Professor

on leave
Dr. Jyoti Prakash
 Department of Animal Sciences

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Dr. Pankaj Bhardwaj
 Department of Plant Sciences

[Signature]
Dr. Sandeep Singh
 Department of Human Genetics and
 Molecular Medicine

Co-opted Members

[Signature]
Dr. Pramod Kushawaha
 Assistant Professor

External expert

[Signature] 8/1/19
Prof. Javed N Agrewala,