

Board of studies meeting of the Department of Biotechnology was conducted on 29-03-2018 at 11 AM in the Department of Biotechnology. Following members were present in the meeting.

Dr. Jinu John, Secretary, BOS, Assistant Professor, Department of Biotechnology, CMS College, Kottayam

Apology for absence

- Dr. Latha Sadanandan, Assistant Professor, SN College, Kollam, (Faculty member, BOS)
- Dr. Bindu Roy, Scientist, RRII, Kottayam (Expert, BOS)
- Dr. Sunitha T.K, Assistant Professor, SME Kottayam

The Chairman, Prof. (Dr.) Joseph P. Varghese welcomed the members and in his introductory remarks he presented the agenda of the meeting. Mr. Renji Varghese presented the details of the changes made in the revised UG and PG curricula.

The changes made in the UG curriculum are,

Major changes:

1. Change in Order of courses

- **Instead of Core paper 'Operating system and Office Automation (Sem I)' Applied Molecular Biology has been Newly introduced in sem V**
- **Biostatistics of SEM VI has been shifted to SEM I in the position of Operating system and Office Automation**
- **Recombinant DNA Technology (Sem V) has been shifted to Sem VI in the position of Biostatistics**

Explanation: Since the paper *Operating system and Office Automation* is already included in school curriculum, only the very relevant contents of this paper are incorporated in Bioinformatics (Sem VI)

2. Program outcomes and program specific outcomes were included in the revised syllabus script.
3. Learning outcomes of all courses are included in the new syllabus
4. Each course has been restructured in to four modules with subunits (if necessary)
5. Practicals of all the core and complementary courses have been made in to separate courses

6. Credits and instructional hours of theory and practical courses have been defined separately
7. New relevant references were included

Minor Changes

Biotechnology core courses

Semester I: Cell Biology & Developmental Biology: The existing paper *Cell biology and Developmental biology and Evolution* has been renamed as *Cell biology and Developmental biology*, removing the topic *Evolution* (9hr topic) and that has been incorporated in Molecular Biology (Semester 2) course.

- Effective transfer of knowledge to the students and proper organization of the course

Semester I: Biostatistics: only the order changed (Ref. Major Change point 1)

Semester 2: Biophysics and Instrumentation – Content retained but reordered with in the course

Semester 2: Molecular Biology: The Topic *Methods in Molecular Biology* of the existing syllabus is shifted to the newly introduced paper *Molecular and Clinical Laboratory Techniques* (Semester VI). Instead, the topic *Molecular evolution* is included to compensate the instructional hours, which has been shifted from paper *Cell biology, Developmental Biology and Evolution* (in the first semester).

Semester III: Microbiology and Microbial Biotechnology: Repeating contents this course (both in Biotech and Botany core paper) has been replaced with new relevant topics, while they are retained in Botany core paper

Semester III: Immunology: Content retained but reordered with in the course

Semester IV: Animal Biotechnology and Nanobiotechnology: Content retained but reordered with in the course

Semester IV: Plant Biotechnology: Content retained but reordered with in the course

Semester V: ECOTOURISM: Content retained but reordered with in the course

Semester VI: Recombinant DNA Technology: Content retained but reordered with in the course

Semester VI: Phytochemistry and Pharmacognosy: Content retained but reordered with in the course

Biochemistry Complementary Papers (Sem I- Sem IV): Content retained with minor changes (addition of relevant topics)

This was followed by a general discussion on further development of the curriculum and activities of the coming academic year.

The meeting adopts the following resolutions:

Agenda 1: Approval of revised UG curriculum

The Board of studies approved the revised UG curriculum for the academic year 2018-19 including the Botany syllabus approved by the Board of Studies, Botany.

Agenda 2: Approval of PG curriculum

The Board of studies approved the presented PG curriculum for the academic year 2018-19.

Agenda 3: Extra credit and add-on courses

Being a self financing department, it is difficult to get UGC or Government funds. Introduction of these courses will impose extra financial burden on students. Hence BOS decided not to introduce these courses in the coming academic year.

Dr. Jinu John, Secretary, BOS- Biotechnology, proposed the vote of thanks. The meeting concluded at 4.30 PM.

Dr Jinu John
(Member Secretary)

(Read and confirmed)

Prof. Dr. Joseph P. Varghese
(Chairman)

Kottayam
29.03.2018