

DAV University, Jalandhar
Department of Biotechnology

Proceedings of Board of Studies Meeting

A meeting of the Board of Studies in the Department of Biotechnology was held on 9th May, 2022 at 10.30 AM in Committee Room, Administrative Block, DAV University, Jalandhar.

Following members were present in the meeting:

1. Dr. Kashmir Singh (External Expert)
Chairperson
Department of Biotechnology, Panjab University, Chandigarh
2. Dr. Praveen Guleria
Assistant Professor
Department of Biotechnology, DAV University, Jalandhar
3. Dr. Lakhmir Singh
Assistant Professor
Department of Biotechnology, DAV University, Jalandhar
4. Dr. Yogesh Kumar
Assistant Professor
Department of Biotechnology, DAV University, Jalandhar
5. Dr. Sukhdeep Kumar
Assistant Professor
Department of Biotechnology, DAV University, Jalandhar

1. It was discussed and unanimously resolved to approve the proposed outline of schemes and syllabi of the courses of reading for the following programs of Batch 2022:

- a) B.Sc. (Hons.) Biotechnology
- b) M.Sc. (Hons.) Biotechnology
- c) Ph.D. Biotechnology

2. It was discussed and unanimously agreed upon post-facto approval of following changes

2.1. Change in credits and name of course

- a) Food Biotechnology: BTY644A, 3 credits, M.Sc (Hons.) Biotechnology (Session 2020-21).

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- b) Introduction to Environmental Biotechnology: BTY385A, 4 credits, B.Sc (Hons.) Biotechnology (Session 2020-21)
- c) Introduction to Environmental Biotechnology Laboratory: BTY386A, 2 credits, B.Sc (Hons.) Biotechnology (Session 2020-21)

2.2. The course CEC101 Community Engagement Course, 2 Credits was added to the Scheme of B.Sc (Hons) Biotechnology and M.Sc (Hons) Biotechnology Session 2021-22.

3. It was discussed and agreed for the introduction of new courses to Ph.D Biotechnology.

- i) Introduction of Research and Publication Ethics, BOT810, 2 Credits to the Ph.D program
- ii) Introduction of Advance in Computational Biology BTY807, 4 credits to the Ph.D program
- iii) Introduction of Practical Aspects of Plant tissue culture, BTY808, 4 credits to Ph.D program

4. It was discussed and unanimously agreed upon to make following changes in the syllabi with respect to previous year:

B.Sc (Hons.) Biotechnology

- i) Edition of text books and reference books were updated wherever applicable.
- ii) The course MIC111B Introductory Microbiology, 4 credits and MIC112B Introductory Microbiology Laboratory, 2 credits was shifted from semester III to semester I.
- iii) The course CEC101 Community Engagement Course, 2 credits was added as Ability Enhancement Compulsory Course in Semester I.
- iv) The course CEC102 Community Engagement Field Activities, 1 credits was added as Ability Enhancement Compulsory Course in Semester II.
- v) The course BTY125 Principles of Biochemistry, 4 credits and BTY126 Principles of Biochemistry Laboratory, 2 credits was added as Core in Semester III.

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- vi) The course MIC265A Microbial Analysis of Air and Water was added as Skill Enhancement Course in Semester III.
- vii) The course NCC202 Training: Drill, Map Reading, Field and Battle Craft OR Camp, 2 credits was added as Generic Elective in Semester III.
- viii) The course NCC203 Personality Development & Leadership, 4 credits was added as Generic Elective, 4 credits in Semester III.
- ix) The course NCC201 NCC General & Organization, 4 credits was added as Generic Elective in Semester IV.
- x) The course NCC204 Training: Weapon, Infantry & Obstacle OR Camp, 2 credits was added as Generic Elective in Semester IV.
- xi) The courses MIC261 Management of Human Microbial Diseases and MIC264 Food Fermentation Techniques were added as Skill Enhancement Courses in Semester IV.
- xii) The topic Concept of pH was added in the Unit I of course BTY361 Bioanalytical Tools.
- xiii) The practical Applications of spectrophotometry were added and preparation of protoplasts from leaves was removed from BTY362 Bioanalytical Tools Laboratory practical list.
- xiv) The topic comparative genomics was added to Unit II of course BTY363 Genomics and Proteomics.

M.Sc. (Hons.) Biotechnology

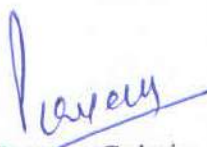
- i) Course codes of following course in M.Sc. (Hons.) Biotechnology syllabus was changed as follows:
 - a) Food Biotechnology: BTY644A, 3 credits
- ii) Edition of text books and reference books were updated wherever applicable.
- iii) Course content of BTY631A Environmental Biotechnology was updated. The topics Environmental problems, ozone depletion, greenhouse effect, water, air and soil pollution, land degradation were added to the Unit I.

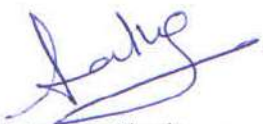
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Ph.D Biotechnology

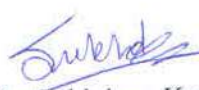
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