

Shri Manibhai Virani & Smt. Navalben Virani Science College, Rajkot
(Autonomous)
Affiliated to Saurashtra University, Rajkot
BOARD OF STUDIES – MICROBIOLOGY
13th Meeting of Board of Studies in Microbiology
Program: B.Sc. Microbiology

Date: 22.05.2023

Time: 11.30 am

Mode: Hybrid

Details of Meeting:

Mode of Meeting	Hybrid - Online and Offline
Date	22 nd May 2023
Time	11.30am
Platform for online participation	Google Meet
Venue and Link Details with ID, Password etc	13th BoS - Microbiology - Shri M. & N. Virani Science College, Rajkot Monday, May 22 · 11:15am – 1:15pm Google Meet joining info Video call link: https://meet.google.com/sxp-qfmb-hvr Or dial: (US) +1 252-745-1041 PIN: 705 194 919#
Venue for off-line meeting	Microbiology Department, Shri M. & N. Virani Science College, Rajkot

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Agenda

1. Introductory remarks by Chairperson of the BoS.

- 1.1 Confirmation of MoM & ATR of previous BoS held on 12/11/2022.
- 1.2 Departmental activities and updates.

2. For B.Sc. Microbiology program – Batch 2021-22 to 2023-24 and Batch 2022-23 to 2024-25:

- 2.1 Scheme of Learning and Evaluation (SLE) for Sem.-5 & 6 of B.Sc. Microbiology
Program (with course title and related details).

- 2.2 Syllabi of all theory & practical courses including core elective and self-study courses of Sem.-5 & 6 of B.Sc. Microbiology program.
 - 2.3 Syllabi and evaluation norms of Part-II - Trans Disciplinary Elective (TDE) course Offered by the department.
 - 2.4 Question paper pattern for all theory & practical courses of Sem.-5 & 6 of B.Sc. Microbiology program.
 - 2.5 List of paper setters and examiners for all theory & practical courses of B.Sc. Microbiology program.
- 3. Curriculum credit framework FYUGP – For Students admitted from A.Y. 2023-24 & onwards**
- 3.1 Regulations for UG program – B.Sc. / B.Sc. (Honours) Microbiology program.
 - 3.2 Scheme of Learning & Evaluation (SLE) for all semesters and with course title and related details for Sem.-1 of UG program – B.Sc. / B.Sc. (Honours) / B.Sc. (Honours with Research) Microbiology program (based on the recommendations for 4-year UG Program under Curriculum and Credit Framework for Undergraduate Programs – Guidelines /framework/ regulations of UGC, Gujarat Government and affiliating Saurashtra University in light of NEP-2020).
 - 3.3 Syllabi of all theory & practical courses of Sem.-1 of B.Sc. / B.Sc. (Honours) / B.Sc. (Honours with Research) Microbiology program.
 - 3.4 Syllabi for courses offered to other programs / departments in Sem.-1.
 - 3.5 Syllabi for Value Added courses / Skill Enhancement courses offered by the department In Sem.-1
 - 3.6 Question paper pattern for all theory & practical courses of Sem.-1 of B.Sc. / B.Sc. (Honours) / B.Sc. (Honours with Research) Microbiology program.
 - 3.7 List of paper setters and examiners for all theory & practical courses of Sem.-1 of B.Sc. / B.Sc. (Honours) / B.Sc. (Honours with Research) Microbiology program.
 - 3.8 Recommendations for implementation of credit equivalence / transfer for MOOCs including SWAYAM NPTEL platform / e-learning portals.
- 4. Any other agenda:** Authorization to the BoS Chairperson for amendment / revision in BoS agenda in line / tune with latest revised guidelines / framework issued by UGC, Gujarat Government and Saurashtra University from time to time.

Minutes of Meeting:

The Board of Studies in Microbiology met as indicated above and discussed on the aforementioned Agenda. Sharing the expertise of all the members and with very proactive inputs, the members unanimously resolved the following:

A. For B.Sc. Microbiology program – Batch 2021-22 to 2023-24 and Batch 2022-23 to 2024-25:

1. **MoM of previous BoS** held on 12/11/2022 was confirmed by the esteemed members of the board
2. **Scheme of Learning and Evaluation for 5th& 6thSem.** of B.Sc. Microbiology programme (with course title and related details). was **discussed & framed.** – **(Enclosure – I)**
The above will be effective for students admitted in **AY 2021-22&2022-23**
3. **Syllabi of all theory & practical courses including core elective and self-study courses** of 5th& 6thSem. of B.Sc. Microbiology programme were **discussed & framed.** – **(Enclosure – II)**

- **New Courses introduced:**

1. Pharmaceutical Microbiology (Core Elective – Semester – V)
2. Biostatistics and Bioinformatics (Core Course – Semester – VI)
3. Forensic Microbiology (Core Course – Semester – VI)

- **New Components Introduced:**

1. **Trans Disciplinary Course** – Semester –V – IPR, Copyright and Patenting
2. **Core Enrichment – 3:** Internship / Training – Performed in the Vacation of Sem – IV, to be Evaluated in Semester - V
3. **Core Enrichment – 4:** Minor Project / Dissertation / Review Article / Instrumental Training / Industrial Tour report - Semester V
4. **Core Enrichment - 5:** Project / Start-up/ Skill Training

- **Courses Modified:**

1. 21UMBCC504- **Core Practical – 5** –Clinical and Molecular Microbiology
2. 21UMBCC604 - **Core Practical – 6** – Medical and Forensic Microbiology

The above will be effective for students admitted from **AY 2021-22&2022-23**

4. Syllabi of Part-II: Trans Disciplinary Elective Course (TDE) offered by the department were **discussed & framed.** - **(Enclosure –III)**

- **List of courses where syllabus is modified 20% & more** in terms of content:

1. 21UMBCC504- **Core Practical – 5** –Clinical and Molecular Microbiology
2. 21UMBCC604 - **Core Practical – 6** – Medical and Forensic Microbiology

- **List of the courses whose title got changed:**

1. 21UMBCC504- **Core Practical – 5** –Clinical and Molecular Microbiology
2. 21UMBCC604 - **Core Practical – 6** – Medical and Forensic Microbiology

The detailed syllabi in the new format for adoption of OBE indicating course outcomes with K levels, pedagogical & assessment tools as appended

The above will be effective for students admitted in **AY 2021-22&2022-23**

5. **List of Paper Setter and Examiner** for the 5th& 6th Semester courses were discussed and finalized as indicated in (**Enclosure – IV**)
6. **Question paper pattern** for 5th& 6th Semester theory & practical courses were discussed and finalized (**Enclosure – V**)

B. Curriculum credit framework FYUGP – For Students admitted from A.Y. 2023-24 & onwards

7. **Regulations** for UG program – B.Sc. / B.Sc. (Honours) Microbiology program **were discussed and framed.(Enclosure – VI)**
8. **Scheme of Learning & Evaluation (SLE)** for all semesters and with course title and Related details for Sem.-1 of UG program – B.Sc. / B.Sc. (Honours) / B.Sc. (Honours With Research) Microbiology program (based on the recommendations for 4-year UG Program under Curriculum and Credit Framework for Undergraduate Programs – Guidelines /framework/ regulations of UGC, Gujarat Government and affiliating Saurashtra University in light of NEP-2020)**were discussed and framed. (Enclosure – VII)**
9. **Syllabi** of all theory & practical courses of Sem.-1 of B.Sc. / B.Sc. (Honours) / B.Sc. (Honours with Research) Microbiology program**were discussed and framed. (Enclosure – VIII)**
10. **Syllabi for courses offered to other programs / departments** in Sem.-1**discussed and framed.**
 - a. **Course offered to Biochemistry Department:** Fundamentals of Microbiology
 - b. **Multidisciplinary course for the common basket:** Microbiology in Human Welfare was **discussed and framed.(Enclosure – IX)**
11. **Syllabi for Value Added courses / Skill Enhancement courses** offered by the department in Sem.-1**was discussed and framed(Enclosure – X)**
 - a. **SEC of the Department:** Microbiology in Human welfare.
12. **Question paper pattern** for all theory & practical courses of Sem.-1 of B.Sc. / B.Sc. (Honours) / B.Sc. (Honours with Research) Microbiology program courses **were discussed and finalized (Enclosure – XI)**
13. **List of paper setters and examiners** for all theory & practical courses of Sem.-1 of B.Sc. / B.Sc. (Honours) / B.Sc. (Honours with Research) Microbiology program **were discussed and finalized (Enclosure – XII)**
14. **Ref: Credit Transfer from Swayam-NPTEL:** Recommendations for universities to implement credit transfer from Swayam NPTEL MOOCs date of creation 10th July, 2019.
As per the presentation & deliberation made in session-1: General meeting of all BoS followed by discussion in subject specific BoS on 22nd May 2023; following resolutions related to credit transfer from MOOCs were made:
 - 1) For Part-II discipline specific core MOOCs Swayam-NPTEL e-learning portal be considered.
 - 2) For Part-I & III courses coursera, edX, Khan Academy etc., e-learning platforms be considered in addition to NPTEL.
 - 3) Following options from the above guideline be considered:
Option 1: Domain Certifications, Option 3: Cultivating the habit of self-study – General/Open Elective Category & Option 4: Partial Credits

4) Recommendations for NPTEL MOOCs for students admitted from 2023-24 & onwards, will be presented in ensuing BoS for the resolution & approval.

15. **The members of BoS unanimously agreed to give authorization to the BoS Chairperson for amendment / revision in BoS agenda in line / tune with latest revised guidelines / framework issued by UGC, Gujarat Government and Saurashtra University from time to time.**

BoS Members:

S.No.	Name	Designation	Presence/Absence
1.	Dr. Neeпа Pandhi	Head of Department, Chairperson	Present
2.	Dr. Ramesh Kothari	Subject Expert, VC Nominee	Present -Online
3.	Dr. Mehul Dave	Subject expert, AC Nominee	Present -Online
4.	Dr. Rohan Pandya	Subject expert, AC Nominee	Present -Online
5.	Dr. Madhavi Joshi-Bagtharia	Industry Representative	Present -Online
6.	Dr. Vasant Jadeja	Faculty Member	Present
7.	Dr. Hitarth Bhatt	Faculty Member	Present
8.	(Dr.) Vivek Pattani	Faculty Member	Present
9.	Dr. Rajesh Patel	Meritorious PG Alumni	Present -Online

