

B.Sc. Microbiology

Board of Studies.

The board of studies meeting is held on ~~22/2~~ 15/3/2021 at 10:30 AM in the Department of Microbiology. Members of the board of studies thoroughly analyzed the newly formed syllabus based on the UGC, Tanzeel and local (MSU) university syllabus.

12 DSC (Discipline Specific course)

1. Microbial World & Bacteriology.
2. Virology, Phycology, Mycology and Parasitology.
3. Microbial physiology and Metabolism.
4. Biochemistry
5. Environmental Microbiology.
6. Microbial Genetics
7. Immunology
8. Biotechnology.
9. Food & Dairy Microbiology
10. Medical Microbiology
11. Industrial Microbiology
12. Agricultural Microbiology.

Discipline Specific Elective (2) DSE

1. Medical Lab Technology Microbial Nanotechnology
2. Bioinformatics
3. Genetic Engineering & Project

Allied (A)

1. Aquatic Microbiology
2. Entrepreneurship on Microbiology
3. Analytical Bioinstrumentation
4. Pharmaceutical Microbiology & Quality Assurance

NME (2)

- 1) Vermiculture and Mushroom Technology
- 2) Aquaculture & Apiculture

SFC (2)

- 1) Food processing & quality Control
- 2) Basic Dietetics

SFC I and SFC III

Practicals

Discipline Specific ~~Elective~~ ^{Core} Practical (DSEF)

DSCP 1 to DSCP 8

Introduction to Computers
Personality Development

Allied Practical

Allied 2+2

Environmental Studies & value Education are common in Ist and IInd sem respectively

The members of the board of studies recommended the project may be shifted to V Semester from VI Semester

* The research project may be helpful to publish a paper and also they present their work in state/national/international seminars.

* For the ~~st~~ equal sharing of the course, the add on course may be shifted to II year, this is also the recommendation of U.Nominee & Subject expert

In addition to the recommendations suggested by NAAC, Autonomous Review Committee, the members of the Board of Studies were also recommended to implement the allied subjects like Chemistry or Zoology or Botany to strengthen the curriculum & for the benefit of student employment opportunities.

The members are,

- 1. Dr. C.S. Sivaraj Kumarabasi Arachin
Asst. Prof, Microbiology, St. Mary's College
Tuticorin University nominee C.S.K. Jeyaraj 15/05/2021
- 2. M. D. Kannan
Asst. Prof & HOD of Microbiology,
K.R. Arts & College of Arts & Science
Kovilpatti Subject Expert - I J.K. Jeyaraj 15/05/2021
- 3. Dr. Jeyakumar, Asst. professor
W, Dept of Microbiology,
Kamara Petals & Science College,
Suzandi. Subject Expert - II. roopjeyaraj 15/05/2021
- 4. Dr. R. Janet Rani Chairman Uthirankottai
- 5) Dr. K. Chitra member Chitra
- 6) Dr. M. Sen thil. " S. S. Jeyaraj
- 7) Mr. S. Hameedullah Sharief " S. S. Jeyaraj
- 8. Dr. Peraz Khan K " S. S. Jeyaraj
- 9. Dr. M. Mahabhar " S. S. Jeyaraj
- 10. Dr. K. Karitha " K. Karitha
- 11. Dr. C. Peraz Khan " C. Peraz Khan

* The members of the Board of Studies resolved to introduce the new course revise the syllabus as mentioned in the annexure.
Chairman / BOS, Microbiology.
Uthirankottai 15/3/2021

Dr. R. JANET RANI
M.Sc. (Microbiology)
Head and Assistant Professor
Department of Microbiology
Sadarathurai Appa College
Rahmath Nagar, Tuticorin
Tamil Nadu, India.
CHAIRMAN / CHAIRPERSON

[Signature]
DEAN OF SCIENCES

[Signature]
PRINCIPAL



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Annexure –I

Department of Microbiology (UG)

The Board of Studies for the Department of Microbiology (UG) was held on 15.03.2021 for the approval of 2021-2024 syllabus. The number of new courses, courses focussing on Skill Development / Employability / Entrepreneurship, the percentage of revision are mentioned below.

New Courses introduced

S. No	Title of the course	Course code
1	Entrepreneur in Microbiology	21UAMB21
2	Techniques in Entrepreneur Microbiology	21UAMB2P1
3	Veterinary Microbiology	21UEMB1B
4	Plant Pathology and Disease Management	21UEMB2A
5	Herbal Technology	21UEMB3B
6	Public Health Microbiology	21UEMB3C

Courses focused on Skill development/Employability/Entrepreneurship

S. No	Title of the course	Course Code	Category
1	Aquatic Microbiology	21UAMB11	Skill Development
2	Techniques in Microbiology and Microbial Diversity	21UCMB1P1	Skill Development/ Employability
3	Techniques in Aquatic Microbiology	21UAMB1P1	Skill Development/ Employability
4	Entrepreneur in Microbiology	21UAMB21	Skill Development/ Employability/ Entrepreneurship
5	Techniques in Entrepreneur Microbiology	21UAMB2P1	Skill Development/ Employability/ Entrepreneurship
6	Veterinary Microbiology	21UEMB1B	Skill Development/ Employability
7	Plant Pathology and Disease Management	21UEMB2A	Skill Development/ Employability
8	Herbal Technology	21UEMB3B	Skill Development/ Employability
9	Public Health Microbiology	21UEMB3C	Skill Development/ Employability
10	Environmental Microbiology	21UCMB31	Skill Development
11	Techniques in Microbial Physiology and Biochemistry	21UCMB2P1	Skill Development/ Employability





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12	Techniques in Biotechnology	21UCMB4P1	Skill Development/ Employability
13	Bioinformatics	21UEMB3A	Skill Development
14	Techniques Environmental Microbiology	21UCMB3P1	Skill Development
15	Techniques in Bioinstrumentation	21UAMB3P1	Skill Development
16	Vermiculture and Mushroom Technology	21UNMB31	Entrepreneurship
17	Pharmaceutical Microbiology	21UAMB41	Employability
18	Aquaculture and Apiculture	21UNMB41	Entrepreneurship
19	Immunology	21UCMB51	Skill Development
20	Food and Dairy Microbiology	21UCMB53	Employability
21	Genetic Engineering	21UEMB2B	Skill Development
22	Techniques in Immunology	21UCMB5P1	Skill Development/ Employability
23	Techniques in Microbial genetics and Food Microbiology	21UCMB5P2	Skill Development/ Employability
24	Food Processing and quality control	21USMB41	Employability
25	Medical Microbiology	21UCMB61	Employability
26	Industrial Microbiology	21UCMB62	Employability
27	Project	21UEMB62	Skill Development/ Employability/ Entrepreneurship
28	Biostatistics	21UEMB1C	Skill Development
29	Techniques in medical microbiology	21UCMB6P1	Skill Development/Employability
30	Techniques in industrial microbiology	21UCMB6P2	Skill Development/Employability

PERCENTAGE OF REVISION

S. No	Title of the course	Course code	Percentage
1	Entrepreneur in Microbiology	21UAMB21	100%
2	Techniques in Entrepreneur Microbiology	21UAMB2P1	100%
3	Veterinary Microbiology	21UEMB1B	100%
4	Plant Pathology and Disease Management	21UEMB2A	100%
5	Herbal Technology	21UEMB3B	100%
6	Public Health Microbiology	21UEMB3C	100%
7	Microbial World and Bacteriology	21UCMB11	54%
8	Virology, Mycology, Phycology and Parasitology	21UCMB12	48%
9	Aquatic Microbiology	21UAMB11	22%





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10	Techniques in Microbiology	21UCMB1P1	8%
11	Techniques in Aquatic Microbiology	21UAMB1P1	8%
12	Microbial Physiology and Metabolism	21UCMB21	32%
13	Biochemistry	21UCMB22	26 %
14	Techniques in Microbial Physiology and Biochemistry	21UCMB2P1	8%
15	Environmental Microbiology	21UCMB31	74%
16	Bioinstrumentation	21UAMB31	64%
17	Techniques in Environmental Microbiology	21UCMB3P1	8%
18	Microbial Biotechnology	21UCMB41	59%
19	Food Processing and Quality Control	21USMB42	62%
20	Pharmaceutical Microbiology and Quality Assurance	21UAMB41	70%
21	Techniques in Biotechnology	21UCMB4P1	2%
22	Techniques in Pharmaceutical Microbiology	21UAMB4P1	2%
23	Immunology	21UCMB51	32%
24	Microbial Genetics	21UCMB52	2%
25	Food and Dairy Microbiology	21UCMB53	40%
26	Microbial Nanotechnology	21UEMB1A	30%
27	Cell Biology	21UEMB2C	46%
28	Techniques in Food and Genetic Microbiology	21UCMB5P2	4%
29	Medical Microbiology	21UCMB61	25%
30	Industrial Microbiology	21UCMB62	35%
31	Agricultural Microbiology	21UCMB63	70%
32	Bioinformatics	21UEMB3A	10%
33	Techniques in Medical Microbiology	21UCMB6P1	6%
34	Techniques in Industrial and Agricultural Microbiology	21UCMB6P2	6%

Total Percentage of Revision: 38 %

Total number of Courses: 42


PRINCIPAL

