



KANNUR UNIVERSITY

(Abstract)

M.Sc. Microbiology programme under Choice Based Credit Semester System in the University Department- Number of electives to be chosen - Specified - Scheme implemented with effect from 2015 admission- Rectified - Orders issued.

ACADEMIC C SECTION

No.Acad/C4/ 12013/2014

Civil Station P.O, Dated: 16 .06.2018.

- Read :
1. U.O. No.Acad/C4/12013/2014 dated .05.11.2015.
 2. U.O. No.Acad/C4/12013/2014/ii dated 06.01.2018.
 3. U.O.Note No.EP I/296/L.Sc/2016 dated 11/05/2018.
 4. Letter No. Nil. Dated.06/06/2018 from the HOD, Dept. of Biotechnology & Microbiology, Thalassery.

ORDER

1. As per the paper read(1) above, the Scheme, Syllabus and Model Question Paper of M.Sc. Biotechnology and Microbiology Programme were implemented in the University Department w.e.f. 2015 admission and certain modifications were effected in the same vide paper read(2) above.
2. The Examination Branch, vide the paper read (3) above, pointed out certain anomalies in the Syllabus of the M.Sc. Microbiology Programme, stating that the details of the electives were not specified in the Syllabus.
3. Since the deficiency in the Syllabus concerned was noticed, the matter was referred to the Head, Department of Biotechnology and Microbiology of the University.
4. The Head, Department of Biotechnology & Microbiology clarified that six electives are compulsory for M.Sc. Microbiology Programme and that two electives are to be chosen from IVth semester.
5. The Vice Chancellor after considering the matter in detail, and in exercise of the powers of the Academic Council conferred under section 11(1) of KU Act 1996, and all other enabling provisions read together with, has accorded sanction to implement the revised Scheme of MSc. Microbiology Programme w. e. f. 2015 admission by specifying the electives to be chosen (i.e, six electives are compulsory and two electives are to chosen from IVth Semester.), subject to report to the Academic Council.
6. The details of the revised Scheme of the M.Sc. Microbiology programme are attached as Appendix to this Order.

P.T.O

7. U.O read (1) and (2) above stand modified to this extent.
8. The modified Scheme of M.Sc. Microbiology Programme implemented in the University Department w.e.f 2015 admission is uploaded in the University Website.
9. Orders are issued accordingly.

Sd/-
**JOINT REGISTRAR (ACADEMIC)
FOR REGISTRAR**

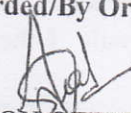
To

The HOD , Dept. of Biotechnology & Microbiology
Thalassery Campus

Copy to

1. The Examination Branch
2. PS to VC/PA to PVC/PA to Registrar/PA to CE.
3. ExC1 Branch/AR II Exam
4. JR/AR-I (Academic).
5. SF/DF/FC
6. The computer programmer (for uploading in the University Website)

Forwarded/By Order


SECTION OFFICER





COURSES OFFERED IN THE M.Sc. MICROBIOLOGY PROGRAMME OF THE UTY. DEPARTMENT

SEMESTER I

Sl. No.	Course Code	Title of the course	Contact Hours/Week			Marks			Credits
			L	T/S	P	ESE	CE	Total	
CORE COURSES									
1	BMM1 C01	Biochemistry	3	2	3	60	40	100	4
2	BMM1 C02	Cell Biology	3	2	3	60	40	100	4
3	BMM1 C03	Genetics	3	2	3	60	40	100	4
4	BMM1 C04	General Microbiology	3	2	3	60	40	100	4
ELECTIVE COURSES									
5	BMM1 E01	Biostatistics	3	2	0	60	40	100	3
6	BMM1 E02	Instrumentation	3	2	0	60	40	100	3

SEMESTER II

Sl. No.	Course Code	Title of the course	Contact Hours/Week			Marks			Credits
			L	T/S	P	ESE	CE	Total	
CORE COURSES									
7	BMM2 C05	Biophysics	3	2	3	60	40	100	4
8	BMM2 C06	Human Physiology	3	2	3	60	40	100	4
9	BMM2 C07	Immunology	3	2	3	60	40	100	4
10	BMM2 C08	Intermediary Metabolism	3	2	3	60	40	100	4
ELECTIVE COURSES									
11	BMM2 E03	Molecular Biology	3	2	0	60	40	100	3
12	BMM2 E04	Food Microbiology	3	2	0	60	40	100	3

SEMESTER III

Sl. No.	Course Code	Title of the course	Contact Hours/Week			Marks			Credits
			L	T/S	P	ESE	CE	Total	
CORE COURSES									
13	BMM3 C09	Microbial Technology	3	2	3	60	40	100	4
14	BMM3 C10	Systematic Bacteriology	3	2	3	60	40	100	4
15	BMM3 C11	Virology, Mycology and Protozoology	3	2	3	60	40	100	4
16	BMM3 C12	Environmental Microbiology	3	2	3	60	40	100	4
ELECTIVE COURSES									
17	BMM3 E05	Recombinant DNA Technology	3	2	0	60	40	100	3
18	BMM3 E06	Enzymology	3	2	0	60	40	100	3

SEMESTER IV

Sl. No.	Course Code	Title of the course	Contact Hours/Week			Marks			Credits
			L	T/S	P	ESE	CE	Total	
19	BMM4 C13	Project				300	0	300	12
20	BMM4 C14	Viva Voce				100	0	100	2
ELECTIVE COURSES									
21	BMM4 E07	Biotechnology in Medicine, Health, Agriculture and Environment	3	2	0	60	40	100	3
22	BMM4 E08	Bioinformatics	3	2	0	60	40	100	3
23	BMM4 E09	Ethics, Patency & Intellectual Property rights	3	2	0	60	40	100	3

Six Electives are compulsory. Two electives are to be selected from IV Semester .60 marks for core courses having theory and practical components inclusive of 45 marks for theory and 15 marks for practical.