



UNIVERSITY OF CALICUT

Abstract

General and Academic - Faculty of Science - Syllabus of MSc Microbiology Programme under CBCSS PG Regulations 2019 with effect from 2019 Admission onwards -Implemented- Orders Issued.

G & A - IV - J

U.O.No. 8861/2019/Admn

Dated, Calicut University.P.O, 05.07.2019

- Read:-*1. U.O.No. 4487/2019/Admn dated 26.03.2019
2. Minutes of the meeting of the Board of Studies in Microbiology held on 08.04.2019
3. Item No. I.10 in the minutes of the meeting of Faculty of Science held on 27.06.2019

ORDER

The Regulations for Choice Based Credit and Semester System for Post Graduate (PG) Curriculum-2019 (CBCSS PG Regulations 2019), for all PG Programmes under Affiliated Colleges and SDE/Private Registration with effect from 2019 Admission has been implemented in the University of Calicut vide paper read first above.

The meeting of the Board of Studies in Microbiology held on 08.04.2019 has approved the Syllabus of MSc Programme in tune with new CBCSS PG Regulations implemented with effect from 2019 Admission onwards, vide paper read second above.

The Faculty of Science at its meeting held on 27.06.2019 has approved the minutes of the meeting of the Board of Studies in Microbiology held on 08.04.2019, vide paper read third above.

Under these circumstances, considering the urgency, the Vice Chancellor has accorded sanction to implement the Scheme and Syllabus of MSc Microbiology Programme in accordance with the new CBCSS PG Regulations 2019, in the University of Calicut with effect from 2019 Admission onwards, subject to ratification by the Academic Council.

The Scheme and Syllabus of MSc Microbiology Programme in accordance with CBCSS PG Regulations 2019, is therefore implemented in the University with effect from 2019 Admission onwards.

Orders are issued accordingly. (Syllabus appended)

Biju George K

Assistant Registrar

To

The Principals of all Affiliated Colleges

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Forwarded / By Order

Section Officer



UNIVERSITY OF CALICUT

M.Sc. Microbiology (CBCSS) Syllabus

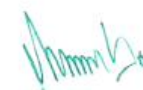
For affiliated colleges

2019 Admission onwards

Detailed Scheme for the M. Sc. Microbiology (CBCSS) course 2019

Course			Contact Hours/Week	Credit	Exam Duration	Weightage	
						Ext	Int
Semester I	1.	MBGIC01. General Biochemistry and Microbial Metabolism	4	4	3 Hours	4	1
	2.	MBGIC02. Biophysics and Instrumentation	3	3	3 Hours	4	1
	3.	MBGIC03. Environmental and Sanitation Microbiology	3	3	3 Hours	4	1
	4.	MBGIC04. Agricultural Microbiology and Plant Pathology	3	2	3 Hours	4	1
	5.	MBGIL01. Practical I	6	4	1 day x 5 Hours	4	1
	6.	MBGIL02. Practical II	6	4	2 days x 5 hours	4	1
Total			25	20			
Semester II	7.	MBG2C05. Principles of Genetics	5	4	3 Hours	4	1
	8.	MBG2C06. Food and Dairy Microbiology	5	4	3 Hours	4	1
	9.	MBG2C07. Industrial Microbiology	4	4	3 Hours	4	1
	10.	MBG2C08. Immunology	5	4	3 Hours	4	1
	11.	MBG2L03. Practical III	6	4	2 days x 5 hours	4	1
Total			25	20			
Semester III	12.	MBG3C09. Medical Microbiology	5	4	3 Hours	4	1
	13.	MBG3C10. Molecular biology	4	4	3 Hours	4	1
	14.	MBG3E01. Diagnostic microbiology	4	4	3 Hours	4	1
	15.	MBG3E02. Cell Biology					1
	16.	MBG3E03. Microbial Taxonomy					1
	17.	MBG3L04 Practical IV	6	4	2 days x 5 hours ¹	4	1
18.	MBG3L05. Practical V	6	4	2 days x 5 hours ²	4	1	
Total			25	20			
Semester IV	19.	MBG4C11. Biostatistics and Bioinformatics	4	4	3 Hours	4	1
	20.	MBG4E04. Microbial Biotechnology	4	4	3 Hours	4	1
	21.	MBG4E05. Genetic engineering					1
	22.	MBG4E06. Biosafety, Bioethics and IPR					1
	23.	MBG4L06. Practical VI	6	4	1 day x 5 Hours	4	1
	24.	MBG4P. Dissertation	11	8	1 day x 5 Hours	4	1
Total			25	20			
Grand Total				80			
Audit Course I: Ability Enhancement Course (AEC)			No workload	4			
Audit Course II (PCC): Professional Competency Course (PCC)				4			




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