



UNIVERSITY OF CALICUT

Abstract

BSc in Microbiology-CUCBCSS UG 2014-Scheme and Syllabus revised- Approved-Implemented-w.e.f 2018 Admissions- Orders issued.

G & A - IV - J

U.O.No. 12/2018/Admn

Dated, Calicut University.P.O, 01.01.2018

- Read:-*1. U.O.No. 7451/2014/Admn Dated,, 01.08.2014.
2. Minutes of the meeting of Board of Studies in Microbiology held on 14.06.2017.
3. Minutes of the Faculty of Science held on 10.07.2017 item. No.14.
4. Minutes of the meeting of the LXXVI meeting of the Academic Council held on 17.07.2017 item No.II.H.
5. Orders of the Vice Chancellor in the file of 191466/GA IV/J1/2013/CU dated 27.07.2017.

ORDER

Vide paper read first above, B.Sc Microbiology syllabus was implemented under CUCBCSS Regulations w.e.f 2014 admissions.

Vide paper read second above, the Board of Studies in Microbiology held on 14.06.2017 as item No. 3 has resolved to approve the revised B.Sc Microbiology syllabus.

Vide paper read third above, the meeting of Faculty of Science held on 10.07.2017 as item. No.14.has resolved to approve the minutes of the meeting of the Board of Studies in Microbiology and recommended to implement the syllabus for B.Sc in Microbiology w.e.f 2018 admission onwards.

Vide paper read fourth above,the Academic Council held on 17.07.2017 as item No. II H has approved the minutes of Faculty of Science.

Vide paper read fifth above,the Vice Chancellor has accorded sanction to implement the resolution of the Academic Council.

Sanction has, therefore, been accorded for implementing the revised Syllabus of B.Sc Programme in Microbiology under CUCBCSS Regulations 2014 w.e.f 2018 Admissions.

Orders are issued accordingly.

(The syllabus appended)

Ajitha P.P

Joint Registrar

To

To

1. All Affiliated Colleges offering BSc Microbiology programme under University of Calicut.
2. The Controller of Examinations/ EX Branch/ B. Sc Branch

Forwarded / By Order

Section Officer

UNIVERSITY OF CALICUT



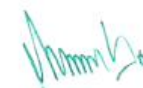
**B.SC. MICROBIOLOGY
SYLLABUS**

(2018 Admission onwards)

Scheme of Evaluation for B.Sc. Microbiology CUCBCSS (2018 Admission Onwards)									
Semester	Course nature	Course code	Course title	Hours/ week	Credits	Total credits	Scheme of Evaluation (in %)		Total Evaluation (in %)
							Internal (20%)	External (80%)	
I	Common English course I	A01		4	4	18	20	80	100
	Common English course II	A02		5	3		20	80	100
	Additional language course I	A07(3)	Communication skill in the languages other than English for B.Sc alternate pattern	5	4		20	80	100
	Core course I	MBG1B01	General Microbiology	3	3		20	80	100
	1st Complementary Biochemistry I	--1C01		2	2		16	64	80
	1st Complementary Biochemistry - Practical	--4C08(P)		2					0
	2nd Complementary - Biostatistics	--1C02	Biostatistics I	4	3		20	80	100
	Common English course III	A03		4	4		20	80	100
	Common English course IV	A04		5	3		20	80	100
	Additional language course II	A09(3)	Literature in languages other than english for B.Sc. Alternate pattern	5	4		20	80	100
II	Core course II	MBG2C02	Microbial Physiology and Taxonomy	3	3	20	20	80	100
	1st Complementary Biochemistry II	--2C03	Elementary Biochemistry-II	2	2		16	64	80
	1st Complementary Biochemistry - Practical	--4C08(P)	Elementary Biochemistry Practical II	2	*				0
	2 nd Complementary- Biostatistics-II	--2C04	Biostatistics II	4	3		20	80	100
	General course I	3A11	Numerical Skills	4	4				
	General course II	3A12	General Informatics	4	4		16	80	100
	Core course III	MBG3B03	Environmental and Sanitation Microbiology	4	4		20	80	100
	Core practical course I	MBG4B05(P)	Microbiology Practical I	3	*				0
	1st Complementary Biochemistry III	--3C05	Enzymology and Metabolism -I	3	2		16	64	80
	1st Complementary Biochemistry - Practical	--4C08(P)	Practical- Enzymology and Metabolism -I	2	*				0
III	2 nd Complementary Computer Applications -I	--3C06		3	2	16	16	64	80
	2 nd Complementary-Computer Applications Practicals	--4C10(P)		2	*				0

Semester	Course nature	Course code	Course title	Hours/ week	Credits	Total credits	Scheme of Evaluation (in %)		Total	
							Internal (20%)	External (80%)		
IV	General course III	4A13	Entrepreneurship Development	4	4	26	20	80	100	
	General course IV	4A14	Molecular biology	4	4		20	80	100	
	Core course IV	MBG4B04	Soil and Agricultural Microbiology	4	4		20	80	100	
	Core course Practical I	MBG4B05(P)	Microbiology Practical I	3	4		30	120	150	
	1st Complementary Biochemistry IV	--4C07	Enzymology and Metabolism -II	3	2		16	64	80	
	1st Complementary Biochemistry - Practical	--4C08(P)	Practical-Enzymology and Metabolism. (Practical examination for 1st complementary practicals 1,2,3 and 4)	2	4		16	64	80	
	2 nd Complementary Computer Applications-II	--4C09		3	2		16	64	80	
	2 nd Complementary-Computer Applications Practicals	--4C10(P)		2	2		8	32	40	
	Core course V	MBG5B06	Industrial Microbiology	4	4		18	20	80	100
	Core course VI	MBG5B07	Food and Dairy Microbiology	4	4		20	80	100	
Core course VII	MBG5B08	Immunology	4	4	20	80	100			
Core course VIII	MBG5B09	Medical Microbiology-I	4	4	20	80	100			
Core course practical II	MBG6B12(P)	Microbiology Practical II	4	*				0		
Project work	MBG6B16 (Pr)	Project Work	3	*				0		
V	Open course-for other departments	MBG5D01	Open course- for other departments	2	2		10	40	0	
	Open course-for other departments	MBG5D02	Open course- for other departments							
	Open course-for other departments	MBG5D03	Open course- for other departments							
	Core course IX	MBG6B10	Genetics and genetic engineering	4	4		22	20	80	100
	Core course X	MBG6B11	Medical Microbiology-II	4	4		20	80	100	
	Core course practical II	MBG6B12(P)	Microbiology Practical II	4	4		30	120	150	
	Core course practical III	MBG6B13 (P)	Microbiology Practical III	4	3		30	120	150	
	Core course practical IV	MBG6B14 (P)	Microbiology Practical IV	3	3		30	120	150	
	Elective course	MBG6B15 (E1)	Cell and Tissue culture	4	2		20	80	100	
		MBG6B15 (E2)	Biosafety and Bioethics							
	MBG6B15 (E3)	Bioinstrumentation								
Project work	MBG6B16 (Pr)	Project work (Examination along with the core practical examination)	2	2	10	40	50			
				120	120	720	2880	3550		




 PRINCIPAL
 E M E A COLLEGE OF ARTS
 & SCIENCE, KONDOTTI
 MALAPPURAM DT. 673 638