



UNIVERSITY OF CALICUT

**Abstract**

BSc Biochemistry – under CUCBCSS UG 2014 – Modified the format - The Scheme updated rectifying the omissions -approved --Corrigendum issued.

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**G & A - IV - J**

U.O.No. 83/2016/Admn

Dated, Calicut University.P.O, 04.01.2016

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- Read:-*1. U.O. No. 3797/2013/CU, dated 07.09.2013 (CBCSS UG Modified Regulations)  
(File.ref.no. 13752/GA IV J SO/2013/CU).  
2. U.O. No. 5180/2014/Admn, dated 29.05.2014 (CBCSS UG Revised Regulations)  
(File.ref.no. 13752/GA IV J SO/2013/CU).  
3. The minutes of BOS in Biochemistry held on 27.1.14  
4. Item No: 6A of the Minutes of the meeting of Faculty of Science held on 3.2.14  
5. Item II (i). of the minutes of Academic Council held on 20.3.14  
6. U.O.No 6925/2014/Admn dated: 17.07.14  
7. U.O.No 11813/2014/Admn dated: 12.12.14  
8. Modified Syllabus forwarded by the Chairman  
9. Orders of the Vice Chancellor in the file of even no.

**ORDER**

The Modified Regulations of Choice Based Credit Semester System for UG Curriculum w.e.f 2014 was implemented under the University of Calicut vide paper read as (1). The Revised CUCBCSS UG Regulations has been implemented w.e.f 2014 admission, for all UG programmes under CUCBCSS in the University, vide paper read as (2).

As per the paper read as (3), the Scheme and Syllabus of BSc Biochemistry (LRP) under Choice Based Credit Semester System (UG) was approved by the Board of Studies in Biochemistry. As per paper read as(4) above, the Faculty of Science has approved this minutes and as per paper read as (5) above ,the Academic Council has approved it and orders implementing the syllabus has been issued as per paper read as (6) and corrigendum issued as per paper read as (7)

**Since common papers are common for all the UG programme those were not shown in the scheme of previous version of the syllabus. Now, the common courses also included in the scheme and the syllabus has been updated to that effect and the chairperson forwarded the updated syllabus as per paper read as (8).**

Since this is a minor correction which effect the format only, the Vice Chancellor has approved the corrections as per the reference cited 9th.

Therefore the Scheme and Syllabus implemented vide paper read as (7) stands corrected to this effect.

Corrigendum is issued accordingly.

The updated syllabus appended. The syllabus is also available in the official website of the Calicut University.

Anuja Balakrishnan  
Deputy Registrar

To

1. All Affiliated Colleges/SDE/Dept.s/Institutions under University of Calicut.
2. The Controller of Examinations, University of Calicut.
3. The Director SDE, University of Calicut.

Forwarded / By Order

Section Officer

**UNIVERSITY OF CALICUT**

**SYLLABUS FOR B.Sc. PROGRAMME IN  
BIOCHEMISTRY (LRP/ Alternative pattern)**

**And**

**SYLLABUS FOR BIOCHEMISTRY AS COMPLEMENTARY  
SUBJECT FOR B.Sc. COURSE**

**UNDER CHOICE BASED CREDIT SEMESTER SYSTEM  
UG (CBCSS-UG) –MODIFIED REGULATIONS w.e.f.2014**

**UNIVERSITY OF CALICUT**

**SCHEME FOR B.SC. BIOCHEMISTRY DEGREE (LRP/  
ALTERNATIVE PATTERN) UNDER CHOICE BASED CREDIT  
SEMESTER SYSTEM UG (CBCSS-UG) –MODIFIED  
REGULATIONS W.E.F.2014**

## Course Structure for B.Sc. Programme in Biochemistry

### Semester I

No	Course	Title	Credits	Marks
1	Common	Common English course I	4	100
2	Common	Common English course II	3	100
3	Common	Additional language course I	4	100
4	Core	Introduction and Physical Aspects of Biochemistry	3	100
5	Complementary I		3	100
6	Complementary II		3	100
		Total	20	600

### Semester II

No	Course	Title	Credits	Marks
1	Common	Common English course III	4	100
2	Common	Common English course IV	3	100
3	Common	Additional language course II	4	100
4	Core	Cellular Biochemistry	3	100
5	Complementary I		3	100
6	Complementary II		3	100
		Total	20	600

### Semester III

No	Course	Title	Credits	Marks
1	General	Basic Numerical Skills	4	100
2	General	General informatics	4	100
3	Core	Techniques in Biochemistry	3	100
4	Core	Enzymology	3	100
5	Complementary I		3	100
6	Complementary II		3	100
		Total	20	600

#### Semester IV

No	Course	Title	Credits	Marks
1	General	Entrepreneurship	4	100
2	General	Intellectual Property Rights	4	100
3	Core	Biomolecules and Bioinformatics	4	100
4	Core	Practicals I ( Carbohydrates , Lipids, Amino Acids ,Nucleic Acids and Techniques)	3	100
5	Complementary I		3	100
6	Complementary II		3	100
		Total	21	600


#### Semester V

No	Course	Title	Credits	Marks
1	Core	Intermediary Metabolism I	3	100
2	Core	Intermediary Metabolism II	2	100
3	Core	Plant Biochemistry	3	100
4	Core	Physiological Aspects of Biochemistry	4	100
5	Core	Clinical and Nutritional Aspects of Biochemistry	4	100
6	Core	Immunology	3	100
7	Open		2	50
		Total	21	650

#### Semester VI

No	Course	Title	Credits	Marks
1	Core	Classical Genetics and Molecular Biology	4	100
2	Core	Recombinant DNA Technology	3	100
3	Core	Molecular Endocrinology	3	100
4	Core	Practicals II ( Clinical and Enzymology)	3	100
5	Core	Practicals III( Molecular Biology, Immunology and Nutritional Biochemistry)	3	100
6	Core	Project	2	50
		Total	18	550



  
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