



# PAZHASSIRAJA COLLEGE

Pulpally, Wayanad, Kerala, India, 673579

## CRITERION 1 CURRICULAR ASPECTS

**IQAC 2020-21**

**1.1  
NUMBER OF COURSES**



*Submitted to*  
**National Assessment and Accreditation Council**  
**2016- 2021**

# UNIVERSITY OF CALICUT

## SYLLABUS FOR UG COMMON COURSES IN ENGLISH 2014-15 ONWARDS

### REVISED SYLLABUS OF COMMON COURSES FOR UG UNDER CBCSS, CALICUT UNIVERSITY FOR 2014-15 ADMISSION ONWARDS

(THE REVISION OF SYLLABUS IS EFFECTED FOR THE COMMON COURSES ONLY. THERE IS NO CHANGE IN THE CORE COURSES, AND STUDENTS ARE TO FOLLOW THE CORE COURSES EFFECTED FROM 2012 ONWARDS. THE SYLLABUS FOR THE UG PROGRAMME IN ENGLISH FOR COMMON COURSES AND CORE COURSES UNDER DISTANCE EDUCATION SHALL BE THE SAME AS THE SYLLABUS FOR THE REGULAR PROGRAMME. THE SYLLABUS FOR THE AFSAL-UL-ULAMA (PRELIMINARY ENGLISH) IS ALSO REVISED. THE ORDER OF COURSES IS ALSO RE-ARRANGED)

Total Marks	: 100
Internal Assessment	: 20
External Assessment	: 80

#### Internal Assessment

Attendance	: 25%
Assignment/Seminar/VTVA	: 25%
Test Paper	: 50%
Duration of Exam	: 3 hrs

#### OUT LINE OF COMMON COURSES

1. *Common English course I*
2. *Common English course II*
3. *Common English course III*
4. *Common English course IV*
5. *Common English course V*
6. *Common English course VI*

English courses I to VI – applicable to  
BA/B.Sc. Regular Pattern  
English courses I to IV – applicable to  
Language Reduced Pattern (LRP) Programmes  
B. Com, BBA, BBA (T), BBM, B. Sc (LRP),  
BCA etc



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- 7. *Additional language course I*
- 8. *Additional language course II*
- 9. *Additional language course III*
- 10. *Additional language course IV*

Addl. Language courses I to IV – applicable to BA/B.Sc. Regular Pattern  
Addl. Language courses I &II – applicable to Language Reduced Pattern (LRP) Programmes

- 11. *General course I*
- 12. *General course II*
- 13. *General course III*
- 14. *General course IV*

Applicable to Language Reduced Pattern (LRP) Programmes



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### OUTLINE OF COMMON COURSES IN ENGLISH

COURSE CODE	TITLE OF THE COURSE	NO. OF HOURS	NO. OF CREDITS	SEMESTER
ENG1 A01	<i>The Four Skills for Communication</i>	4	3	1
ENG1 A02	<i>Modern Prose &amp; Drama</i>	5	3	1
ENG2 A03	<i>Inspiring Expressions</i>	4	4	2
ENG2 A04	<i>Readings on Society</i>	5	4	2
ENG3 A05	<i>Native Media in English</i>	5	4	3
ENG4 A06	<i>Reading Fiction and Non Fiction</i>	5	4	4

Table of Common Courses in the Various Programmes

Sl. No	Programme	I Semester	II Semester	III Semester	IV Semester
1	B A & B Sc	A01, A02, A07	A03, A04, A08	A05, A09	A06, A10
2	B Com & LRP	A01, A02, A07	A03, A04, A08	A11, A12	A13, A14
3	BA Afsal- ul -Ulama	A01, AU1 A02 AU1A07	A04, AU2 A04 AU2A08	A05, AU3A09,	A06, AU4A10

### OUTLINE OF THE CORE COURSES

NEW COURSE CODE	TITLE OF THE COURSE	NO. OF CONTACT HOURS/WEEK	NO. OF CREDITS	SEMESTER
ENG1B01	READING POETRY	6	4	1
ENG2B01	READING PROSE	6	4	2
ENG3B01	READING DRAMA	4	4	3
ENG3B02	READING FICTION	5	4	3
ENG4B01	MODERN ENGLISH LITERATURE	5	4	4
ENG4B02	METHODOLOGY OF HUMANITIES	4	4	4
ENG5B01	INDIAN WRITING IN ENGLISH	5	4	5
ENG5B02	LANGUAGE & LINGUISTICS	5	4	5



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ENG5B03	METHODOLOGY OF LITERATURE	5	4	5
ENG5B04	INFORMATICS	5	4	5
ENG5B05	PROJECT*	2	0	5
ENG6B01	LITERARY CRITICISM & THEORY	5	4	6
ENG6B02	LITERATURE IN ENGLISH: AMERICAN & POST COLONIAL	5	4	6
ENG6B03	WOMEN'S WRITING	5	4	6
ENG6B04	WRITING FOR THE MEDIA	5	4	6
ENG6B05	PROJECT*	0	2	6

\*The Project works begin in the V Semester and shall be submitted in the end of the VI Semester. The credits shall be considered in the VI Semester only.

**CORE COURSES IN ENGLISH FOR DOUBLE MAIN PROGRAMMES  
WITH ENGLISH AS ONE OF THE COMPONENT**

Course code	Name of the course	No. of contact hours/week	No. of Credit	Semester
DMENG1B01	READING POETRY	6	4	1
DMENG2B01	READING PROSE	6	4	2
DMENG3B01	READING DRAMA	5	4	3
DMENG3B02	READING FICTION	5	4	3
DMENG4B01	MODERN ENGLISH LITERATURE	5	4	4
DMENG5B01	INDIAN WRITING IN ENGLISH	5	4	5
DMENG5B02	LANGUAGE AND LINGUISTICS	5	4	5
---	OPEN COURSE	3	4	5
DMENG5B05(Pr)	PROJECT*	2	0	5
DMENG6B01	LITERARY CRITICISM AND THEORY	5	4	6
DMENG6B03E0(1/2/3)	ELECTIVE	3	3	6
DMENG6B06(Pr)	PROJECT*	0	2	6

\* The project work begins in the 5<sup>th</sup> semester and shall be submitted in the end of 6<sup>th</sup> Semester. But the credits (2) will be considered only in Semester 6



  
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### OUTLINE OF ELECTIVES

#### ELECTIVES

Course Code	Title of Course	No. of Contact Hours/Week	No. of Credits	Semester in which El. is to be taught
ENG6B5E1 or DMENG6B3 E 1	World Classics in Translation	3	2	6
ENG6B5E2 or DMENG6B3 E 2	Regional Literatures in Translation	3	2	6
ENG6B5E3 or DMENG6B3 E 3	Dalit Literature	3	2	6

### OUTLINE OF OPEN COURSES

OPEN COURSES OFFERED BY BA ENGLISH PROGRAMME FOR STUDENTS OF OTHER DISCIPLINES				
Course Code	Title of Course	No. of Contact Hours/Week	No. of Credits	Semester in which OC is to be taught
ENG5D01	Film Studies	3	2	5
ENG5D02	Creative Writing in English	3	2	5
EN5D03	Applied Language Skills	3	2	5

### COMPLEMENTARY COURSES OFFERED FOR B.A. ENGLISH PROGRAMME

Social and Cultural History of Britain	Modern World History/Journalism/Political Science /Sociology /Indian Constitution and politics
Journalism	Political Science /Audio Visual Communication /Modern Indian History/Indian Constitution and Politics



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Abstract

BSc Biochemistry – under CUCBCSS UG 2014 – Model question paper included to the Scheme and Syllabus -approved --Corrigendum issued.

**G & A - IV - J**

U.O.No. 11813/2014/Admn

Dated, Calicut University.P.O, 12.12.2014

- 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. Note no.1 4943/EX-|ASST-3/20 1 4/PB Dt 30.8.14
  8. Orders of the Registrar in the file of even no.

ORDER

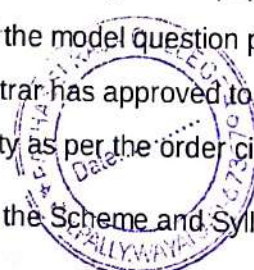
The Modified Regulations of Choice Based Credit Semester System for UG Curriculum w.e.f 2014 was implemented under the University of Calicut vide paper read as (1). The Revised CUCBCSS UG Regulations has been implemented w.e.f 2014 admission, for all UG programmes under CUCBCSS in the University, vide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

Vide paper read as (7), the Pareeksha Bhavan of the University pointed out that there is an omission of model question paper in the approved syllabus. The Chairman, Board of studies has forwarded the model question papers.

The Registrar has approved to incorporate the model question papers to the syllabus of BSc Biochemistry as per the order cited 8th.

Therefore the Scheme and Syllabus implemented vide paper read as (6) stands corrected to this



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effect.

Corrigendum is issued accordingly.

Muhammed S  
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



  
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effect.

Corrigendum is issued accordingly.

Muhammed S  
Deputy Registrar

To

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**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**



  
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# 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

Semester	Course Code	Course Title	Hours/ week	Credits	Total marks
1	BCH1B01	Introduction and Physical Aspects of Biochemistry	3	3	100
2	BCH2B02	Cellular Biochemistry	3	3	100
3	BCH3B03	Techniques in Biochemistry	3	3	100
3	BCH3B04	Enzymology	3	3	100
4	BCH4B05	Biomolecules and Bioinformatics	4	4	100
4	BCH4B06	Practicals I ( Carbohydrates , Lipids, Amino Acids ,Nucleic Acids and Techniques)	6	3	100
5 <sup>th</sup> semester	BCH5B07	Intermediary Metabolism I	3	3	100
	BCH5B08	Intermediary Metabolism II	2	2	100
	BCH5B09	Plant Biochemistry	3	3	100
	BCH5B10	Physiological Aspects of Biochemistry	4	4	100
	BCH5B11	Clinical and Nutritional Aspects of Biochemistry	4	4	100
	BCH5B12	Immunology	3	3	100
		Open Course	2	2	50
6 <sup>th</sup> semester	BCH6B13	Classical Genetics and Molecular Biology	4	4	100
	BCH6B14	Recombinant DNA Technology	3	3	100
	BCH6B15	Molecular Endocrinology	3	3	100
	BCH6B16	Practicals II ( Clinical and Enzymology)	6	3	100
	BCH6B17	Practicals III( Molecular Biology, Immunology and Nutritional Biochemistry)	6	3	100
	BCH6B18	Project	4	2	50

### Open courses (semester 5: Credit: 2 hours/ week 2)

- BCHD01 Elementary Biochemistry
- BCHD02 Life Style Diseases
- BCHD03 Clinical Diagnosis of Common Diseases

**Total credits for the core courses 56**

**Credits for the open course 2**

**Total marks for the core course 1750**



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## Scheme of Examination, Evaluation and Grading:

- There shall be external university examination of 3 hour duration for each theory course at the end of the each semester (for core, complementary and open)
- Practical examinations shall be conducted by the university at the end of even semesters.
- Practical examination, project / dissertation evaluation and *viva voce* shall be conducted by one external examiner and one internal examiner appointed by the university.
- Project evaluation shall be conducted at the end of 6<sup>th</sup> semester. 20% of marks may be awarded through internal assessment
- Practical examination shall be of six hours duration.
- Evaluation and grading are in accordance with the general guidelines given by the university.
- The questions should be answered only in English

### The evaluation scheme for each course (core) shall contain two parts

(1) Internal evaluation (2) External evaluation

20% marks shall be given to the internal evaluation. The remaining 80% of marks shall be for the external evaluation.

Marks for the external evaluation 80

Marks for the internal evaluation 20

#### Components of and marks for the internal evaluation of theory courses are given below

Attendance	5
Test paper	10
Seminar/viva/assignment	5
Total	20

#### Scheme for practical examinations

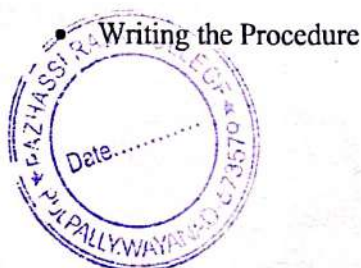
Maximum marks for external evaluation 80

Maximum marks for internal evaluation 20

#### Components and of marks for the internal evaluation of practical courses are given below

Attendance	5
Records	10
Lab involvement	5
Total	20

For practical examination the question paper will have the following components



  
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- Qualitative analysis
- Quantitative estimation
- Spotters

For each practical examination the laboratory record has to be compulsorily submitted.

**Scheme for the evaluation of practical examination**

Marks may be assigned for various components as follows:

For Qualitative Analysis:

- Result & Conclusion
- Confirmatory test 1
- Confirmatory test 2
- Neatly written scheme of experiments used for arriving at the final conclusion

For Quantitative Experiments

- Result of the reported value (minimum error)
- Calculation, presentation of the result (Graph/table/chart etc.)
- Procedure
- Skill

**PROJECT**

Each student will have to do a research project during the entire course under the guidance of a faculty member of the college. A group of students can collectively undertake the project under the supervision of a member of the faculty. The total member in a group may be restricted to a maximum of 6.

**The total marks for the project will be 50**

**The following components may be taken into consideration for the evaluation of projects**

1. Introduction, review of literature etc.
2. Objectives and relevance of the study
3. Methodology
4. Results
5. Discussion and Interpretation
6. Conclusions
7. Involvement of the students
8. Style and neatness of the dissertation
9. References

**PROJECT EVALUATION**

1. Evaluation of the Project Report shall be done under Mark System.
2. The evaluation of the project will be done at two stages:



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- a) Internal Assessment (supervising teachers will assess the project and award internal Marks)
- b) External evaluation (external examiner appointed by the University)
- c) Marks secured for the project will be awarded to candidates, combining the Internal and external Marks
3. The internal to external components is to be taken in the ratio 1.:4. Assessment of different components may be taken as below.

Internal (20% of total)	
Components	% of Marks
Punctuality	20
Use of Data	20
Scheme/Organization of Report	30
Viva-Voce	30

External (80% of total)	
Components	% of marks
Relevance of the Topic, Statement of Objectives, Methodology (Reference/Bibliography)	20
Presentation, Quality of Analysis/Use of Statistical tools, Findings and recommendations	30
Viva-Voce	50

### BCH1B01: INTRODUCTION AND PHYSICAL ASPECTS OF BIOCHEMISTRY

Credits: 3. Total hours: 54 hours / week: 3

#### Unit I. (4h) General Introduction

Brief study of the foundations of biochemistry (cellular, chemical and physical foundations- fundamental study only)

#### Unit II. (10h) Water, Acids, Bases and Buffer

Dissociation of water, ionic product of water, concepts of pH, pOH, simple numerical problems of pH, determination of pH using indicators, pH meter and theoretical calculations. Dissociation



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**Abstract**

BSc in Microbiology-CUCBCSS UG 2014-Scheme and Syllabus- Approved-Implemented-w.e.f 2014 Admissions-Errors and Omissions corrected- corrigendum issued.

**G & A - IV - J**

U.O.No. 875/2015/Admn

Dated, Calicut University.P.O, 27.01.2015

*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. Item no. 1 of the minutes of the meeting of the Board of Studies in Microbiology held on 5.6.14.

4.Item no. 37 of the minutes of the meeting of the Faculty of Science held on 27.06.2014.

5.UO No:U.O.No. 7451/2014/Admn Date: 01.08.14

6. UO Note from Parikshabhavan No: 28608/EX1/ASST-3/2014/PB 16.12.14

7. Corrected Syllabus forwarded by the Chairman, BOS in Microbiology

**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 programme under CUCBCSS in the University, vide paper read as (2).

The Board of Studies in Microbiology finalized the revised syllabus of BSc Microbiology for implementation w.e.f the Academic Year 2014-2015. vide paper read as (3). The Faculty of Science has also approved the minutes of the Board vide paper read as (4).

The Hon'ble Vice Chancellor, considering the exigency, exercising the powers of the Academic Council has approved the items regarding syllabus implementation in the minutes of the concerned Boards of Studies mentioned in the minutes of the Faculty of Science, subject to ratification by the Academic Council, and orders issued as per paper read as (5).

As per paper read as (6) Parikshabhavan has reported some errors and omissions in the Syllabus as follows:



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1) The order of elective courses in the sixth semester are seen different in the scheme and the Syllabus. 2) The scheme of examination is not complete with the maximum marks for each course/semester/programme. 3) The pattern of Question Papers not provided

As per paper read as (7) the Chairman, BOS in Microbiology has corrected the error and forwarded the updated syllabus.

Therefore the Scheme and Syllabus implemented vide paper read as (5) stands corrected to this effect. Corrigendum is issued accordingly. (The corrected syllabus is attached herewith and is available in the website: [universityofcalicut.info](http://universityofcalicut.info))

Muhammed S  
Deputy Registrar

To

To

1. All Affiliated Colleges/SDE/Dept.s/Institutions under University of Calicut.
2. The Controller of Examinations, University of Calicut.
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## Syllabus For B.Sc. Programme in MICROBIOLOGY and Syllabus for MICROBIOLOGY as complementary subject for B.Sc. Course

**CHOICE BASED CREDIT SEMESTER SYSTEM  
(CBCSS-UG) –modified regulations w.e.f.2014**



  
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**UNIVERSITY OF CALICUT**  
**Scheme for B.Sc. Microbiology Degree under the**  
**Choice Based Credit and Semester System (CUCBCSSUG)-2014**  
**(6 Semesters; 37 Courses; 120 Credits)**

Semester	Course nature	Course code	Course title	Hours/ week	Credits	Total credits	Scheme of Evaluation (in marks)	
							Internal 1 (20%)	External (80%)
I	Common English course I	MB1A01		4	4	18	20	80
	Common English course II	MB1A02		5	3		20	80
	Additional language course I	MB1A07(03)	Communication skill in the languages other than English for B.Sc alternate pattern	5	4		20	80
	Core course I	MB1B01	General Microbiology	3	3		20	80
	1 <sup>st</sup> Complementary course I	MB1C01	Elementary Biochemistry-I	2	2		20	80
	1 <sup>st</sup> Complementary-Practical course I	MB1C02 (P)	Elementary Biochemistry – Practical I	2	Credits after exam at the end of semester IV			
	2 <sup>nd</sup> Complementary course I	MB1C03	Computer Applications Fundamentals	2	2		20	80
	2 <sup>nd</sup> Complementary-Practical course I	MB1C04 (P)	Computer Applications Practical I	2	Credits after exam at the end of semester IV			
II	Common English course III	MB2A03		4	4	20	20	80
	Common English course IV	MB2A04		5	3		20	80
	Additional language course II	MB2A09(03)	Literature in languages other than English for B.Sc. Alternate pattern	5	4		20	80
	Core course II	MB2B02	Microbial Physiology and Taxonomy	2	3		20	80
	Core practical course I	MB2B03 (P)	Practical I-General Microbiology	1	Credits after exam at the end of semester IV			
	1 <sup>st</sup> Complementary course II	MB2C05	Elementary Biochemistry-II	2	2		20	80



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III	Complementary- Practical course II	MB2C06(P)	Elementary Biochemistry Practical II	2	Credits after exam at the end of semester IV	16		
	2 <sup>nd</sup> Complementary course II	MB2C07	C – Language, Data Base Management System & SQL	2			2	20
	2 <sup>nd</sup> Complementary- Practical course II	MB2C08(P)	Computer Applications Practical II (Examination for Computer application practical I &II)	2	2		20	80
	General course I	MB3A05	Numerical Skills	4	4		20	80
	General course II	MB3A06	General Informatics	4	4		20	80
	Core course III	MB3B04	Environmental and Sanitation Microbiology	4	4		20	80
	Core practical course II	MB3B05(P)	Practical 2 Microbial Physiology and EVS Microbiology	3	Credits after exam at the end of semester IV			
	1 <sup>st</sup> Complementary course III	MB3C09	Enzymology and Metabolism - I	3			2	20
	1 <sup>st</sup> Complementary- Practical course III	MB3C10(P)	Practical- Enzymology and Metabolism -I	2	Credits after exam at the end of semester IV			
	2 <sup>nd</sup> Complementary course III	MB3C11	Biostatistics I	3			2	20
2 <sup>nd</sup> Complementary- Practical course III	MB3C12(P)	Biostatistics-practical -I	2	Credits after exam at the end of semester IV				
General course III	MB4A07	Entrepreneurship Development	4		4	20	80	
General course IV	MB4A08	Molecular biology and Bioinformatics	4	4	20	80		
Core course IV	MB4B06	Soil and Agricultural Microbiology	4	4	20	80		
Core practical course III	MB4B07(P)	Practical 3- Soil and Agricultural Microbiology (Practical examination for core practicals 1,2 and 3)	3	4	20	80		
1 <sup>st</sup> Complementary course IV	MB4C13	Enzymology and Metabolism - II	3	2	20	80		
1 <sup>st</sup> Complementary- Practical course IV	MB4C14(P)	Practical-Enzymology and Metabolism.	2	4	20	80		
IV						26		



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		(Practical examination for 1 <sup>st</sup> complementary practicals 1,2,3 and 4)						
V	2 <sup>nd</sup> Complementary course IV	MB4C15	Biostatistics II					
	2 <sup>nd</sup> Complementary-Practical course IV	MB4C16(P)	Biostatistics Practical II (Practical Exam for Biostatistics practical I-II)	3	2		20	80
	Core course V	MB5B08	Industrial Microbiology	2	2		20	80
	Core course VI		Food and Dairy Microbiology	4	4		20	80
	Core practical course IV	MB5B10(P)	Practical 4-Industrial, Food and Dairy Microbiology	4	4		20	80
	Core course VII	MB5B11	Immunology	4	4	Credits after exam at the end of semester VI	20	80
	Core course VIII	MB5B12	Medical Microbiology-I	4	4		20	80
	Project work	MB5 B13 (Pr)	Project Work	2		Credits after exam at the end of semester VI		
	Open course-for other departments	MB5D01/ MB5D02	Open course- for other departments	3	4		20	80
	VI	Core course IX	MB6B14	Microbial genetics and genetic engineering	5	4		20
Core practical course V		MB6B15(P)	Practical 5-molecular biology (Practical examination for core practicals 4,5 )	4	4		20	80
Core course X		MB6B16	Medical Microbiology-II	5	4	20	20	80
Core practical course VI		MB6B17(P)	Practical 6- Immunology and Medical Microbiology (Practical examination for practical 6)	4	3		20	80
Open course-from the parent department (Core)		MB6B18(E1)	Cell and Tissue culture	4	2		20	80
		MB6B18(E2)	Bioinstrumentation					
		MB6B18(E3)	Biosafety and Bioethics					
Project work	MB6B19(Pr)	Project work (Examination along with the core practical examination)	3	3		10	40	



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**Distribution of different courses and their credits**

Semester	Course type	No of Courses	Credits
I and II	Common-English	4	14
I and II	Common-Addl language	2	8
III and IV	General Common	4	16
I to IV	Complementary	11	24
I to VI	Core	13	49
V	Open (other dept.)	1	4
VI	Open (parent dept.)	1	2
V through VI	Project (core)	1	3
	<b>Total</b>	<b>37</b>	<b>120</b>

**Outline of the various courses offered**

Total common courses offered : 10

Total core courses offered in the area of specialization (Microbiology) including project work and practical : 16

Total Complementary courses offered including practicals (two complementary subjects) : 9

Total open courses offered for other departments (to choose one out of the two offered) : 1

Total open courses offered for the same departments (to choose one out of the three offered): 1

**Total courses offered in the 6 semesters : 37**

**Total credits offered in the 6 semesters : 120**

**Total credits required for qualifying Degree : 120**

**Total credits offered for core, complementary and open put together : 82**

**Total credits required for core, complementary and open put together : 82**

**General Course IV offered (Designed by the Board)**

1. Molecular Biology and Bioinformatics. : 4 credits

**Open courses offered to students of other Departments with credits (5th Semester)**

1. Public health and emerging microbial diseases : 4 credits.

2. Environmental Microbiology : 4 credits

**Open Courses (elective) from the parent department with credits (6th Semester)**

1. Cell and tissue culture : 2 credits

2. Bio instrumentation : 2 credits

3. Bio safety and Bioethics : 2 credits



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### Scheme of Examination, Evaluation and Grading:

- There shall be University examinations at the end of each semester.
- Practical examinations shall be conducted by the university at the end of even semesters.
- Practical examination, project / dissertation evaluation and viva voce shall be conducted by one external examiner and one internal examiner appointed by the university.
- Project evaluation shall be conducted at the end of 6th semester.
- Each Practical examination shall be conducted in two consecutive days of six hours duration.
- Evaluation and grading are in accordance with the general guidelines given by the university.
- The questions should be answered only in English

### The evaluation scheme for each course (core) shall contain two parts

- (1) Internal evaluation (2) External evaluation
- 20% marks shall be given to the internal evaluation. The remaining 80% of marks shall be for the external evaluation.
  - Marks for the external evaluation 80
  - Marks for the internal evaluation 20

### Components of and marks for the internal evaluation of theory courses are given below

Attendance	5
Test paper	10
Seminar/viva/assignment	5
Total	20

### Scheme for practical examinations

- Maximum marks for external evaluation 80
- Maximum marks for internal evaluation 20

### Components and of marks for the internal evaluation of practical courses are given below

Attendance	5
Records	10
Lab involvement	5
Total	20



  
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For practical examination the question paper will have the following components

Components	Marks
Procedure writing	10
Experiment 1	20
Experiment 2	15
Spotters (5 Nos)	10
Records	10
Viva	15
<b>Total</b>	<b>80</b>

### PROJECT EVALUATION

- Each student will have to do a research project during the entire course under the guidance of a faculty member of the college.
  - A group of students can collectively undertake the project under the supervision of a member of the faculty.
  - The total member in a group may be restricted to a maximum of 4.
  - Maximum marks for project will be 50 (internal 10 and external 40)
  - Internal evaluation will be done by the supervising faculty by considering
    - Involvement
    - Punctuality
    - Viva
  - External evaluation will be done by the external examiner by considering
    - Relevance of the study
    - Presentation
    - Use of molecular and statistical tools
    - Viva
- 

## SEMESTER I

**MB1B 01 GENERAL MICROBIOLOGY**  
**3 Hrs /week                      3 credits**

**Unit -1                      6 hrs**

History and development of Microbiology, spontaneous generation vs. biogenesis. Contributions of the following scientists in various areas of Microbiology - Anton von Leeuwenhoek, Joseph Lister, Paul Ehrlich, Edward Jenner, Louis Pasteur, Robert Koch, Martinus W. Beijerinck, Sergei N. Winogradsky, Alexander Fleming, Selman A. Waksman.

**Unit-2                      4 hrs**



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UNIVERSITY OF CALICUT

Abstract

BA Programme in Mass Communication and Journalism - CUCBCSS UG 2014 - Revised Scheme and Syllabus - Approved - Implemented with effect from 2014 Admissions-Orders issued.

U.O.No. 6594/2017/Admn

G & A - IV - B

Dated, Calicut University.P.O, 26.05.2017

- Read:-1. U.O.No. 7590/2014/Admn Dated 05.08.2014  
2. Decision of the meeting of the Chairmen of UG Programmes held on 16-01-2015  
3. Orders of Vice Chancellor in the file of even No. dated 24.05.2017

ORDER

Vide paper read first above, orders were issued for implementing the Scheme and Syllabus of BA Programme in Mass Communication and Journalism under CUCBCSS Regulations with effect from 2014 Admission onwards.

Vide paper read second above, the meeting of the Chairmen of UG Programmes held on 16-01-2015 resolved that the syllabus incorporating the changes in the scheme of examination pertaining to Complementary Courses has to be forwarded to GAIV section on or before 20.01.2015 by the respective BoS.

Vide paper read third above, the Vice Chancellor after considering the matter in detail has accorded sanction to issue orders for implementing the Scheme and Syllabus of BA Programme in Mass Communication and Journalism under CUCBCSS Regulations with effect from 2014 Admission onwards, incorporating the changes in the scheme of examination pertaining to Complementary Courses .

Sanction has therefore been accorded to issue orders for implementing the Scheme and Syllabus of BA Programme in Mass Communication and Journalism under CUCBCSS Regulations with effect from 2014 Admission onwards, incorporating the changes proposed in the scheme of examination pertaining to Complementary Courses as resolved in the meeting held on 16.1.2015.

Accordingly the Scheme and Syllabus of BA Programme in Mass Communication and Journalism under CUCBCSS Regulations with effect from 2014 Admission onwards implemented vide paper read first stands modified to this effect.

Orders are issued accordingly.

The syllabus is uploaded in the website.

Ajitha P.P

Joint Registrar

To

The Principals of all affiliated Colleges

Copy to:  
CE/ Ex Section/ EG Section/ DR and AR BA Branch/ EX IV/Director, SDE/SDE Exam Wing/  
Tabulation Section / System Administrator with a request to upload the  
Syllabus in the University website/ GA I F Section/ Library/ SF/ FC/DF

Forwarded / By Order

Section Officer



  
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**UNIVERSITY OF CALICUT**

**BOARD OF STUDIES (UG)  
IN  
JOURNALISM**

**Restructured Curriculum  
and  
Syllabi as per  
CUCBCSS UG Regulations 2014  
(2014 Admission Onwards)**

**PART I**

**B.A. Programme in  
Mass Communication and Journalism**

**PART II**

**Complementary Courses in**

- 1. Journalism,**
- 2. Electronic Media, and**
- 3. Mass Communication (for BA West Asian  
Studies)**

*for*

***Non-Journalism UG Programmes***



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## GENERAL SCHEME OF THE PROGRAMME

SI No	Course	No of Courses	Credits	Marks
1	Common Courses (English)	6	22	600
2	Common Courses (Additional Language)	4	16	400
3	Core Courses	15	62	1500
4	Project (Linked to Core Courses)	1	2	50
5	Complementary Courses	8	16	400
6	Open Courses	1	2	50
	<b>Total</b>		<b>120</b>	<b>3000</b>



  
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**PART I**  
**B.A. PROGRAMME**  
**IN**  
**MASS COMMUNICATION AND JOURNALISM**

**Distribution of Courses**

- A - Common Courses**
- B - Core Courses**
- C - Complementary Courses**
- D - Open Courses**
- E - Elective Courses**



  
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### A. Common Courses

Sl. No.	Code	Title	Hrs/Week	Credit	Semester	Marks
1	A01	Common English Course I	5	4	I	100
2	A02	Common English Course II	4	3	I	100
3	A03	Common English Course III	5	4	II	100
4	A04	Common English Course IV	4	3	II	100
5	A05	Common English Course V	5	4	III	100
6	A06	Common English Course VI	5	4	IV	100
7	A07	Additional language Course I	4	4	I	100
8	A08	Additional language Course II	4	4	II	100
9	A09	Additional language Course III	5	4	III	100
10	A10	Additional language Course IV	5	4	IV	100
		<b>Total</b>		<b>38</b>		<b>1000</b>



  
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## B. Core Courses

Sl. No.	Code	Title	Contact hrs	Credit	Semester	Marks
11	JOU1B01	Methodology and Perspectives of Communication and Journalism	6	5	I	100
12	JOU2B02	Fundamentals of Mass Communication	6	5	II	100
13	JOU3B03	History of Journalism and Broadcasting	4	4	III	100
14	JOU3B04	Reporting for Newspapers	5	4	III	100
15	JOU4B05	Editing for Newspapers	5	4	IV	100
16	JOU4B06	Design and Pagination	4	4	IV	100
17	JOU5B07	Radio Production	5	4	V	100
18	JOU5B08	Introduction to Television Production	5	4	V	100
19	JOU5B09	Corporate Communication	4	4	V	100
20	JOU5B10	Advertising	4	4	V	100
21	JOU5B11	Photo Journalism	4	4	V	100
22	JOU6B12	Media Laws and Ethics	5	4	VI	100
23	JOU6B13	Online Journalism	5	4	VI	100
24	JOU6B14	Introduction to Cinema	5	4	VI	100
25 Elec- tives. To choose 1 out of 3.	JOU6B15(E)-i JOU6B15 (E)-ii JOU6B15 (E)-iii	Documentary Film production Magazine Journalism Business Journalism	5	4	VI	100
26	JOU6B16	<b>Project</b> Each student shall submit a short research project relevant to the areas of communication, journalism and mass media carried out under the supervision of a teacher. Evaluation is based on a dissertation (in approximately 25-40 pages typescript in standard dissertation format).	5	2	VI	50
<b>Total</b>				<b>64</b>		<b>1550</b>



*SSM/KP*  
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### C. Complementary Courses

Examinations for the Complementary Courses will be conducted at the end of even semester II & IV.

Sl. No.	Title	Contact	Credit	Semester	Marks
1	Complementary I – Course 1	3	2	I	
2	Complementary II – Course 1	3	2	I	
3	Complementary I – Course 2	3	2	II	100*
4	Complementary II – Course 2	3	2	II	100**
5	Complementary I – Course 3	3	2	III	
6	Complementary II – Course 3	3	2	III	
7	Complementary I – Course 4	3	2	IV	100#
8	Complementary II – Course 4	3	2	IV	100##
	<b>Total</b>		<b>16</b>		<b>400</b>

\*Combined examination for Complementary I course 1 & course 2

\*\* Combined examination for Complementary II course 1 & course 2

#Combined examination for Complementary I course 3 & course 4

##Combined examination for Complementary II course 3 & course 4

**A sample subject list of Complementary Courses for B.A. Mass Communication and Journalism are given below:**

1. Translation and Creative Writing
2. Political Science
3. Economics
4. History
5. Sociology
6. Multimedia Journalism
7. Computer Applications
8. Communicative / Functional English

**Title of the courses, detailed syllabi and objectives are to be provided by the concerned Boards.**



  
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## D. Open Courses

Students from other disciplines can opt any one of the following courses:

Code	Title	Contact	Credit	Semester	Marks
JOU5D01(i)	Newspaper Journalism	3	2	V	50
JOU5D01(ii)	Broadcast Journalism				
JOU5D01(iii)	Development Communication				

## E. Electives

(Colleges can choose any one course from the three listed below.)

Code	Title	Contact Hours	Credit	Semester	Marks
JOU6B15(E)-i	Documentary Film Production	3	4	VI	100
JOU6B15 (E)-ii	Magazine Journalism				
JOU6B15 (E)-iii	Business Journalism				

## SCHEME OF EXAMINATION

Core courses consist of fifteen theory papers and a project work.

The evaluation scheme for each course including the project work shall contain two parts.

i) Internal assessment ii) External evaluation

20% weight shall be given to Internal assessment and 80% weight shall be for External evaluation.

Each of the fifteen theory papers carries a total of 100 marks (20 for Internal assessment and 80 for External evaluation).

The duration of examination for each course is 3 hours.

For the project work, out of the total 50 marks, 10 for Internal assessment and 40 for External evaluation.

Examinations for the Complementary Courses will be conducted at the end of even semester II & IV.

**For further details:**

See University of Calicut Regulations for Choice based credit and Semester System for under Graduate Curriculum – 2014.



  
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## Semester I

Course	Code	Title	Hrs/ Week	Credit	Marks
Common Course 1	A01	Common English Course I	5	4	100
Common Course 2	A02	Common English Course II	4	3	100
Common Course 3	A07	Additional Language Course I	4	4	100
Core Course I	JOU1B01	Methodology and Perspectives of Communication and Journalism	6	5	100
Complementary I Course 1		Detailed Syllabi and Objectives are to be provided by the concerned Boards	3	2	
Complementary II Course 1		"	3	2	
<b>Total</b>			<b>25</b>	<b>20</b>	<b>400</b>

## Semester II

Course	Code	Title	Hrs/ Week	Credit	Marks
Common Course 4	A03	Common English Course III	5	4	100
Common Course 5	A04	Common English Course IV	4	3	100
Common Course 6	A08	Additional Language Course II	4	4	100
Core Course 2	JOU2B02	Fundamentals of Mass Communication	6	5	100
Complementary I Course – 2		Detailed Syllabi and Objectives are to be provided by the concerned Boards	3	2	100*
Complementary II Course – 2		"	3	2	100**
<b>Total</b>			<b>25</b>	<b>20</b>	<b>600</b>

\* Combined examination for Complementary I course 1 & course 2

\*\* Combined examination for Complementary II course 1 & course 2



  
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### Semester III

Course	Code	Title	Hrs/ Week	Credit	Marks
Common Course 7	A05	Common English Course V	5	4	100
Common Course 8	A09	Additional Language Course III	5	4	100
Core Course 3	JOU3B03	History of Journalism and Broadcasting	4	4	100
Core Course 4	JOU3B04	Reporting for Newspapers	5	4	100
Complementary I Course – 3		Detailed Syllabi and Objectives are to be provided by the concerned Boards	3	2	
Complementary II Course - 3		"	3	2	
		<b>Total</b>	<b>25</b>	<b>20</b>	<b>400</b>

### Semester IV

Course	Code	Title	Hrs/ Week	Credit	Marks
Common Course 9	A06	Common English Course VI	5	4	100
Common Course 10	A10	Additional Language Course IV	5	4	100
Core Course 5	JOU4B05	Editing for Newspapers	5	4	100
Core Course 6	JOU4B06	Design and Pagination	4	4	100
Complementary I Course – 4		Detailed Syllabi and Objectives are to be provided by the concerned Boards	3	2	100*
Complementary II Course – 4		"	3	2	100**
		<b>Total</b>	<b>25</b>	<b>20</b>	<b>600</b>

\* Combined examination for Complementary I course 3 & course 4

\*\*Combined examination for Complementary II course 3 & course 4



  
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## Semester V

Course	Code	Title	Hrs/Week	Credit	Marks
Core Course 7	JOU5B07	Radio Production	5	4	100
Core Course 8	JOU5B08	Introduction to Television Production	5	4	100
Core Course 09	JOU5B09	Corporate Communication	4	4	100
Core Course 10	JOU5B10	Advertising	4	4	100
Core Course 11	JOU5B11	Photo Journalism	4	4	100
Open Course I	Students from other disciplines can opt any one of the following courses:				
	JOU5D01(i)	Newspaper Journalism	3	2	50
	JOU5D01(ii)	Broadcast Journalism			
	JOU5D01(iii)	Development Communication			
		<b>Total</b>	<b>25</b>	<b>22</b>	<b>550</b>

## Semester VI

Course	Code	Title	Hrs/Week	Credit	Marks
Core Course 12	JOU6B12	Media Laws and Ethics	5	4	100
Core Course 13	JOU6B13	Online Journalism	5	4	100
Core Course 14	JOU6B14	Introduction to Cinema	5	4	100
Electives	Colleges can choose any one of the following Core Courses (Electives):				
	JOU6B15(E)-i JOU6B15 (E)-ii JOU6B15 (E)-iii	Documentary Film production Magazine Journalism Business Journalism	5	4	100
Core Course-16	JOU3B16	Project	5	2	50
		<b>Total</b>	<b>25</b>	<b>18</b>	<b>450</b>
		<b>Total Credits</b>		<b>120</b>	<b>3000</b>



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## PART II

### Complementary Courses in

1. Journalism,
2. Electronic Media, and
3. Mass Communication (for BA West Asian Studies)

*for*

*Non-Journalism UG Programmes*



  
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## I. Complementary Courses in Journalism

1. Introduction to Communication and Journalism.
2. News Reporting and Editing.
3. History of Mass Media.
4. Corporate Communication and Advertising.

### Distribution of Courses

Semester	Code	Title	Hrs/Week	Credit	Marks
I	JOU1C01	Introduction to Communication and Journalism	3	2	
II	JOU2C01	News Reporting and Editing	3	2	100*
III	JOU3C01	History of Mass Media	3	2	
IV	JOU4C01	Corporate Communication and Advertising	3	2	100**
<b>Total</b>				<b>8</b>	<b>200</b>

\* Combined examination for course 1 (JOU1C01) & course 2 (JOU2C01)

\*\* Combined examination for course 3 (JOU3C01) & course 4 (JOU4C01)

## II. Complementary Courses in Electronic Media

1. Introduction to Electronic Media
2. Radio and Television
3. Fundamentals of Cinema
4. Introduction to New Media.

### Distribution of Courses

Semester	Code	Title	Hrs/Week	Credit	Marks
I	JOU1C02	Introduction to Electronic Media	3	2	
II	JOU2C02	Radio and Television	3	2	100*
III	JOU3C02	Fundamentals of Cinema	3	2	
IV	JOU4C02	Introduction to New Media.	3	2	100**
<b>Total</b>				<b>8</b>	<b>200</b>

\* Combined examination for course 1 (JOU1C02) & course 2 (JOU2C02)

\*\* Combined examination for course 3 (JOU3C02) & course 4 (JOU4C02)

Note: The present complementary courses in Audio Visual Communication can be replaced with the new complementary courses in Electronic Media.



  
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**III. Complementary Courses in Mass Communication  
(for BA West Asian Studies)**

1. Introduction to Mass Communication
2. Print Media Journalism
3. Electronic Media
4. Mass Media in West Asia

Semester	Code	Title	Hrs/ Week	Credit	Marks
I	JOU1C03	Introduction to Mass Communication	3	2	
II	JOU2C03	Print Media Journalism	3	2	100*
III	JOU3C03	Electronic Media	3	2	
IV	JOU4C03	Mass Media in West Asia	3	2	100**
		<b>Total</b>		<b>8</b>	<b>200</b>

\* Combined examination for course 1 (JOU1C03) & course 2 (JOU2C03)

\*\* Combined examination for course 3 (JOU3C03) & course 4 (JOU4C03)



  
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**BA PROGRAMME IN MASS COMMUNICATION AND JOURNALISM  
CORE COURSES**

Sl. No.	Code	Title	Contact hrs	Credit	Semester	Marks
11	JOU1B01	Methodology and Perspectives of Communication and Journalism	6	5	I	100
12	JOU2B02	Fundamentals of Mass Communication	6	5	II	100
13	JOU3B03	History of Journalism and Broadcasting	4	4	III	100
14	JOU3B04	Reporting for Newspapers	5	4	III	100
15	JOU4B05	Editing for Newspapers	5	4	IV	100
16	JOU4B06	Design and Pagination	4	4	IV	100
17	JOU5B07	Radio Production	5	4	V	100
18	JOU5B08	Introduction to Television Production	5	4	V	100
19	JOU5B09	Corporate Communication	4	4	V	100
20	JOU5B10	Advertising	4	4	V	100
21	JOU5B11	Photo Journalism	4	4	V	100
22	JOU6B12	Media Laws and Ethics	5	4	VI	100
23	JOU6B13	Online Journalism	5	4	VI	100
24	JOU6B14	Introduction to Cinema	5	4	VI	100
25	JOU6B15(E)-i JOU6B15 (E)-ii JOU6B15 (E)-iii	Documentary Film production	5	4	VI	100
Elec- tives. To choose 1 out of 3.		Magazine Journalism				
		Business Journalism				
26	JOU6B16	<b>Project</b> Each student shall submit a short research project relevant to the areas of communication, journalism and mass media carried out under the supervision of a teacher. Evaluation is based on a dissertation (in approximately 25-40 pages typescript in standard dissertation format).	5	2	VI	50
<b>Total</b>				<b>64</b>		<b>1550</b>



  
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**UNIVERSITY OF CALICUT**

**Abstract**

BA Programme in English - CUCBCSS UG - 2014 Admission - Scheme and Syllabus - Approved - Implemented with effect from 2014 Admissions - Orders Issued

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**G & A - IV - B**

U.O.No. 6837/2014/Admn

Dated, Calicut University.P.O, 16.07.2014

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- Read:-*1. UO , No. 3797/2013/CU dated 07.09.2013 (CBCSS UG Modified Regulations ) (File .ref.no. 13752/GAIV J SO /2013/ CU)  
2. UO . No 5180/2014/Admn, dated 29.05.2014 (CBCSS UG Revised Regulations ) (File ref.no. 13752/GAIV J SO/2013/CU)  
3. Item no 1 of the Minutes of the Meeting of the Board of Studies in English UG held on 07.03.2014  
4. Remarks of the Dean Faculty of Language and Literature vide email dated 30.05.2014  
5. Orders of the Vice Chancellor in file of even No. dated 13.07.2014

**ORDER**

The Modified Regulations of Choice Based Credit Semester System for UG Curriculum with effect from 2014 admission under the University of Calicut was implemented vide paper read first above.

The Revised CUCBCSS UG Regulations has been implemented with effect from 2014 admission for all UG Programmes under CUCBCSS in the University vide paper read second above.

The Board of Studies in English (UG) vide paper read third unanimously ratified the revised Syllabi of CUCBCSS BA English with effect from 2014 admission.

Vide paper read fourth the Dean Faculty of Language and Literature has approved the Minutes of the Meeting of the Board of Studies in English (UG) held on 07.03.2014 and the Syllabus of BA English CUCBCSS .

Vide paper read fifth above, the Hon'ble Vice Chancellor , considering the exigency, exercising the powers of the Academic Council has approved the item number 1 of the Minutes of the Meeting of the Board of Studies in English (UG) held on 07.03.2014 subject to ratification by the Academic Council , .

Sanction has therefore been accorded for implementing the Scheme and Syllabus of BA



  
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Programme in English under CUCBCSS, in the University with effect from 2014 admission.

Orders are issued accordingly.

(The Syllabus is available in the Website: University of Calicut.info)

Muhammed S  
Deputy Registrar

To

1. The Principals of all Affiliated Colleges under the University of Calicut
2. PS to VC/PVC/ PA to Registrar/CE/EX IV Section/EG Section/Director SDE/DR and AR -  
BA Branch/SDE/SDE Exam Branch/Library/Information Centres/SF/DF/FC

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UNIVERSITY OF CALICUT

Abstract

Faculty of Commerce and Management Studies-Scheme and syllabus of Master of Commerce (M.Com) in International Finance under CCSS for affiliated Colleges and Department of Commerce and Management Studies,University of Calicut, in collaboration with CMA London-implemented -orders issued.

G & A - IV - E

U.O.No. 10820/2017/Admn

Dated, Calicut University.P.O, 26.08.2017

- Read:-1.Minutes of the meeting of the Board of studies in Commerce (PG) held on 27.02.2017.  
2.Minutes of the meeting of the Faculty of Commerce and Management Studies held on 29.03.2017.  
3.Item No II.E of the Minutes of the Meeting of the Academic Council held on 17.07.2017.

ORDER

As per paper read as (1),the Board of Studies in Commerce (PG) approved the scheme and syllabi of M.Com International Finance in collaboration with CMA London.

As per paper read as (2),the Faculty of Commerce and Management Studies approved the minutes of the meeting of the Board of Studies in Commerce (PG) held on 27.02.2017.

As per paper read as (3),the Academic Council held on 17.07.2017 approved the Minutes of the meeting of the Faculty of Commerce and Management Studies held on 29.03.2017 and the Minutes of the meeting of the various Boards of Studies coming under the Faculty.

Sanction is accorded by the Vice Chancellor to implement the above resolution of the Academic council.

The following orders are threfore issued;

The Scheme and syllabus of Master of Commerce (M.Com) in International Finance under CCSS for affiliated Colleges and Department of Commerce and Management Studies, University of Calicut, in collaboration with CMA London is implemented with effect from 2017-18 academic year.

(Scheme and Syllabus appended)

Ajitha P.P

Joint Registrar

To

- 1.The Controller of Examinations
- 2.Head, Department of Commerce and Management studies
- 3.Principals of affiliated Colleges offering M.Com I.F

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## 6.2 Semester Two

Course code	Name of the course	Credit	External marks (Maximum ) 80	Internal marks (Maximum ) 20	Total 100
MCIF2C 6	International Business	4	80	20	100
MCIF2C 7	Advanced Financial Reporting	4	80	20	100
MCIF2C 8	Business Taxation	4	80	20	100
MCIF2C 9	Advanced Management Accounting	4	80	20	100
MCIF2C 10	Project and Relationship Management	4	80	20	100
	<b>Total</b>	<b>20</b>	<b>400</b>	<b>100</b>	<b>500</b>

## 6.3 Semester Three

Course code	Name of the course	Credit	External marks (Maximum ) 80	Internal marks (Maximum ) 20	Total 100
MCIF3C 11	Financial Market and Institutions	4	80	20	100
MCIF3C 12	Business Communication	4	80	20	100
MCIF3C 13	Research Methodology	4	80	20	100
MCIF3 E01	Financial Strategy	4	80	20	100
MCIF3 E02	Security Analysis and Portfolio Management	4	80	20	100
	<b>Total</b>	<b>20</b>	<b>400</b>	<b>100</b>	<b>500</b>

## 6.4 Semester Four

Course code	Name of the course	Credit	External marks (Maximum ) 80	Internal marks (Maximum ) 20	Total 100
MCIF4	Management Science	4	80	20	100



  
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### 6.2 Semester Two

Course code	Name of the course	Credit	External marks (Maximum) 80	Internal marks (Maximum) 20	Total 100
MCIF2C 6	International Business	4	80	20	100
MCIF2C 7	Advanced Financial Reporting	4	80	20	100
MCIF2C 8	Business Taxation	4	80	20	100
MCIF2C 9	Advanced Management Accounting	4	80	20	100
MCIF2C 10	Project and Relationship Management	4	80	20	100
	<b>Total</b>	<b>20</b>	<b>400</b>	<b>100</b>	<b>500</b>

### 6.3 Semester Three

Course code	Name of the course	Credit	External marks (Maximum) 80	Internal marks (Maximum) 20	Total 100
MCIF3C 11	Financial Market and Institutions	4	80	20	100
MCIF3C 12	Business Communication	4	80	20	100
MCIF3C 13	Research Methodology	4	80	20	100
MCIF3 E01	Financial Strategy	4	80	20	100
MCIF3 E02	Security Analysis and Portfolio Management	4	80	20	100
	<b>Total</b>	<b>20</b>	<b>400</b>	<b>100</b>	<b>500</b>

### 6.4 Semester Four

Course code	Name of the course	Credit	External marks (Maximum) 80	Internal marks (Maximum) 20	Total 100
MCIF4	Management Science	4	80	20	100



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C14					
MCIF4 C15	Strategic Management	4	80	20	<b>100</b>
MCIF4 E03	Risk Management	4	80	20	<b>100</b>
MCIF4 E04	Tax Planning and Management	4	80	20	<b>100</b>
MCIF4 C (P)01	Project Report	6	120	30	<b>150</b>
MCIF4 C (V)02	Viva Voce	2	40	10	<b>50</b>
	<b>Total</b>	<b>24</b>	<b>480</b>	<b>120</b>	<b>600</b>

### 7.0 Attendance

A candidate shall attend a minimum of 75% of the number of classes actually held for each of the courses in a semester to be eligible for appearing for examination in that course. If the candidate has shortage of attendance in any course in any semester, he or she shall not be allowed to appear for any examination in that semester. However, the University may condone up to 10% of shortage if the candidate applies for it as laid down in University Procedures and if the Vice Chancellor is satisfied with the reasons cited by the candidate for his absence in classes.

### 8.0 Schedule and Hours of Lecture

#### 8.1 Duration of the semester

Each semester shall consist of 18 weeks of study. This includes the time used for conducting University examinations.

#### 9.0 Internal Assessment

All courses shall have internal assessment.

#### 9.1 Internal Assessment Marks

As per common regulations for CCSS for PG programmes under the University of Calicut

#### 9.2 External Examination: As per common regulations for CCSS for PG

### 10.0 Project Work

**10.1** During the fourth semester each student shall do a project for a business organization or a social or an economic problem identified by the supervising teacher under the guidance of a faculty member.

**10.2** The Project shall be done individually  
project shall be done individually..

**10.3** The candidate shall prepare at least two copies of the report: one copy for submission to the Department and one copy for the student which he/she has to bring with him/her at the time of viva voce. More copies may be prepared if the organization or the guide or both



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UNIVERSITY OF CALICUT

Abstract

General and Academic - B.Voc Programme in Food Science under modified B.Voc Regulations 2014 - Scheme and Syllabus - Approved - Implemented w.e.f 2018 Admissions - Orders issued.

**G & A - IV - J**

U.O.No. 15632/2019/Admn

Dated, Calicut University.P.O, 05.11.2019

- Read:-1. U.O.No. 7404/2018/Admn dated 19.06.2018  
2. Item No.1 in the minutes of the B.Voc Regulations Committee held on 13.09.2018  
3. Item No.II in the minutes of the meeting of the Board of Studies in Food Technology held on 23.10.2018  
4. Letter No.414/B.Voc.PRC/3-19 from the Principal, Pazhassi Raja College, Wayanad dated 20.03.2019  
5. Remarks from the Chairperson, Board of Studies in Food Technology dated 08.05.2019  
6. Remarks from the Dean, Faculty of Science dated 27.05.2019  
7. Item No.I.21 in the Minutes of LXXX Academic Council held on 05.10.2019.

ORDER

The modified B.Voc Regulations has been implemented vide paper read as (1) and vide paper read as (2), the B.Voc Regulations Committee decided to place the syllabi of new B.Voc Programmes which are sanctioned by UGC, in various colleges under University of Calicut, before various Boards of Studies for approval.

The Board of Studies in Food Technology vide paper read as (3) considered the matter of approval of B.Voc programme in Food Science of Pazhassi Raja College, Wayanad and recommended to change some content of the syllabus. The Principal has forwarded the corrected syllabus of B.Voc Programme in Food Science as vide paper read as (4).

The Chairperson, Board of Studies in Food Technology has examined the syllabus of B.Voc Food Science and recommended to approve the same vide paper read as (5). The Faculty of Science vide paper read as (6) and the Academic Council vide paper read as (7) approved the same. The Vice Chancellor has accorded sanction to implement the Academic Council decision.

Sanction has therefore been accorded for implementing the Scheme and Syllabus of B.Voc Programme in Food Science under modified B.Voc Regulations 2014, in the University w.e.f 2018 admissions.

Orders are issued accordingly.( Syllabus appended)

Biju George K

Assistant Registrar

To

Principals of the Colleges offering BVoc Programme in Food Science  
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## B. Voc in Food Science Syllabus Outline

C. No.	Course code	Course title	Hours/ week	Credits	Marks		
					Internal	External	Total
<b>Semester I</b>							
1.1	GEC1EG01	English (A01)-Transaction-essential English language skills (Common Paper for UG Programmes-Adopted from Calicut University Syllabus)	4	4	20	80	100
1.2	GEC1ML02 GEC1HN02	Communication Skill in Languages other than English (A07(3)) (Common Paper for UG Programmes-Adopted from Calicut University Syllabus)	4	4	20	80	100
1.3	GEC1IT03	IT FOR BUSINESS & MANAGEMENT (BBIIC02) (Adopted from BACHELOR OF BUSINESS ADMINISTRATION syllabus - Complementary course -CU- 2014)	4	4	20	80	100
1.4	SDC1FS01	Bakery and Confectionery Technology	4	5	20	80	100
1.5	SDC1FS02(P)	Bakery and Confectionery Technology (Practical)	5	5	20	80	100
1.6	SDC1FS03	Principles of Food Preservation	4	4	20	80	100
1.7	SDC1FS04	Food Science and Nutrition	5	4	20	80	100
<b>Total</b>			<b>30</b>	<b>30</b>			<b>700</b>
<b>Semester II</b>							
2.1	GEC2EG04	English A(02) – Ways with the words- Literatures in English (Common Paper for UG Programmes-Adopted from Calicut University Syllabus)	4	4	20	80	100



2.2	GEC2ML05 GEC2HN05	Communication Skill in Languages other than English (A09)- Malayalam/Hindi (Common Paper for UG Programmes- Adopted from Calicut University Syllabus)	4	4	20	80	100
2.3	GEC2FM06	Food Microbiology –I (FT2 B 03) (Adopted from B.Sc. Food technology Syllabus-CU CBCSS UG 2014)	4	4	20	80	100
2.4	SDC2FS05	Dairy Technology	4	4	20	80	100
2.5	SDC2FS06(P)	Dairy Technology practical	5	5	20	80	100
2.6	SDC2FS07	Packaging Technology	4	4	20	80	100
2.7	SDC2FSI-1	Internship/Project		5	20	80	100
<b>Total</b>			<b>30</b>	<b>30</b>			<b>700</b>
<b>Semester III</b>							
3.1	GEC3EG07	English A(03)-Writing for academic and professional success (Common Paper for UG Programmes- Adopted from Calicut University Syllabus)	4	4	20	80	100
3.2	GEC3NS08	Basic Numerical Skills (A11) (Common Paper for UG Programmes- Adopted from Calicut University Syllabus)	4	4	20	80	100
3.3	GEC3FM09	Food Microbiology II (FT5 B 09) (Adopted from B.Sc. Food technology Syllabus-CU CBCSS UG 2014)	4	4	20	80	100
3.4	SDC2FS08 (P)	Chemical and Microbial Analysis of Foods (Practical)	5	5	20	80	100
3.5	SDC3FS09	Technology of Fish, Meat and Egg Processing	5	5	20	80	100
3.6	SDC3FS10	Technology of Spices and Plantation Crops	4	4	20	80	100
3.7	SDC3FS11	Food Additives and Flavour Technology	4	4	20	80	100
<b>Total</b>			<b>30</b>	<b>30</b>			<b>700</b>
<b>Semester IV</b>							
4.1	GEC4EG10	English A(04)- Zeit-geist: Reading on contemporary culture	4	4	20	80	100



		(Common Paper for UG Programmes- Adopted from Calicut University Syllabus)						
4.2	GEC4HR11	Human resource management (2..4 BCH) (Adopted from B.Com Syllabus, Calicut University, 2017-18 Admission)	4	4	20	80	100	
4.3	GEC4FN12	Food Chemistry and Nutrition (FT4 B 07) (Adopted from B.Şc. Food technology Syllabus-CU CBCSS UG 2014)	4	4	20	80	100	
4.4	SDC4FS12	Technology of Cereals, Pulses and Oilseeds	4	4	20	80	100	
4.5	SDC4FS13(P)	Technology of Cereals, Pulses and Oilseeds (Practical)	5	5	20	80	100	
4.6	SDC4FS14	Technology of Beverages	4	4	20	80	100	
4.7	SDC4FSI-2	Internship/Project		5	20	80	100	
<b>Total</b>			<b>30</b>	<b>30</b>			<b>700</b>	
<b>Semester V</b>								
5.1	GEC5FE13	Food Engineering (FT6 B OI E) (Adopted from B.Sc. Food technology Syllabus-CU CBCSS UG 2014)	4	4	20	80	100	
5.2	GEC5ED14	Entrepreneurship Development (BC4A13) (Adopted from B.Com Syllabus, Calicut University, 2017-18 Admission).	4	4	20	80	100	
5.3	SDC5FS15	Processing of Fruits and Vegetables	4	4	20	80	100	
5.4	SDC5FS16(P)	Processing of Fruits and Vegetables (Practical)	6	6	20	80	100	
5.5	SDC5FS17	Food Laws and Regulations	4	4	20	80	100	
5.6	SDC5FS18	Unit Operations in Food Industry	4	4	20	80	100	
5.7	SDC5FS19	Byproduct utilization and Waste management	4	4	20	80	100	
<b>Total</b>			<b>30</b>	<b>30</b>			<b>700</b>	
<b>Semester VI</b>								
6.1	SDC6FSPr-1	Major Internship/Main Project/Dissertation		30			100	
<b>Total</b>				<b>30</b>			<b>100</b>	







UNIVERSITY OF CALICUT

Abstract

General & Academic - B.Voc Programme in Agriculture under Modified B.Voc Regulations 2014 - Anomalies rectified - Question Bank and Pattern of Question Paper of GEC4IT11 Information Technology and GEC5EM13 Environmental Microbiology and Biotechnology with effect from 2018 Admission onwards- Implemented subject to ratification of Academic Council- Orders Issued.

G & A - IV - J

U.O.No. 8566/2021/Admn

Dated, Calicut University.P.O, 31.08.2021

- Read:-*1. U.O No. 15512/2019/Admn, Dated 02.11.2019.  
2. U.O No.12818/2020/Admn, Dated 21.12.2020.  
3.U.O.No. 5391/2021/Admn Dated, 19.05.2021.  
4. U.O Note No.121030/EX-I-ASST-1/2019/PB Dated: 29.07.2021.  
5. Remarks of the Chairman, Board of studies in B.Voc Agriculture, Dated 03.08.2021.  
6. Remarks of the Dean, Faculty of Science, Dated 08.08.2021.  
7. Orders of the Vice Chancellor in the file of even no. Dated 11.08.2021.

ORDER

1. The Scheme and syllabus of B.Voc Agriculture Programme has been implemented vide paper read (1) above, and Question Bank & Pattern of QP of IV & V Semester B.Voc Programme in Agriculture (2018 Admn) under modified B.Voc Regulations 2014 in the University has been implemented vide paper read (2) & Question Bank and Pattern of Question Paper of Plant Tissue Culture & Biotechnology (GEC3TC09) in third semester of B.Voc Programme in Agriculture has been implemented vide paper read (3)above.
2. Pareeksha Bhavan vide paper read (4) above, has requested to pay attention on the matter that " On verifying the Syllabus of B Voc Agriculture-2018 Admn, it is noticed that neither the source course nor programme is mentioned for the general courses for which the question banks are not provided.
3. The Chairman, Board of Studies in B.Voc Agriculture, vide paper read (5) above, has forwarded anomaly rectified syllabus of B.Voc Agriculture including source code & approved the Question Bank and Pattern of Question Paper of GEC4IT11, Information Technology and GEC5EM13, Environmental Microbiology and Biotechnology in 4th& 5th semester B.Voc Programme in Agriculture (2018 Admn) .
4. Vide paper read (6) above, the Dean, Faculty of Science has approved the recommendation of Chairman, Board of Studies in B.Voc Agriculture and the same has been approved by the Vice Chancellor, vide paper read (6) above.
5. Sanction is therefore accorded for implementing anomaly rectified syllabus of B.Voc Agriculture including source code & approved the Question Bank and Pattern of Question Paper of GEC4IT11 Information Technology and GEC5EM13 Environmental Microbiology and Biotechnology in 4th&5th semester B.Voc Programme in Agriculture under modified B.Voc Regulations 2014, w.e.f 2018 admissions.
6. Orders are issued accordingly. (Syllabus & Question Bank are appended)



*[Signature]*  
**PRINCIPAL**  
PAZHASSI RAJA COLLEGE  
PULPALLY 673 579

Ajitha P.P

Joint Registrar

To

1. The Controller of Examinations

## B. Voc Programme in Agriculture Syllabus Outline

C. No.	Course code	Course title	Hours/ week	Credits	Marks		
					Internal	External	Total
<b>Semester I</b>							
1.1	GEC1EG01	English A01	4	4	20	80	100
1.2	GEC1ML02 GEC1HD02	Additional Language A07 (Malayalam) Additional Language A07 (Hindi)	4	4	20	80	100
1.3	GEC1ES03	Fundamentals of Environmental Science (Source Code: EWM1B01T- Adopted from B.Sc programme in Environmental Science and Water Management under CUCBCSS UG-2014 Admission)	4	4	20	80	100
1.4	SDC1AG01	Fundamentals of Agronomy	4	4	20	80	100
1.5	SDC1AG02	Fundamentals of Horticulture	4	4	20	80	100
1.6	SDC1AG03	Fundamentals of Agricultural Engineering	4	4	20	80	100
1.7	SDC1AG04	Fundamentals of Agronomy and Horticulture – Practicals	6	6	20	80	100
<b>Total</b>			<b>30</b>	<b>30</b>			<b>700</b>
<b>Semester II</b>							
2.1	GEC2EG04	English A 02	4	4	20	80	100
2.2	GEC2ML05 GEC2HD05	Additional Language A08 (Malayalam) Additional Language A08 (Hindi)	4	4	20	80	100
2.3	GEC2HR06	Human Resource Management (Source Code: BC3C03- Adopted from B.Com Syllabus, CUCBCSS UG- 2017-18 Admission)	4	4	20	80	100
2.4	SDC2AG05	Plantation Crops, Spices and Fruits	4	4	20	80	100
2.5	SDC2AG06	Fundamentals of Seed technology	4	4	20	80	100
2.6	SDC2AG07	Plantation Crops, Spices and Fruits and Seed technology-Practicals	5	5	20	80	100
2.7	SDC2AG08	Internship/Project (Cultivation of Crops)		5		100	100
<b>Total</b>			<b>30</b>	<b>30</b>			<b>700</b>
<b>Semester III</b>							
3.1	GEC3EG07	English A03	4	4	20	80	100
3.2	GEC3NS08	Basic Numerical Skills (Common Paper for UG Programmes-Adopted from	4	4	20	80	100

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		Calicut University Syllabus)					
3.3	GEC3TC09	Plant Tissue Culture & Biotechnology	4	4	20	80	100
3.4	SDC3AG09	Micropropagation of Plants- Practicals	5	5	20	80	100
3.5	SDC3AG10	Integrated Pest Management in Crops	4	4	20	80	100
3.6	SDC3AG11	Protected Cultivation of Horticultural Crops	4	4	20	80	100
3.7	SDC3AG12	Protected Cultivation of Horticultural crops and Pest Management-Practicals	5	5	20	80	100
<b>Total</b>			<b>30</b>	<b>30</b>			<b>700</b>
Semester IV							
4.1	GEC4EG10	English A04	4	4	20	80	100
4.2	GEC4IT11	Information Technology	4	4	20	80	100
4.3	GEC4SA12	Soil and Agricultural Microbiology (Source Code: MB4B04- Adopted from B.Sc. Microbiology Syllabus- CUCBCSS UG-2018)	4	4	20	80	100
4.4	SDC4AG13	Weed Management and Fodder Crop Production	4	4	20	80	100
4.5	SDC4AG14	Livestock Farming	4	4	20	80	100
4.6	SDC4AG15	Weed Management , Fodder Crop Production and Livestock Farming-Practicals	5	5	20	80	100
4.7	SDC4AG16	Internship/Project (Cultivation of Rice)		5		100	100
<b>Total</b>			<b>30</b>	<b>30</b>			<b>700</b>
Semester V							
5.1	GEC5EM13	Environmental Microbiology and Biotechnology	4	4	20	80	100
5.2	GEC5FD14	Food and Dairy Microbiology (Source Code: MB5B07- Adopted from B.Sc. Microbiology Syllabus- CUCBCSS UG-2018)	4	4	20	80	100
5.3	SDC5AG17	Commercial Vegetable Production	4	4	20	80	100
5.4	SDC5AG18	Agricultural Enterprises	4	4	20	80	100
5.5	SDC5AG19	Fundamentals of Organic Farming	4	4	20	80	100
5.6	SDC5AG20	Government Policies and Programmes Related to Agriculture	4	5	20	80	100
5.7	SDC5AG21	Commercial Vegetable Production, Agricultural Enterprises and Organic farming -Practicals	5	5	20	80	100
<b>Total</b>			<b>30</b>	<b>30</b>			<b>700</b>



  
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Semester VI							
6.1	SDC6AG22	Major Internship/Main Project and Dissertation		30		100	100
<b>Total</b>				<b>30</b>		<b>100</b>	<b>100</b>
<b>Total for General Courses</b>				<b>56</b>	<b>280</b>	<b>1120</b>	<b>1400</b>
<b>Total for Skill Development Courses</b>				<b>124</b>	<b>380</b>	<b>1620</b>	<b>2200</b>
<b>Grand Total</b>				<b>180</b>	<b>660</b>	<b>2740</b>	<b>3600</b>

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UNIVERSITY OF CALICUT

Abstract

General and Academic - Faculty of Language and Literature - Syllabus of BA English Language and Literature (including Dual Core) under CBCSS UG Regulations 2019 with effect from 2019 Admission onwards -Implemented-Orders Issued.

**G & A - IV - B**

U.O.No. 8653/2019/Admn

Dated, Calicut University.P.O, 02.07.2019

*Read:-*1.U.O.No. 4368/2019/Admn Dated, 23.03.2019.

2.Minutes of the Meeting of the Board of Studies in English (UG) held on 27/03/2019 (Item No.3).

3.Minutes of the meeting of the Faculty of Language and Literature on 17/06/2019 (Item No. V a).

ORDER

The Regulations for Choice Based Credit and Semester System for Under Graduate (UG) Curriculum-2019 (CBCSS UG Regulations 2019) for all UG Programmes under CBCSS-Regular and SDE/Private Registration w.e.f. 2019 admission has been implemented vide paper read first above .

The meeting of the Board of Studies in English UG held on 27/03/2019 vide item No. 3 has approved the Syllabus of BA English Language and Literature (including Dual core) in tune with new CBCSS UG Regulation implemented with effect from 2019 Admission onwards, vide paper read second above.

The Faculty of Language and Literature at its meeting held on 17/06/2019 has approved item No.3 of the minutes of the meeting of the Board of Studies in English UG held on 27/03/2019 vide paper read third above.

Under these circumstances, considering the urgency , the Vice Chancellor has accorded sanction to implement the Scheme and Syllabus of BA English Language and Literature (including Dual core) in accordance with the new CBCSS UG Regulations 2019, in the University with effect from 2019 Admission onwards, subject to ratification by the Academic Council.

Sanction is therefore accorded for implementing the Scheme and Syllabus of BA English Language and Literature (including Dual core) in accordance with CBCSS UG Regulations 2019, in the University with effect from 2019 Admission onwards .

Orders are issued accordingly. (Syllabus appended)

Biju George K

Assistant Registrar

To

1.The Principals of all Affiliated Colleges 2. Director, SDE

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Section Officer

### CORE COURSES

Serial No.	COURSE CODE	SEMESTER	TITLE OF THE COURSE	HRS/WK	CREDITS	PAGE
1	ENG1B01	1	INTRODUCING LITERATURE	6	5	1
2	ENG2B02	2	APPRECIATING POETRY	6	5	1
3	ENG3B03	3	APPRECIATING PROSE	4	4	1
4	ENG3B04	3	ENGLISH GRAMMAR AND USAGE	5	4	1
5	ENG4B05	4	APPRECIATING FICTION	5	4	1
6	ENG4B06	4	LITERARY CRITICISM	4	4	2
7	ENG5B07	5	APPRECIATING DRAMA AND THEATRE	5	4	2
8	ENG5B08	5	LITERARY THEORY	5	4	2
9	ENG5B09	5	LANGUAGE AND LINGUISTICS	5	4	2
10	ENG5B10	5	INDIAN WRITING IN ENGLISH	5	4	3
11	ENG6B11	6	VOICES OF WOMEN	5	4	3
12	ENG6B12	6	CLASSICS OF WORLD LITERATURE	5	4	3
13	ENG6B13	6	FILM STUDIES	5	4	3
14	ENG6B14	6	NEW LITERATURES IN ENGLISH	5	4	3
15	ENG6B15/16/17/18/19/20	6	ELECTIVES	3	3	40/42/48
16	ENG6B21/ ENG6B22	5 and 6	PROJECT/ RESEARCH METHODOLOGY	2 per semester	2	52
17	SCHEME OF EXAMINATION					7
TOTAL					63 CREDITS	



Study Tour

PRINCIPAL  
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Students may be taken on a study tour to any of the premier institutions of language, culture, art, film or music within the country during the V<sup>th</sup> or VI<sup>th</sup> semesters

## ELECTIVES

Serial No.	COURSE CODE	SEMESTER	TITLE OF THE COURSE	HRS/WK	PAGE NO.
1	ENG6B15	6	LITERATURE OF THE MARGINALIZED	3	40
2	ENG6B16	6	DIGITAL LITERATURE AND ENGLISH	3	42
3	ENG6B17	6	WRITING FOR THE MEDIA	3	44
4	ENG6B18	6	TRANSLATION STUDIES	3	46
5	ENG6B19	6	ENGLISH LANGUAGE EDUCATION	3	48
6	ENG6B20	6	SHAKESPEARE	3	50

## OPEN COURSES

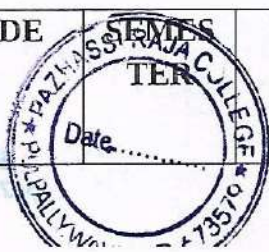
### (FOR STUDENTS OF OTHER DISCIPLINES)

Open Course offers chances for any undergraduate students in an institution to take a course of their own choice, from other disciplines in the same institution.

Serial No.	COURSE CODE	SEMESTER	TITLE OF THE COURSE	HRS/WK	CREDITS	PAGE NO.
1	ENG5D01	5	ENGLISH FOR COMPETITIVE EXAMINATIONS	3	3	57
2	ENG5D02	5	CREATIVE WRITING IN ENGLISH	3	3	59
3	ENG5D03	5	APPRECIATING LITERATURE	3	3	61

## DUAL CORE PROGRAMMES

Serial No.	COURSE CODE	SEMESTER	TITLE OF THE COURSE	HRS/WK	CREDITS	PAGE NO.



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1	ENG1B01	1	INTRODUCING LITERATURE	6	5	10
2	ENG2B02	2	APPRECIATING POETRY	6	5	13
3	ENG3B03	3	APPRECIATING PROSE	4	4	15
4	ENG3B04	3	ENGLISH GRAMMAR & USAGE	5	4	17
5	ENG4B06	4	LITERARY CRITICISM	4	4	21
6	ENG5B23	5	APPRECIATING DRAMA	5	5	70
7	ENG5B09	5	LANGUAGE & LINGUISTICS	5	4	27
9	ENG6B11	6	VOICES OF WOMEN	5	4	32
10	ENG6B(15/16/17/18/19)	6	ELECTIVES	3	3	40/42/44/46/48/50
11	PROJECT/ RESEARCH METHODOLOGY ENG6B21 ENG6B22	5 and 6		2 per semester	3	52/55
TOTAL			41 CREDITS			

**\*Project can be chosen either from Core English or from other core**

### Complementary Courses

Complementary Courses provide learners with openings to disciplines ancillary to core Courses. They give opportunities to explore areas contiguous to English Language and Literature and also of reciprocal interest. There are **Type I** and **Type II** Complementary Courses. There shall be only one Complementary Course in a semester for B A Programmes. Type I Complementary Courses are taught in Semester I and IV. Type II Complementary Courses are taught in Semester II and III. The college can decide on which complementary course to be taken as Type I or Type II.

### COMPLEMENTARY COURSES OFFERED BY BOARD OF STUDIES IN ENGLISH (UG) FOR OTHER UG PROGRAMMES

Serial No.	COURSE CODE	SEMESTER	TITLE OF THE COURSE	HRS/WK	CREDIT S	PAGE NO.
1	ENG1(2)C01	½	ENGLISH FOR COMMUNICATION COURSE I	6	4	63



			ASPECTS OF ORAL AND INTERPERSONAL COMMUNICATION			
2	ENG4(3)C01	¾	ENGLISH FOR COMMUNICATION COURSE II ASPECTS OF READING AND WRITING	6	4	65
				TOTAL 8 CREDITS		

**COMBINATION OF COMPLEMENTARY COURSES OFFERED FOR B.A. ENGLISH PROGRAMME**

Table 1	Table 2
Social and Cultural History of Britain	Modern World History/Journalism/Political Science/Sociology/ Indian Constitution and Politics/ Modern Indian History
Journalism	Political Science/ Electronic Media/ Modern Indian History/ Indian Constitution and Politics
History of English Literature	Social and Cultural History of Britain/ Modern World History/Journalism/Political Science/Sociology/ Indian Constitution and Politics/ Modern Indian History/ Electronic Media
Emergence and Establishment of Islam	Movements and Revivalism in Islam

\*Colleges can opt one Complementary Course from Table 1 and a corresponding Complementary Course from Table 2. It is not permitted to make options across the table given above

**COMPLEMENTARY COURSES OFFERED BY BOARD OF STUDIES IN ENGLISH (UG) [TO BE OPTED BY STUDENTS OF B.A. ENGLISH PROGRAMME]**

Serial No.	COURSE CODE	SEMESTER	TITLE OF THE COURSE	HRS/WK	CREDITS	PAGE NO.
1	ENG1(2)C02	½	HISTORY OF ENGLISH LITERATURE – I	6	4	66
2	ENG4(3)C02	¾	HISTORY OF ENGLISH LITERATURE - II	6	4	68





## UNIVERSITY OF CALICUT

Abstract

General and Academic- Faculty of Humanities- BA History programme- Syllabus of fifth and sixth semester BA History (including Dual Core) along with the Syllabus of Gender Studies (HIS4B20) for IV semester BA History (dual core) - under CBCSS UG Regulation 2019 - with effect from 2019 Admission onwards - Implemented- Orders Issued

G & A - IV - B

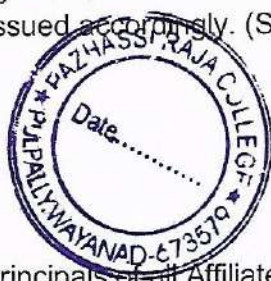
U.O.No. 12854/2020/Admn

Dated, Calicut University.P.O, 22.12.2020

- Read:-*
1. UO. No. 4368/2019/Admn Dated: 23.03.2019
  2. UO. No. 8479/2019/Admn Dated: 30.06.2019
  3. UO. No. 3514/2020/Admn Dated: 17.03.2020
  4. UO. No. 5130/2020/Admn Dated: 04.06.2020
  5. Item No.3 of the Minutes of the meeting of the Board of Studies in History-UG held on 16.07.2020
  6. Item No. 19 of the Minutes of the meeting of the Faculty of Humanities held on 26.08.2020.
  7. Extract of the item No.II.D of the minutes of the LXXXI meeting of the Academic Council held on 01.10.2020.

ORDER

1. The Regulations for Choice Based Credit and Semester System for Under Graduate (UG) Curriculum-2019 (CBCSS UG Regulations 2019) for all UG Programmes under CBCSS-Regular and SDE/Private Registration, with effect from 2019 Admission, has been implemented vide paper read (1) above.
2. The Scheme and Syllabus of I and II Semesters of BA History Programme (including Dual core) in tune with new CBCSS UG Regulation-2019, has been implemented in the University with effect from 2019 Admission onwards, vide paper read (2) above.
3. The Syllabus of the Complementary Course, Historical Tourism offered by BA History programme in accordance with CBCSS UG Regulations-2019 has been implemented in the University with effect from 2019 Admission onwards, vide paper read (3) above.
4. The Scheme and Syllabus of III and IV Semesters of BA History Programme (including Dual core) in tune with new CBCSS UG Regulation-2019, has been implemented in the University with effect from 2019 Admission onwards, vide paper read (4) above.
5. The meeting of the Board of Studies in History (UG), held on 16.07.2020 resolved to approve the Syllabus of BA History Programme w.e.f 2019 admissions (V and VI Sem), along with the Syllabus of Gender Studies (HIS4B20) for IV semester BA History (double main), vide paper read (5) above.
6. The online meeting of the Faculty of Humanities held on 26.08.2020, vide paper read (6) above, has approved the above resolution of the Board of Studies.
7. The meeting of the Academic Council held on 01.10.2020 has approved the minutes of the meeting of the Board of Studies in History UG held on 16.07.2020 as approved by Faculty of Humanities vide paper read as (7) above. Sanction has been accorded by the Vice Chancellor in the file No. 7251/GA-IV-B1/2013/CU dated 09.10.2020 to implement the above decision of the Academic Council.
8. Sanction is therefore accorded to implement the Scheme and Syllabus of BA History Programme - Vth and VIth semester (including Dual Core) along with the Syllabus of Gender Studies (HIS4B20) for IVth semester BA History (dual core) in accordance with the CBCSS UG Regulations-2019, in the University with effect from 2019 Admission onwards.
9. Orders are issued accordingly. (Syllabus of I to VI sem with Model question papers appended).



*Arsad M*  
**PRINCIPAL**  
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Arsad M

Assistant Registrar

To

1. The Principals of all Affiliated Colleges 2. Director, SDE  
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## CORE COURSES

(15 courses including project work)

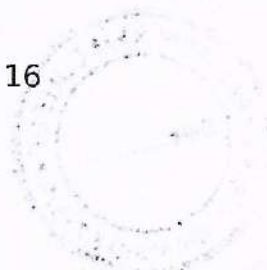
Sl. No	Code	Title	Contact Hours	Semester	Credit
1	HIS1 B01	TRENDS IN HISTORIOGRAPHY	6	I	5
2	HIS2 B02	TRENDS IN INDIAN HISTORIOGRAPHY	6	II	5
3	HIS3 B03	WORLD HISTORY- 1	4	III	4
4	HIS3 B04	INDIAN HISTORY- 1	5	III	4
5	HIS4 B05	WORLD HISTORY- 2	4	IV	4
6	HIS4 B06	INDIAN HISTORY- 2	5	IV	4
7	HIS5 B07	WORLD HISTORY- 3	5	V	4
8	HIS5 B08	INDIAN HISTORY- 3	5	V	4
9	HIS5 B09	KERALA HISTORY-1	5	V	4
10	HIS5 B10	METHODOLOGY OF THE WRITING OF HISTORY	5	V	4
11	HIS6 B11	INDIAN HISTORY- 4	5	VI	4
12	HIS6 B12	KERALA HISTORY- 2	5	VI	4
13	HIS6 B13	GENDER STUDIES	5	VI	4
14	HIS6 B14	INDIAN HERITAGE AND PLURALITY OF CULTURES	5	VI	4
15	HIS6 B15	DISSERTATION/ METHODOLOGY OF LOCAL HISTORICAL WRITING	2 Hours each in 5 <sup>th</sup> and 6 <sup>th</sup> Semesters	V&VI	2
<b>TOTAL CREDIT</b>					<b>60</b>



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### COMPLEMENTARY COURSES

(12 courses)

Sl. No.	Code	Name of the Courses	Credit	Contact Hours/week	Sem
1	HIS1(2) C01	Modern Indian History (1857 to the Present): I	4	6	I/II
2	HIS4(3) C01	Modern Indian History (1857 to the Present): II	4	6	IV/III
3	HIS1(2) C02	Modern World History from AD 1500: I	4	6	I/II
4	HIS4(3) C02	Modern World History from AD 1500: II	4	6	IV/III
5	HIS1(2) C03	Social and Cultural History of Britain: I	4	6	I/II
6	HIS4(3) C03	Social and Cultural History of Britain: II	4	6	IV/III
7	HIS1(2) C04	West Asian Studies: I	4	6	I/II
8	HIS4(3) C04	West Asian Studies: II	4	6	IV/III
9	HIS1(2) C05	Archaeology In India: I	4	6	I/II
10	HIS4(3) C05	Archaeology In India: II	4	6	IV/III
11	HIS1(2) C06	History Of Journalism: I	4	6	I/II
12	HIS4(3) C06	History Of Journalism: II	4	6	IV/III
13	HIS1(2) C07	Tourism in Historical Perspective	4	6	I/II
14	HIS4(3) C07	History of Tourism Development in India	4	6	IV/III

### OPEN COURSES

(3 courses)

Sl. No	Code	Title	Contact Hours	Semester	Credit
1	HIS5D01	HISTORICAL TOURISM	3	V	3
2	HIS5D02	HISTORY OF KERALA RENAISSANCE	3	V	3
3	HIS5D03	HISTORY OF SCIENCE AND TECHNOLOGY IN INDIA	3	V	3



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UNIVERSITY OF CALICUT

Abstract

General and Academic - Faculty of Commerce and Management Studies - Scheme and Syllabus of BBA Programme (CBCSS UG 2019 ) with effect from 2019 admission onwards - Corrections in the Syllabus- Implemented - Orders issued.

G & A - IV - E

U.O.No. 17160/2019/Admn

Dated, Calicut University.P.O, 07.12.2019

- Read:-*1. U.O No.4368/2019/Admn dtd 23.03.2019.  
2. U.O.No.8463/2019/Admn dtd 29.06.2019.  
3. Letter dtd 30.11.2019 from the Chairman, Board of Studies in Management(UG).  
4. Letter dtd 03.12.2019 from the Dean, Faculty of Commerce and Management Studies.

ORDER

1.The Regulations for Choice Based Credit and Semester System for Under Graduate (UG) Curriculum - 2019 (CBCSS UG Regulations 2019) for all UG Programmes under CBCSS - Regular and SDE/Private Registration in the University of Calicut, w.e.f. 2019 admissions was implemented vide paper read as (1).

2. The Regulations , Scheme & Syllabus of BBA programme for Affiliated Colleges and SDE/ Private Registration under CBCSS-UG 2019 Regulations was implemented w.e.f 2019 Admission onwards vide paper read as (2),.

3. Some minor corrections were noted in the Syllabus and the Chairman, Board of Studies in Management(UG) has forwarded the syllabus of BBA Programme after effecting the corrections vide paper read (3) and the Dean, Faculty of Commerce and Management Studies vide paer read (4) has approved the corrections effected in the syllabus of BBA Programme implemented w.e.f 2019 Admn. onwards.

4. The Vice Chancellor has therefore accorded sanction to implement the corrections in the syllabus of BBA programme implemented w.e.f 2019 admission onwards.

5. Orders are issued accordingly. The U.O. read as (2) above stands modified to this extent.

(Corrected Syllabus appended)

Biju George K

Assistant Registrar

To

1.The Principals of Affiliated Colleges. 2.Director, SDE. 3.Controller of Examinations

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Section Officer

### 5.1 Details of Courses of study leading to the award of BBA :

#### Semester - I

Course	Title	Contact Hours	Credits	Internal	External	Total Marks
Common	BBA1A01 English	4	3	15	60	75
Common	BBA 1A02 English	5	3	15	60	75
Common	BBA1A07 Language other than English	5	4	20	80	100
Core	BBA1B01 Management Theory and Practices	6	4	20	80	100
Compl	BBA1C01 Managerial Economics	5	4	20	80	100
<b>Total</b>		<b>25</b>	<b>18</b>	<b>90</b>	<b>360</b>	<b>450</b>

#### Semester - II

Course	Title	Contact Hours	Credits	Internal	External	Total Marks
Common	BBA2A03 English	4	4	20	80	100
Common	BBA2A04 English	5	4	20	80	100
Common	BBA2A08 Language Other than English	5	4	20	80	100
Core	BBA2B02 Financial Accounting	6	4	20	80	100
Core	BBA2B03 Marketing Management	5	4	20	80	100
<b>Total</b>		<b>25</b>	<b>20</b>	<b>100</b>	<b>400</b>	<b>500</b>

#### Semester - III

Course	Title	Contact Hours	Credits	Internal	External	Total Marks
Common	BBA3A11 Basic Numerical Methods	5	4	20	80	100
Common	BBA3A12 Professional Business Skills	4	4	20	80	100
Core	BBA3B04 Corporate Accounting	6	4	20	80	100
Core	BBA3B05 Financial Management	5	4	20	80	100
Compl.	BBA3C02 Business Regulations	5	4	20	80	100
<b>Total</b>		<b>25</b>	<b>20</b>	<b>100</b>	<b>400</b>	<b>500</b>



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**Semester - IV**

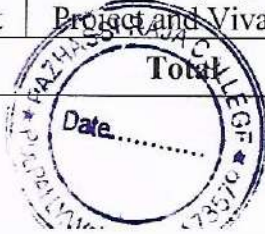
Course	Title	Contact Hours	Credits	Internal	External	Total Marks
Common	BBA4A13 Entrepreneurship Development	5	4	20	80	100
Common	BBA4A14 Banking and Insurance	4	4	20	80	100
Core	BBA4B06 Cost & Management Accounting	6	4	20	80	100
Compl	BBA4C03 Corporate Regulations	5	4	20	80	100
Compl.	BBA4C04 Quantitative Techniques for Business	5	4	20	80	100
<b>Total</b>		<b>25</b>	<b>20</b>	<b>100</b>	<b>400</b>	<b>500</b>

**Semester - V**

Course	Title	Contact Hours	Credits	Internal	External	Total Marks
Core	BBA5B07 Human resources Management	4	4	20	80	100
Core	BBA5B08 Business Research Methods	4	3	15	60	75
Core	BBA5B09 Operations Management	4	4	20	80	100
Core	BBA5B10 Elective 1	5	4	20	80	100
Core	BBA5B11 Elective 2	5	4	20	80	100
Open	BBA5D01 /BBA5D02/ /BBA5D03( for Students from Other Departments)	3	3	15	60	75
<b>Total</b>		<b>25</b>	<b>22</b>	<b>110</b>	<b>440</b>	<b>550</b>

**Semester - VI**

Course	Title	Contact Hours	Credits	Internal	External	Total Marks
Core	BBA6B12 Organisational Behaviour	5	4	20	80	100
Core	BBA6B13 Management Science	5	4	20	80	100
Core	BBA6B14. Project Management	3	2	15	60	75
Core	BBA6B15 Elective 3	5	4	20	80	100
Core	BBA6B16 Elective 4	5	4	20	80	100
Core Project	BBA6B17 (PR) Three Weeks Project and Viva- Voce	2	2	15	60	75
<b>Total</b>		<b>25</b>	<b>20</b>	<b>110</b>	<b>440</b>	<b>550</b>



4  
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UNIVERSITY OF CALICUT

Abstract

General and Academic- Faculty of Journalism- Syllabus of BA Journalism and Mass Communication Programme under CBCSS UG Regulations 2019 with effect from 2019 Admission onwards - Implemented- Orders Issued.

**G & A - IV - B**

U.O.No. 8782/2019/Admn

Dated, Calicut University.P.O, 04.07.2019

*Read:-*1. U.O.No. 4368/2019/Admn Dated 23.03.2019

2. Minutes of the meeting of the Board of Studies in Journalism UG held on 27.05.2019

3. Minutes of the meeting of the Faculty of Journalism held on 18.06.2019 ( item no.8)

ORDER

The Regulations for Choice Based Credit and Semester System for Under Graduate (UG)Curriculum-2019 (CBCSS UG Regulations 2019) for all UG Programmes under CBCSS-Regular and SDE/Private Registration with effect from 2019 Admission has been implemented vide paper read first above.

The meeting of the Board of Studies in Journalism UG held on 27.05.2019 resolved to recommend to approve the syllabus of BA Journalism and Mass Communication in tune with CBCSS UG Regulation w.e.f 2019 Admission onwards, vide paper read second above.

The meeting of the Faculty of Journalism held on 18.06.2019 approved the minutes of the meeting of the Board of Studies in Journalism UG held on 27.05.2019, vide paper read third above.

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

Sanction is therefore accorded for implementing the Scheme and Syllabus of BA Journalism and Mass Communication Programme in accordance with CBCSS UG Regulations 2019, in the University of Calicut 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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**Semester I**

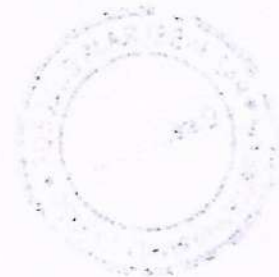
Course	Code	Title	Hrs./Week	Credit
Common Course 1	A01	Common English Course I	1 and 2 total	
Common Course 2	A02	Common English Course II	9	6
Common Course 3	A07(1)	Additional Language Course I	4	4
Core Course I	JOU1 B01	Fundamentals of Mass Communication.	6	5
Complementary I Course 1		Detailed Syllabi and Objectives are to be provided by the concerned Boards	6	4
<b>Total</b>			<b>25</b>	<b>19</b>

**Semester II**

Course	Code	Title	Hrs./Week	Credit
Common Course 4	A03	Common English Course III	1 and 2 total	
Common Course 5	A04	Common English Course IV	9	8
Common Course 6	A08(1)	Additional Language Course II	4	4
Core Course 2	JOU2 B02	Media History	6	4
Complementary II Course 1		Detailed Syllabi and Objectives are to be provided by the concerned Boards	6	4
<b>Total</b>			<b>25</b>	<b>20</b>



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**Semester III**

<b>Course</b>	<b>Code</b>	<b>Title</b>	<b>Hrs./ Week</b>	<b>Credit</b>
Common Course 7	A05	Common English Course V	5	4
Common Course 8	A09	Additional Language Course III	5	4
Core Course 3	JOU3 B03	Reporting for the Print	5	4
Core Course 4	JOU3 B04	Editing for the print	4	4
Complementary II Course 2		Detailed Syllabi and Objectives are to be provided by the concerned Boards	6	4
<b>Total</b>			<b>25</b>	<b>20</b>

**Semester IV**

<b>Course</b>	<b>Code</b>	<b>Title</b>	<b>Hrs/ Week</b>	<b>Credit</b>
Common Course 9	A06	Common English Course VI	5	4
Common Course 10	A10	Additional Language Course IV	5	4
Core Course 5	JOU4 B05	Design and Pagination	4	4
Core Course 6	JOU4 B06	Radio Production	5	4
Complementary I Course 2		Detailed Syllabi and Objectives are to be provided by the concerned Boards	6	4
<b>Total</b>			<b>25</b>	<b>20</b>



*5/12/20*  
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**Semester V**

Course	Code	Title	Hrs/Week	Credit
Core Course 7	JOU5 B07	Mass Communication theories	5	4
Core Course 8	JOU5 B08	Television Production	5	4
Core Course 09	JOU5 B09	Public Relations and Corporate Communication	4	4
Core Course 10	JOU5 B10	Advertising	4	4
Core Course 11	JOU5 B11	Photo Journalism	4	4
Open Course I	Students can choose courses offered by other departments		3	3
<b>Total</b>			<b>25</b>	<b>23</b>

*The BOS in Journalism offers following courses as open courses. The Students from other disciplines can choose any one of these:*

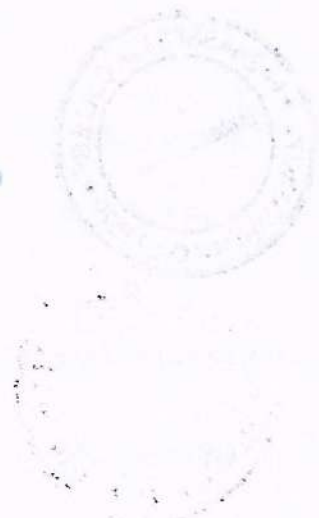
*JOU5D01 Newspaper Journalism*

*JOU5D02 Broadcast Journalism*

*JOU5D03 Development Communication*



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### Semester VI

Course	Code	Title	Hrs./ Week	Credit
Course 12	JOU6 B12	Media Laws and Ethics	5	4
Core Course 13	JOU6 B13	Online Journalism	5	4
Core Course 14	JOU6 B14	Introduction to Cinema	5	4
Core Course 15 <i>choose</i>	<i>Electives: The department should offer electives for the students to choose</i>			
	JOU6 B15	Economic and Business Reporting	5	4
	JOU6 B16	Magazine Journalism	5	4
Core Course 16	JOU6B17	Project	5	2
<b>Total</b>			<b>25</b>	<b>18</b>
<b>Total Credits</b>				<b>120</b>



*5/5/12*  
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UNIVERSITY OF CALICUT

Abstract

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

G & A - IV - J

U.O.No. 9836/2019/Admn

Dated, Calicut University.P.O, 25.07.2019

- Read:-1. U.O.No. 4368/2019/Admn dated 23.03.2019  
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  
4. U.O.No. 8860/2019/Admn dated 05.07.2019

ORDER

The Regulations for Choice Based Credit and Semester System for Under Graduate (UG) Curriculum-2019 (CBCSS UG Regulations 2019) for all UG Programmes under CBCSS-Regular and SDE/Private Registration w.e.f. 2019 admission has been implemented vide paper read first above .

The meeting of Board of Studies in Microbiology held on 08/04/2019 has approved the Syllabus of B Sc Microbiology Programme in tune with the new CBCSS UG Regulations 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 B Sc Microbiology Programme in accordance with new CBCSS UG Regulations 2019, in the University with effect from 2019 Admission onwards, subject to ratification by the Academic Council.

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

Orders are issued accordingly. (Syllabus appended). The U.O read as (4) above earlier issued in this regard stands cancelled.

Biju George K

Assistant Registrar

To

The Principals of all Affiliated Colleges

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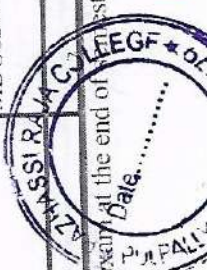


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Semester	Course nature	Course code	Course title	Hours/week	Credits	Total credits	Scheme of Evaluation (in %)		Total
							Internal (20%)	External (80%)	
	General course III	A13	General Course III (LRP pattern)	4	4	26	20	80	100
	General course IV	A14	General Course IV (LRP pattern)	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		20	80	100
	1st Complementary	--4C07		3	2		15	60	75
	1st Complementary - Practical	--4C08(P)		2	4		20	80	100
	2 <sup>nd</sup> Complementary	MBG4C09		3	2		15	60	75
	2 <sup>nd</sup> Complementary- Practicals	MBG4C10(P)		2	2		15	60	75
	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	3		15	60	75
	Core course practical II	MBG6B12(P)	Microbiology Practical II	4	*				0
	Project work	MBG6B16 (Pr)	Project Work	3	*				0
	Open course-for other departments	MBG5D01	Open course- for other departments	2	3		15	60	75
		MBG5D02	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		20	80	100
	Core course practical III	MBG6B13 (P)	Microbiology Practical III	4	3		15	60	75
	Core course practical IV	MBG6B14 (P)	Microbiology Practical IV	3	3		15	60	75
	Elective course	MBG6B15 (E1)	Cell and Tissue culture	4	2		15	60	75
		MBG6B15 (E2)	Molecular Biology						
		MBG6B15 (E3)	Bioinstrumentation						
	Project work	MBG6B16 (Pr)	Project work (Examination along with the core practical examination)	2	2		10	40	50
					120	120	640	2560	3200

\*Credits after examination at the end of semester IV/VI. Ability enhancement courses as per the regulations is mandatory for the completion of the programme



### Scheme of Evaluation for B.Sc. Microbiology CBCSS (2019 Admission Onwards)

Semester	Course nature	Course code	Course title	Hours/ week	Credits	Total credits	Scheme of Evaluation (in %)		Total
							Internal (20%)	External (80%)	
I	Common English course I	A01		4	4	18	20	80	100
	Common English course II	A02		5	3		15	60	75
	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		15	60	75
	1st Complementary	--1C01		2	2		15	60	75
	1st Complementary - Practical	--4C08(P)		2					0
	2nd Complementary	MBG1C02	Biostatistics I	4	3		15	60	75
II	Common English course III	A03		4	4	20	20	80	100
	Common English course IV	A04		5	3		15	60	75
	Additional language course II	A09(3)	Literature in languages other than english for B.Sc. Alternate pattern	5	4		20	80	100
	Core course II	MBG2B02	Microbial Physiology and Taxonomy	3	3		15	60	75
	1st Complementary	--2C03		2	2		15	60	75
	1st Complementary - Practical	--4C08(P)		2	*				0
	2 <sup>nd</sup> Complementary	MBG2C04	Biostatistics II	4	3		15	60	75
III	General course I	A11	General Course I (LRP pattern)	4	4	16	20	80	100
	General course II	A12	General Course II (LRP pattern)	4	4		20	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	--3C05		3	2		15	60	75
	1st Complementary - Practical	--4C08(P)		2	*				0
	2 <sup>nd</sup> Complementary	MBG3C06		3	2		15	60	75
IV	2 <sup>nd</sup> Complementary-Practicals	MBG4C10(P)		2	*				0





UNIVERSITY OF CALICUT

Abstract

General and Academic - Faculty of Science - Syllabus of BSc Biochemistry Programme for affiliated colleges under CBCSS UG Regulations 2019, with effect from 2020 Admission - Approved- Implemented -Orders Issued.

**G & A - IV - J**

U.O.No. 10202/2020/Admn

Dated, Calicut University.P.O, 03.11.2020

*Read:-*1. U.O. No. 18084/2019/Admn Dated, 28.12.2019

2. Item No.1 in the minutes of the meeting of the Board of Studies in Biochemistry (Single Board) held on 16.03.2020
3. Remarks of Dean, Faculty of Science dated 06.08.2020
4. Item No.1.9 in the minutes of the meeting of the LXXXI Academic Council held on 01.10.2020.

ORDER

1. The Regulations for Choice Based Credit and Semester System for Under Graduate (UG) Curriculum- 2019 (CBCSS UG Regulations 2019) for all UG Programmes under CBCSS-Regular and SDE/Private Registration w.e.f. 2019 admission has been implemented, vide ref. (1) above.
2. The meeting of Board of Studies in Biochemistry held on 16.03.2020 has approved the Syllabus of BSc Biochemistry Programme in tune with the new CBCSS UG Regulations with effect from 2020 Admission onwards, vide ref. (2) above.
3. The Dean, Faculty of Science vide ref. (3) above, has approved the syllabus of BSc Biochemistry Programme for affiliated colleges under CBCSS UG Regulations 2019, and the same has been approved by the by the Academic Council, vide ref. (4) above.
4. The scheme & syllabus of B.Sc Biochemistry Programme for affiliated colleges under CBCSS UG Regulations 2019 with effect from 2020 Admission onwards is, therefore, implemented.
5. Orders are issued accordingly. (Syllabus appended)

Arsad M

Assistant Registrar

To

The Principals of all Affiliated Colleges

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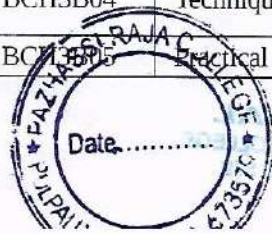


  
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**SCHEME FOR B.Sc. BIOCHEMISTRY DEGREE (LRP/ ALTERNATIVE PATTERN)  
UNDER CHOICE BASED CREDIT SEMESTER SYSTEM UG (CBCSS-UG)**

Sem	Course type	Code	Name of Paper	Hours /week	Credits
First	Common	A01	Common English Course 1	4	3
	Common	A02	Common English Course II	5	4
	Additional Language	A07	Additional Language Course I	5	4
	Complementary		Food Science OR Microbiology- Complementary I + Practical I	4	2
	Complementary		General Chemistry	4	2
	Core	BCH1B01	Introduction to Biochemistry & Cell Biology	3	3
Second	Common		Common English Course III	4	3
	Common		Common English Course IV	5	4
	Additional Language	A08	Additional Language Course II	5	4
	Complementary		Fundamentals of Nutrition OR Microbiology- Complementary II + Practical II	4	2
	Complementary		Physical Chemistry	4	2
	Core	BCH2B02	Biomolecules I	3	3
Third	Complementary		Nutrition through Lifecycle OR Microbiology- Complementary III + Practical III	5	2
	Complementary		Organic Chemistry	5	2
	General	A11	General Course I	4	4
	General	A12	General Course II	4	4
	Core	BCH3B03	Biomolecules II	3	3
	Core	BCH3B04	Techniques in Biochemistry	2	2
	Core	BCH3B05	Practical I (core)	2	2
	Core	BCH3B06	Practical II (core)	2	2



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Fourth	Complementary		Dietetics <b>OR</b> Microbiology- Complementary IV + Practical IV	3+2	2 3
	Complementary		Physical and Applied Chemistry	3	2
	Complementary		Chemistry Practical	2	2
	General	A13	General Course III	4	4
	General	A14	General Course IV	4	4
	Core	BCH4B06	Enzymology	3	3
	Core	BCH4B07	Intermediary Metabolism I	2	2
	Core	BCH3B05& BCH4B08	Practical I (Carbohydrates, Lipids, Amino Acids, Proteins, Nucleic Acids, and Techniques)	2	4*
Fifth	Core	BCH5B09	Plant Biochemistry	2	2
	Core	BCH5B10	Human Physiology	3	3
	Core	BCH5B11	Immunology & Microbiology	4	4
	Core	BCH5B12	Intermediary Metabolism II	4	4
	Core		Open course	2	3
	Core	BCH5B13	Practical II (Clinical Biochemistry and Enzymology)	10	-*
Sixth	Core	BCH6B14	Intermediary Metabolism III	3	3
	Core	BCH6B15	Molecular Biology and genetic engineering	4	4
	Core	BCH6B16	Clinical & Nutritional Aspects of Biochemistry	4	4
	Core	BCH5B13&B CH6B17	Practical II (Clinical and Enzymology)	-	4
	Core	BCH6B18	Practical III (Molecular Biology, Immunology and Nutritional Biochemistry)	10	5
	Core	BCH6B19	Project work	4	2

\*No exams for practicals in the odd semester

**SCHEME FOR B.SC. BIOCHEMISTRY DEGREE (LRP/ ALTERNATIVE  
PATTERN) UNDER CHOICE BASED CREDIT SEMESTER SYSTEM, UG  
(CBCSS-UG) CORE COURSES**

Sem	Code	Name of Paper	Hours/ week	Credits	Marks		
					Internal	External	Total



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UNIVERSITY OF CALICUT

Abstract

General and Academic- Faculty of Humanities- Correction in the Scheme & Syllabus of MA Economics Programme under CCSS PG Regulations 2019 in the Teaching Department of the University with effect from 2019 Admission onwards - implemented- Orders Issued

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G & A - IV - B

U.O.No. 6473/2020/Admn

Dated, Calicut University.P.O, 09.07.2020

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- Read:-*1. UO. No. 4500/2019/Admn Dated: 26.03.2019  
2. UO. No. 9457/2019/Admn Dated: 18.07.2019  
3 Clarification sought in file No.106131/PG-IV-SO/19/PB dated 06.10.2019.  
4. Item No.1.d of the minutes of the meeting of CCSS Academic Committee held on 19.02.2020.  
5. Item No. 1 of the Minutes of the meeting of the Board of Studies in Economics-PG held on 22.06.2020  
6. Remarks of Dean, Humanities vide his email dated 02.07.2020.

ORDER

1. The Regulations for Choice Based Credit and Semester System for Post Graduate (PG) Curriculum-2019 (CCSS PG Regulations 2019), for all PG Programmes in University Teaching Departments with effect from 2019 Admission has been implemented, vide paper read (1) above.
2. The Scheme and Syllabus of MA Economics Programme in accordance with the new CCSS PG Regulations 2019 had been implemented in the University with effect from 2019 Admission, vide paper read (2) above.
3. As per this Syllabus, out of the 8 credits assigned to Dissertation/Viva voce, 4-credits are for valuation of dissertation and 4 credits are for viva voce which is separated as 2 credits for Viva Voce based on the Dissertation and 2 credits for Viva Voce based on the 16 courses taught in the four semesters (general viva). As per clause 10.3 External Evaluation, regarding Project/Dissertation, it is specified that out of 100% weightage, 80% weightage should be distributed for valuation part and remaining 20% weightage for Viva-voce based on project work/dissertation. Since the regulation is silent about comprehensive General viva voce, PG Branch has sought clarification, vide paper read (3) above, on whether viva is to be conducted separately and ,if yes, the maximum marks out of which it is to be conducted.
4. The CCSS Academic Committee held on 19.02.2020, vide paper read (4) above, has clarified that there is no General Viva-Voce for PG Programme as per CCSS PG Regulation 2019.

5. The online meeting of Board of Studies in Economics (PG) held on 22.06.2020 considered the clarification offered by CCSS Academic Committee that there is no general viva-voce for the PG Programmes as per the CCSS PG regulation and resolved to correct the Scheme & Syllabus of MA Economics Programme as "**Credit of 8 is divided into 4 for dissertation and 4 for Viva Voce**", vide paper read (5) above
6. The Dean, Faculty of Humanities has approved the item No.1 of the minutes of the meeting of the Board of Studies in Economics (PG) held on 22.06.2020 vide paper read as (6) above.
7. Under these circumstances, considering the urgency, the Vice Chancellor has accorded sanction, in the even file on 02.07.2020, to implement the corrected Scheme of MA Economics Programme in accordance with the new CCSS PG Regulations 2019, in the University with effect from 2019 Admission onwards, subject to ratification by the Academic Council.
8. The Scheme & Syllabus of MA Economics Programme in the Teaching Department of the University in accordance with CCSS PG Regulations 2019, is therefore implemented with effect from 2019 Admission onwards after effecting corrections with respect to Dissertation and Viva voce.
9. Orders are issued accordingly. ( Corrected Scheme & Syllabus is appended )
10. JO read (2) above stands modified to this extent.

Arsad M

Assistant Registrar

To

The Head, Department of History

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*5/19/2*

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**PULPALLY 673 579**

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**M.A. ECONOMICS (CCSS) 2019 ADMISSION SCHEME OF THE PROGRAMME**

Semester	Name and Code of the Course	Credit	Hours		Total hours	Total Marks	
			Lecture hours	Seminar hours		External*	Internal*
I	Core Course I - ECO1C01 <b>Microeconomic Theory and Policy-I</b>	4	70	20	90	80	20
	Core Course II - ECO1C02 <b>Macroeconomic Theory and Policy</b>	4	70	20	90	80	20
	Core Course III -ECO1C03 <b>Mathematics for Economics</b>	4	70	20	90	80	20
	Core Course IV -ECO1C04 <b>Indian Economy -Problems and Policies</b>	4	70	20	90	80	20
	Audit Course I@ - ECO 1A 01 <b>Ability Enhancement Course</b>	2	Mandatory Course but Not counted for CGPA				
II	Core Course V- ECO2C05 <b>Microeconomic Theory and Policy-II</b>	4	70	20	90	80	20
	Core Course VI - ECO2C06 <b>Developments in Modern Macroeconomics</b>	4	70	20	90	80	20
	Core Course VII- ECO2C07 <b>Statistics for Economics</b>	4	70	20	90	80	20
	Core Course VIII-ECO2C08 <b>International Trade -Theory and Policy</b>	4	70	20	90	80	20
	Core Course IX -ECO2C09 <b>Public Finance and Policy</b>	4	70	20	90	80	20
	Audit Course II@ - ECO 2A 02 <b>Professional Competency Course</b>	2	Mandatory Course but Not counted for CGPA				
III	Core Course X - ECO3C10 <b>Basic Econometrics</b>	4	70	20	90	80	20
	Core Course XI- ECO3C11 <b>Political Economy of Development</b>	4	70	20	90	80	20
	Core Course XII -ECO3C12 <b>Economics of Growth and Development</b>	4	70	20	90	80	20
	<b>Elective course I*</b>	4	70	20	90	80	20
	<b>Elective course II*</b>	4	70	20	90	80	20
IV	<b>Elective course III*</b>	4	70	20	90	80	20
	<b>Elective course IV*</b>	4	70	20	90	80	20
	<b>Dissertations</b>	4					
	<b>Viva Voce</b>	4					
	<b>Total</b>	72					

@ Details given below along with the Semester-wise Syllabus

\* List of Elective courses appended.



## List of Elective Courses for Semester III

1. ECO3 E01 Agricultural Economics
2. ECO3 E02 Research Methodology and Computer Applications
3. ECO3 E03 Environmental Economics

## List of Elective Courses for Semester IV

1. ECO4 E04 Applied Econometrics
2. ECO4 E05 Population and Development
3. ECO4 E06 Industrial Economics
4. ECO4 E07 Indian Financial System

### Components of Internal Valuation (Total 20 Marks)

Sl.No.	Component	Marks
1	Seminar	5
2	Viva Voce	4
3	Attendance	3
4	Test Paper	8
<b>Total</b>		<b>20</b>

### Components of External Evaluation (Total 80 Marks)

#### Part A (Objective type Questions)

10 multiple choice questions  
(10 questions x 1 mark each = 10 marks)

#### Part B (very short answer questions)

Answer in one or two sentences each  
Answer any 5 out of 8 questions  
(5 questions x 2 marks each = 10 marks)

#### Part C (Short Answer questions)

Answer any 8 out of 12 questions  
(8 questions x 5 marks each = 40 marks)

#### Part D (Essay questions)

Answer any two out of 4 questions  
(2 questions x 10 marks each = 20 marks)

**Total = 80 Marks**



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UNIVERSITY OF CALICUT

Abstract

General and Academic- Faculty of Journalism- Syllabus of MA Journalism and Mass Communication Programme in the Teaching Department of the University under CCSS PG Regulations 2019 with effect from 2019 Admission onwards - Implemented- Orders Issued

G & A - IV - B

U.O.No. 8950/2019/Admn

Dated, Calicut University.P.O, 06.07.2019

- Read:-*1. U.O.No. 4500/2019/Admn Dated 26.03.2019  
2. Minutes of the meeting of the Board of Studies in Journalism PG held on 14.05.2019( item no.1)  
3. Minutes of the meeting of the Faculty of Journalism PG held on 18.06.2019 ( item no.2)

ORDER

The Regulations for Choice Based Credit and Semester System for Post Graduate (PG)Curriculum-2019 (CCSS PG Regulations 2019), for all Teaching Departments/ Schools of the University of Calicut with effect from 2019 Admission has been implemented vide paper read first above.

The meeting of the Board of Studies in Journalism PG held on 14.05.2019 has resolved to approve the syllabus of MA Journalism and Mass Communication Programme revised in tune with CCSS PG Regulation with effect from 2019 Admission onwards, vide paper read second above.

The meeting of the Faculty of Journalism PG held on 18.06.2019 has approved the minutes of the meeting of the Board of Studies in Journalism PG held on 14.05.2019, vide paper read third above.

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

The Scheme and Syllabus of MA Journalism and Mass Communication Programme in the Teaching Department of the University in accordance with CCSS PG Regulations 2019, is therefore implemented with effect from 2019 Admission onwards.

Orders are issued accordingly. ( Syllabus appended )

Biju George K

Assistant Registrar

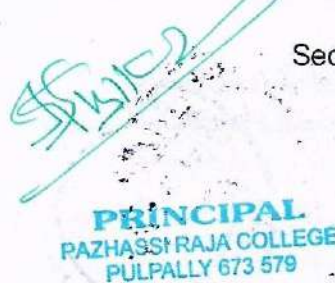
To

The HoD, Dept. of Journalism and Mass Communication.

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# PROGRAMME STRUCTURE

## MA JOURNALISM AND MASS COMMUNICATION (CCSS)

Total Credits Required : 80

### SEMESTER I

Minimum Credits Required: 20

Course Code	Title	Credits
<b>Core Courses</b>		
MCJ 1C 01	Introduction to Mass Communication	4
MCJ 1C 02	Reporting News	4
MCJ 1C 03	Editing News	4
MCJ 1C 04	Media History	3
MCJ 1C 05	Communication Laws and Ethics	3
<b>Core Course- Practical</b>		
MCJ 1C 06	Graphic Design and Print Media Production (Practical Course)	2
<b>Total Credits</b>		<b>20</b>
<b>Ability Enhancement Course (AEC)</b>		
MCJ 1A 01	Indian Politics (Credits are not counted)	2

### SEMESTER II

Minimum Credits Required: 20

<b>Core Courses</b>		
MCJ 2C 01	Media, Culture and Society	4
MCJ 2C 02	Advertising and Marketing Communication	4
MCJ 2C 03	Radio and Television Production	4
MCJ 2C 04	Development Communication	3
MCJ 2C 05	Global Communication	3
<b>Core Course- Practical</b>		
MCJ 2C 06	Photography and Videography (Practical Course)	2
<b>Total Credits</b>		<b>20</b>
<b>Professional Competency Course (PCC)</b>		
MCJ 2A 01	Audio Visual Editing (Credits are not counted)	2



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### SEMESTER III

Minimum Credits Required: 20

#### Core Courses

MCJ 3C 01	Communication Research	4
MCJ 3C 02	Public Relations and Corporate Communication	4
MCJ 3C 03	Online Journalism	4

#### Elective Courses *(Two elective courses are to be chosen- Total 8 credits)*

MCJ 3E 01	Documentary Film Production	4
MCJ 3E 02	Technical Writing & Documentation	4
MCJ 3E 03	Media Management and Entrepreneurship	4

**Total Credits** 20

### SEMESTER IV

Minimum Credits Required: 20

#### Core Course Project/Viva

MCJ 4C 01	Dissertation and Viva	8
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#### Core Course

MCJ 4C 02	Film Studies	4
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#### Elective Courses *(Two elective courses are to be chosen- Total 8 credits)*

MCJ 4E 01	Data Journalism	4
MCJ 4E 02	Photojournalism	4
MCJ 4E 03	Political Economy of Indian Media	4

**Total Credits** 20



  
**PRINCIPAL**  
PAZHASSI RAJA COLLEGE  
PULPALLY, WAYANAD - 673570



UNIVERSITY OF CALICUT

Abstract

General and Academic- Faculty of Humanities- Syllabus of Master of Travel & Tourism Management (MTTM) Programme for affiliated Colleges under CBCSS PG Regulations 2019 with effect from 2019 Admission onwards - Implemented- Orders Issued

G & A - IV - B

U.O.No. 9073/2019/Admn

Dated, Calicut University.P.O, 09.07.2019

- Read:-1.UO. No. 4487/2019/Admn Dated: 26.03.2019  
2.Minutes of the meeting of the Board of Studies in Travel & Tourism held on 21.06.2019 (Item no.2)  
3. Letter from the Dean , Faculty of Humanities Dated : 04.07.2019

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 CBCSS for Affiliated Colleges and SDE/PrivateRegistration with effect from 2019 Admission onwards has been implemented vide paper read first above.

The meeting of the Board of Studies in Travel & Tourism held on 21.06.2019 has approved the Scheme and Syllabus of Master of Travel and Tourism Management (MTTM ) Programme restructured in tune with new CBCSS PG Regulation with effect from 2019 Admission onwards, vide paper read second above.

The Dean, Faculty of Humanities has approved the minutes of the meeting of the Board of Studies in Travel & Tourism held on 21.06.2019, vide paper read third above.

Under these circumstances, considering the urgency, the Vice Chancellor has accorded sanction to implement the Scheme and Syllabus of Master of Travel and Tourism Management (MTTM ) 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 Master of Travel and Tourism Management (MTTM ) Programme in accordance with CBCSS PG Regulations 2019 for affiliated Colleges 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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time in accordance with the University exam stipulations. There shall be no improvement chance for Comprehensive viva-voce.

## 17. REPEAL

The Regulations now in force in so far as they are applicable to programmes offered by the University and to the extent, they are inconsistent with these regulations are hereby repealed. In the case of any inconsistency between the existing regulations and these regulations relating to the Credit Semester System in their application to any course offered in a College, the latter shall prevail.

Proposed MTTM Program structure under (CBCSS' 2019)

MTTM Semester I							
Course	Course Code	Title of Course	Hours/Week	Credits	Maximum Marks		
					CA	ESE	Total
Core Course	MTM1C01	Principles and Practices of Tourism Management	05	04	0.8	3.2	4
Core Course	MTM1C02	Tourism Products and Resources	05	04	0.8	3.2	4
Core Course	MTM1C03	Events Planning and Promotion	05	04	0.8	3.2	4
Core Course	MTM1C04	Travel and Transport Operations and Management	05	04	0.8	3.2	4
Core Course	MTM1C05	Management Skills	05	04	0.8	3.2	4
Total			25	20	4.0	16	20
Audit Courses MTM1A01							
MTM1A01		Case Study Preparation			04	0.8	3.2
Credit of this course not counted for SGPA / CGPA)							
Cumulative Total				24	4.8	19.2	24
MTTM Semester II							
Course	Course Code	Title of Course	Hours Per Week	Credits	Maximum Marks		
					CA	ESE	Total
Core Course	MTM2C06	Marketing for Tourism and Hospitality	05	04	0.8	3.2	4



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CHOICE BASED CREDIT SEMESTER SYSTEM-PG, (CBCSS PG – 2019)

Core Course	MTM2C07	Hospitality Administration	05	04	0.8	3.2	4
Core Course	MTM2C08	Aviation Management	05	04	0.8	3.2	4
Core Course	MTM2C09	Tourism Planning and Destination Development	05	04	0.8	3.2	4
Core Course	MTM2C10	Tourism Information Technology	05	04	0.8	3.2	4
Total			25	20	4.0	16	20
Audit courses MTM2A02 Air ticketing				04	0.8	3.2	
Credit of this course not counted for SGPA / CGPA)							
Cumulative Total of all Semesters				24	4.8	19.2	24

*On the Job Training Program in a Tourism/Travel/Accommodation/MICE organization for a period of minimum one month is a compulsory component of the second semester.*

**MTTM Semester III**

Course	Course Code	Title of Course	Hours Per Week	Credits	Maximum Marks		
					CA	ESE	Total
Core Course	MTM3C11	HRM and Organizational Behaviour	05	04	0.8	3.2	4
Core Course	MTM3C12	Research Methodology in Tourism	05	04	0.8	3.2	4
Core Course	MTM3C13	Travel and Tour Operation Management	05	04	0.8	3.2	4
Elective	MTM3E01	Business Communication and Soft Skills	05	04	0.8	3.2	4



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CHOICE BASED CREDIT SEMESTER SYSTEM-PG, (CBCSS PG – 2019)

Any 2	MTM3E02	Air Ticketing and GDS Applications	05	04	0.8	3.2		4	
	MTM3E03	Tourism Legislation and Legal frame work							
	MTM3E04	Hotel Front Office Operations							
Total			25	20	4.0	16		20	
Study Tour for a minimum duration of two weeks shall be a mandatory part of the III semester									
<b>MTTM Semester IV</b>									
Course	Course Code	Title of Course	Hours Per Week	Credits	Maximum Marks			Total	
					CA	ESE	Viva		
Core Course	MTM4C14	International Tourism Destinations	05	04	0.8	3.2	--	4	
Core Course	MTM4P01	Dissertation and Viva	05	04	--	3.2	0.8	4	
Core Course	MTM4V01	Comprehensive Viva	05	04	--	--	4.0	4	
Core Course	MTM4C15	Tourism Entrepreneurship Development	05	04	0.8	3.2	--	4	
Elective Any 1	MTM4E05	Airline Cargo and Logistics Management	05	04	0.8	3.2	--	4	
	MTM4E06	Environment, Ecology and Tourism							
	MTM4E07	Housekeeping Operations							
Total			25	20	2.4	12.8	4.8	20	
<b>Grand Total</b>			<b>100</b>	<b>80</b>	<b>14.4</b>	<b>60.8</b>	<b>4.8</b>	<b>80</b>	
Grand Total including Audit courses (This is not considered for CGPA/SGPA calculation)					88	16	67.2	4.8	88
CA- Continuous Assessment, ESE- End Semester Examination									



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UNIVERSITY OF CALICUT

Abstract

General and Academic - Faculty of Science - Syllabus of MSc Biochemistry Programme Programme under CCSS PG Regulations 2019 (University Teaching Departments) with effect from 2019 Admission onwards -- Implemented- Orders- Orders Issued

G & A - IV - J

U.O.No. 9066/2019/Admn

Dated, Calicut University.P.O, 09.07.2019

*Read:-*1. U.O No.4500/2019/Admn dated 26.03.2019

2. Item No. 1 in the minutes of the meeting of the Board of Studies in Biochemistry held on 08.05.2019

3. Item No.1.23 in the minutes of the meeting of Faculty of Science held on 27.06.2019

ORDER

The Regulations under Choice-based Credit Semester System for Post Graduate Programmes (CCSS-PG -2019) of all Teaching Departments / Schools of the University of Calicut w.e.f 2019 admissions has been implemented in the University of Calicut vide paper read first above.

The meeting of Board of Studies in Biochemistry held on 08.05.2019 has approved the Syllabus of MSc Biochemistry Programme for Teaching Departments/Schools of the University of Calicut in tune with the new CCSS PG Regulations 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 Biochemistry held on 08.05.2019, 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 Biochemistry Programme for Teaching Departments/Schools of the University of Calicut in accordance with new CCSS PG Regulations 2019, in the University with effect from 2019 Admission onwards, subject to ratification by the Academic Council.

The Scheme and Syllabus of MSc Biochemistry Programme in accordance with CCSS PG Regulations 2019, for Teaching Departments/Schools of the University of Calicut is therefore implemented in the University with effect from 2019 Admission onwards.

Orders are issued accordingly. (Syllabus appended).

Ajitha P.P

Joint Registrar

To

The HoD, Department of Life Sciences

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No	Code	Paper	Credit	Marks		
				Int	Ext	Total
<b>Semester I</b>						
1	BCH 1C01	Analytical Biochemistry	4	20	80	100
2	BCH 1C02	Biological Macromolecules and Structural Biology	4	20	80	100
3	BCH 1C03	Microbiology and Immunochemistry	4	20	80	100
4	BCH 1C04	Practical I	2	20	80	100
5	BCH 1C05	Practical II	2	20	80	100
<b>Semester II</b>						
6	BCH 2C01	Enzymes : Kinetics, Mechanisms and Regulations	4	20	80	100
7	BCH 2C02	Cell Biology and cell Signaling	4	20	80	100
8	BCH 2C03	Biostatistics and Bioinformatics	4	20	80	100
9	BCH 2C04	Practical III	2	20	80	100
10	BCH 2C05	Practical IV	2	20	80	100
11	BCH 2C06	Practical V	2	20	80	100
<b>Semester III</b>						
12	BCH 3C01	Metabolism and regulation	4	20	80	100
13	BCH 3C02	Physiology and Developmental biology	4	20	80	100
14	BCH 3C03	Molecular Biology and Genetics	4	20	80	100
15	BCH 3C04	Practical VI	2	20	80	100
<b>(Any two of the following courses)</b>						
16	BCH 3E01	Neurobiochemistry	4	20	80	100
17	BCH 3E02	Cancer Biology	4	20	80	100
18	BCH 3E03	Plant secondary metabolites	4	20	80	100
19	BCH 3E04	Nutrition and nutrigenomics	4	20	80	100
<b>Semester IV</b>						
<b>(Any two of the following courses)</b>						
20	BCH 4E01	Nanobiology and Applications	4	20	80	100
21	BCH 4E02	Biochemical and environmental toxicology	4	20	80	100
22	BCH 4E03	Industrial enzymes	4	20	80	100
23	BCH 4E04	Clinical and diagnostic biochemistry	4	20	80	100
24	BCH 4C05	Project work / Dissertation and Viva voce	8	20	80	100
		<b>Total</b>	<b>72</b>			<b>2000</b>



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UNIVERSITY OF CALICUT

Abstract

General & Academic - CBCSS PG Regulations 2019 - Scheme and Syllabus of M.Sc Microbiology programme w.e.f 2020 Admission onwards -Incorporating Outcome Based Education - Implemented - Subject to ratification of Academic Council - Orders Issued.

G & A - IV - J

U.O.No. 5710/2021/Admn

Dated, Calicut University.P.O, 29.05.2021

- Read:-1) U.O. No. 8861/2019/Admn, Dated 05.07.2019.  
2) U.O. No.15614/2019/Admn, Dated 05.11.2019.  
3) The email from the Chairperson, Board of Studies, Dated 25.05.2021.  
4) Remarks of the Dean, Faculty of Science, Dated 26.05.2021.  
5) Orders of the Vice Chancellor in the file of even no, Dated 28.05.2021.

ORDER

1. The scheme and syllabus of M.Sc Microbiology Programme under CBCSS PG Regulations 2019 in the affiliated Colleges of the University, w.e.f 2019 admission onwards has been implemented, vide paper read (1) above and same has been modified, vide paper read (2) above.
2. The Chairman, Board of Studies in Microbiology, vide paper read (3) above, has forwarded the Scheme and Syllabus of M.Sc Microbiology Programme , incorporating Outcome Based Education(OBE) in the existing syllabus in accordance with CBCSS PG Regulations 2019,for affiliated colleges of the University w.e.f 2020 admission after circulating among the members of the board , as per Chapter 3(34) of Calicut University First Statute, 1976.
3. The scheme and syllabus of M.Sc Microbiology Programme, incorporating Outcome Based Education(OBE), has been approved by the Dean, Faculty of Science, vide paper read (4) above and by the Vice Chancellor, subject to ratification by the Academic Council, vide paper read (5) above.
4. The Scheme and syllabus of M.Sc Microbiology programme (CBCSS) incorporating Outcome Based Education (OBE) in the existing syllabus, in tune with CBCSS PG Regulations 2019, is therefore implemented with effect from 2020 Admission onwards under affiliated colleges of the University, subject to ratification by the Academic Council.
5. Orders are issued accordingly.
6. U.O. No.15614/2019/Admn dated, 05.11.2019 stands modified to this extent.( Modified syllabus appended )

Arsad M

Assistant Registrar

To

The Principals of all Affiliated Colleges  
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**Detailed Scheme for the M. Sc. Microbiology (CBCSS) course 2020**

	Course	Contact Hours/Week	Credit	Exam Duration	Weightage	
					Ext	Int
Semester I	1. MBG1C01, General Biochemistry and Microbial Metabolism	4	4	3 Hours	4	1
	2. MBG1C02, Biophysics and Instrumentation	3	3	3 Hours	4	1
	3. MBG1C03, Environmental and Sanitation Microbiology	3	3	3 Hours	4	1
	4. MBG1C04, Agricultural Microbiology and Plant Pathology	3	2	3 Hours	4	1
	5. MBG1L01, Practical I	6	4	1 day x 5 Hours	4	1
	6. MBG1L02, Practical II	6	4	2 days x 5 hours	4	1
	<b>Total</b>	<b>25</b>	<b>20</b>			
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
		<b>Total</b>	<b>25</b>	<b>20</b>		
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	1
	15. MBG3E02, Cell Biology	4	4	3 Hours		1
	16. MBG3E03, Microbial Taxonomy					1
	17. MBG3L04, Practical IV	6	4	2 days x 5 hours <sup>1</sup>	4	1
18. MBG3L05, Practical V	6	4	2 days x 5 hours <sup>2</sup>	4	1	
	<b>Total</b>	<b>25</b>	<b>20</b>			
Semester IV	19. MBG4C11, Biostatistics and Bioinformatics	4	4	3 Hours	4	1
	20. MBG4E04, Microbial Biotechnology				4	1
	21. MBG4E05, Genetic engineering	4	4	3 Hours		1
	22. MBG4E06, Biosafety, Bioethics and IPR					1
	23. MBG4I 06, Practical VI	6	4	1 day x 5 Hours	4	1
	24. MBG4P, Dissertation	11	8	1 day x 5 Hours	4	1
	<b>Total</b>	<b>25</b>	<b>20</b>			
	<b>Grand Total</b>		<b>80</b>			
	Audit Course I: Ability Enhancement Course (AEC)	No workload	4			
	Audit Course II (PCC): Professional Competency Course (PCC)		4			

*Handwritten signature*



UNIVERSITY OF CALICUT

Abstract

General and Academic - Faculty of Humanities- Scheme and Syllabus of BA Economics Programme -Incorporating Outcome Based Education- Implemented w.e.f 2020 Admission onwards- Subject to ratification by Academic Council - Orders Issued

G & A - IV - B

U.O.No. 5697/2021/Admn

Dated, Calicut University.P.O, 28.05.2021

- Read:-1. U.O.No. 16821/2019/Admn dated 30.11.2019  
2. Minutes of the meeting of the BoS in Economics UG held on 20.05.2021(Item No.1)  
3. Remarks of the Dean Faculty of Humanities, dated 26.05.2021.  
4. Orders of the Vice Chancellor dated 26-05-2021

ORDER

1. The scheme and syllabus of BA Economics Programme under CBCSS UG Regulations 2019, w.e.f 2019 admission onwards has been implemented in the University, vide paper read (1) above.
2. The meeting of the Board of Studies in Economics UG, held on 20.05.2021, vide paper read (2) above, has approved the Outcome Based Education (OBE) syllabus of BA Economics Programme, under CBCSS UG Regulations 2019 without changing the content, w.e.f 2020 admission onwards.
3. The Dean Faculty of Humanities, vide paper read (3) above, has approved the above resolution of the Board of Studies in Economics UG held on 20.05.2021.
4. Considering the urgency in implementation of the syllabus, sanction has been accorded by the Vice Chancellor on 26-05-2021 to implement Outcome Based Education in the existing syllabus of BA Economics Programme (CBCSS UG 2019) without changing the content, with effect from 2020 Admission onwards, subject to ratification by the Academic Council.
5. The scheme and syllabus of BA Economics Programme under CBCSS UG Regulations 2019 incorporating Outcome Based Education (OBE) in the existing syllabus without changing the content is therefore implemented with effect from 2020 Admission onwards, subject to ratification by the Academic Council.
6. Orders are issued accordingly. (Syllabus appended)

Ajitha P.P

Joint Registrar

To

The Principals of all Affiliated Colleges  
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*[Handwritten Signature]*  
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Section Officer

## BA Economics Curriculum: CBCSS 2019

the student should be kept in the college and the Principal should give a Certificate for the same. The list of students (successfully completed the programme) must be sent to the University before the commencement of the fifth semester examinations. A College level Coordinator and a Department level Co-ordinator shall be appointed for the smooth conduct of the programme

### 15. Course Code

As already stated, the UG programme shall include five types of courses, viz; Common Courses (Code A), Core courses (Code B), Complementary courses (Code C), Open Course (Code D) and Audit courses (Code E). Each course shall have a unique alphanumeric code number, which includes abbreviation of the subject in three letters, the semester number (1 to 6) in which the course is offered, the code of the course (A to E) and the serial number of the course (01,02 .....). The course code will be centrally generated by the university. For example: ENG2A03 represents a common course of serial number 03 offered in the second semester and ECO2B02 representing second semester Core course 2 in Economics programme. The four variants of UG Economics programme of University of Calicut have different subject code as given here under:

Sl.No.	Programe(s)	Subject code of Core Course
1	BA Economics programmes	ECO
2	BA Development Economics	DEC
3	BA Economics with Foreign Trade	EFT
4	BA Economics with Islamic Finance	EIF

### 16. Structure/Scheme of BA Economics Programme

The semester-wise scheme of BA Economics programme is presented here under.

Semester I				
Course	Code	Name of the paper	Hours	Credit
Common I	A01	Common English Course I	4	3
Common II	A02	Common English Course II	5	3
Common III	A07(1)	Additional Language Course I	4	4
Core I	ECO1 B01	Microeconomics I	6	5
Complementary (Type 1-Course I)			6	4
Ability Enhancement/Audit I	AUD1E01	Environment Studies	--	4
Total			25	23



**BA Economics Curriculum: CBCSS 2019**

<b>Semester II</b>				
<b>Course</b>	<b>Code</b>	<b>Name of the Course</b>	<b>Hours</b>	<b>credit</b>
Common IV	A03	Common English Course III	4	4
Common V	A04	Common English Course IV	5	4
Common VI	A08(1)	Additional Language Course II	4	4
Core 2	ECO2 B02	Macroeconomics I	6	5
Complementary (Type 2-Course I)			6	4
Ability Enhancement/Audit 2	AUD2E02	Disaster Management	--	4
<b>Total</b>			<b>25</b>	<b>25</b>

<b>Semester III</b>				
<b>Course</b>	<b>Code</b>	<b>Name of the Course</b>	<b>Hours</b>	<b>credit</b>
Common VII	A05	Common English Course V	5	4
Common VIII	A09	Additional Language Course III	5	4
Core 3	ECO3 B03	Quantitative Methods for Economic Analysis I	5	4
Core 4	ECO3 B04	Microeconomics II	4	4
Complementary (Type 2-Course 2)			6	4
Ability Enhancement/Audit 3	AUD3E03	Human Rights/Intellectual Property Rights/ Consumer Protection	-	4
<b>Total</b>			<b>25</b>	<b>24</b>

<b>Semester IV</b>				
<b>Course</b>	<b>Code</b>	<b>Name of the Course</b>	<b>Hours</b>	<b>Credit</b>
Common IX	A06	Common English Course VI	5	4
Common X	A10	Additional Language Course IV	5	4
Core 5	ECO4 B05	Quantitative Methods for Economic Analysis II	5	4
Core 6	ECO4 B06 –	Macroeconomics II	4	4
Complementary (Type 1-Course 2)			6	4
Ability Enhancement/Audit 4	AUD4E04	Gender Studies/Gerontology	-	4
<b>Total</b>			<b>25</b>	<b>24</b>



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**BA Economics Curriculum: CBCSS 2019**

Semester V				
Course	Code	Name of the Course	Hours	Credit
Core 7	EC05 B07	Fiscal Economics	6	4
Core8	ECO5 B08	Indian Economic Development	6	4
Core 9	ECO5 B09	Economics of Capital Market	5	4
Core 10	ECO5 B10	Mathematical Economics	5	4
Open Course		To be selected from any other Departments	3	3
Total			25	19

Semester VI				
Course	Code	Name of the Course	Hours	Credit
Core 11	ECO6 B11	Financial Economics	5	4
Core 12	EC06 B12	International Economics	5	4
Core 13	ECO6 B13	Development of Economic Thought	5	4
Core 14	ECO6 B14	Economics of Growth and Development	5	4
Elective(Choose one among the three)	ECO6 B16	Basic Econometrics	3	3
	ECO6 B17	Behavioural Economics		
	ECO6 B18	Urban Economics		
Project	ECO6 B15	Project work/Research Methodology	2	2
Total			25	21

*Note: A compulsory study tour is recommended as part of the paper entitled "Indian Economic Development", in the Fifth Semester. The tour report should be submitted to the Head of the Department within two weeks of the tour.*

**17. Distribution of courses in each semester**

As per the UG regulation, the courses are distributed over various semesters. For the information of the stakeholders, the details are provided here with. The semester-wise distribution of courses for the completion of BA Economics Programme is given in the following Table

