



# CARMEL COLLEGE, MALA

Nationally Re-accredited with 'A' grade (Third Cycle)

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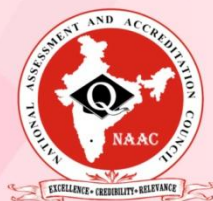
## Criteria I

### Curricular Aspects

1.2.1 Percentage of Programmes in which Choice Based Credit System (CBCS)/ elective course system has been implemented

**Programme Structure indicating courses credits electives**

*Submitted to*



**THE NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL**



UNIVERSITY OF CALICUT

**Abstract**

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

**G & A - IV - J**

U.O.No. 9059/2019/Admn

Dated, Calicut University.P.O, 09.07.2019

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

2. The minutes of the meeting of the Board of Studies in Physics held on 07.06.2019

3. Item No. I.5 in the minutes of the meeting of Faculty of Science held on 27.06.2019

ORDER

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

The meeting of Board of Studies in Physics UG held on 07/06/2019 has approved the Syllabus of B Sc Applied Physics 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 Physics UG held on 07/06/2019, vide paper read third above.

Under these circumstances , considering the urgency, the Vice Chancellor has accorded sanction to implement the Scheme and Syllabus of B Sc Applied Physics 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.

The Scheme and Syllabus of B Sc Applied Physics 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).

Biju George K

Assistant Registrar

To

The Principals of all Affiliated Colleges

Copy to: PS to VC/PA to PVC/ PA to Registrar/PA to CE/JCE I/JCE IV/DoA/EX and EG Sections/GA I F/CHMK Library/Information Centres/SF/DF/FC

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**UNIVERSITY OF CALICUT**

**B.Sc. PROGRAMME IN APPLIED PHYSICS**

**(B.Sc. in Language reduced pattern)**

**SYLLABUS & MODEL QUESTION PAPERS**

**w.e.f. 2019 admission onwards**

**CBCSSUG Regulations 2019**

## B.Sc. DEGREE PROGRAMME (APPLIED PHYSICS CORE)

### COURSE STRUCTURE

Semester	Course Code	Course Title	Total hours	Hours/Week	Credits
1	A 01	Common Course I – English	72	4	4
	A 02	Common Course II – English	90	5	3
	A 07	Common Course III – Language other than English	72	4	4
	APH1 B01	Core course I - Methodology of Science and Basic Mechanics	36	2	2
		Core Course V - Practical I(1)	36	2	*
		1 <sup>st</sup> Complementary Course I - Mathematics	72	4	3
		2 <sup>nd</sup> Complementary Course I	36	2	2
		2 <sup>nd</sup> Complementary Course Practical I	36	2	*
	EO1	Environment Studies	-	-	4**
	<b>Total</b>	<b>450</b>	<b>25</b>	<b>18</b>	
2	A 03	Common Course IV – English	72	4	4
	A 04	Common Course V – English	90	5	3
	A 08	Common Course VI – Language other than English	72	4	4
	APH2 B02	Core Course II - Mechanics	36	2	2
		Core Course V - Practical I(1)	36	2	*
		1 <sup>st</sup> Complementary Course II - Mathematics	72	4	3
		2 <sup>nd</sup> Complementary Course II	36	2	2
		2 <sup>nd</sup> Complementary Course Practical II	36	2	*
	E02	Disaster Management			4**
	<b>Total</b>	<b>450</b>	<b>25</b>	<b>18</b>	
3	A 11	General Course -I engaged by Core	72	4	3
	A 12	General Course -II engaged by Core	72	4	3

	APH3 B03	Core Course III – Electrodynamics-I	54	3	3
		Core Course V(1)– Practical I(1)	36	2	*
		Core Course V(2)– Practical I(2)	36	2	*
		1 <sup>st</sup> Complementary Course III – Mathematics	90	5	3
		2 <sup>nd</sup> Complementary Course III	54	3	2
		2 <sup>nd</sup> Complementary Course Practical III	36	2	*
	E03	Human Rights <b>or</b> Intellectual Property Rights <b>or</b> Consumer protection			4**
		<b>Total</b>	<b>450</b>	<b>25</b>	<b>14</b>
4	A13	General Course -III engaged by Core	72	4	3
	A14	General Course -IV engaged by Core	72	4	3
	APH4 B04	Core Course IV - Electrodynamics II	54	3	3
	APH4 B05(1)	Core Course Practical V(1) – Practical I(1)	36	2	<b>5</b>
	APH4 B05(2)	Core Course Practical V(2) – Practical I(2)	36	2	<b>4</b>
		1 <sup>st</sup> Complementary Course IV– Mathematics	90	5	3
		2 <sup>nd</sup> Complementary Course IV	54	3	2
		2 <sup>nd</sup> Complementary Course Practical IV	36	2	4
	E04	Gender studies <b>or</b> Gerontology			4**
		<b>Total</b>	<b>450</b>	<b>25</b>	<b>27</b>
5	APH5 B06	Core Course VI - Computational Physics	54	3	3
	APH5 B07	Core Course VII - Quantum Mechanics	54	3	3
	APH5 B08	Core Course VIII - Optics	54	3	3
	APH5 B09	Core Course IX- Electronics (Analog and Digital)	54	3	3
		<b>Open Course – (course from other streams)</b>	54	3	3
		Core Course Practical XV - Practical II	72	4	*
		Core Course Practical XVI- Practical III	72	4	*
		Core Course XVII Project/Research methodology	36	2	*
		<b>Total</b>	<b>450</b>	<b>25</b>	<b>15</b>
6	APH6 B10	Core Course X - Thermodynamics	54	3	3
	APH6 B11	Core Course XI -Statistical Physics, Solid State Physics, Spectroscopy & Photonics	54	3	3



APH6 B12	Core Course XII - Nuclear Physics and Particle Physics	54	3	3
APH6 B13	Core Course XIII - Relativistic Mechanics and Astrophysics	54	3	3
APH6 B14	Core Course XIV (Elective:EL1 / EL2 / EL3)	54	3	3
APH6 B15	Core Course Practical XV – Practical II	72	4	5
APH6 B16	Core Course Practical XVI – Practical III	72	4	5
APH6 B17 (P/R)	Core Course XVII Project/Research methodology Tour report	36	2	2 1
	<b>Total</b>	<b>450</b>	<b>25</b>	<b>28</b>
<b>Total Credits</b>				<b>120</b>

**Tour report shall be evaluated with Practical III**

\*Credit for practical / project to be awarded only at the end of Semester 4 and Semester 6.

\*\*Mandatory audit courses for the program, but not counted for the calculation of SGPA or CGPA.

Student can attain only pass (Grade P) for these courses.

**For the purpose of selecting general courses, B.Sc. Applied Physics is included in group 3 of the language reduced pattern subjects along with Computer Science, Electronics, Instrumentation, Printing Technology, Computer Application (page 7 of CBCSSUG Regulations 2019 vide ref U.O No. 4368/2019/Admn Dated, 23.03.2019)**

**General Courses:**

**A11-Python**

**A12-Sensors and Transducers**

**A13-Data communication and Optical fibers**

**A14-Microprocessors-Archetecture and Programs**

## CREDIT AND MARK DISTRIBUTION IN EACH SEMESTERS

**Total Credits: 120; Total Marks: 3075**

<i>Semester</i>	<i>Course</i>	<i>Credit</i>	<i>Marks</i>
1	Common course: English	4	100
	Common course: English	3	75
	Common course: Additional Language	4	100
	Core Course I: Methodology of Science and Basic Mechanics	2	75
	Complementary course: Mathematics	3	75
	Complementary course: II	2	75
	Total	<b>18</b>	<b>500</b>
2	Common course: English	4	100
	Common course: English	3	75
	Common course: Additional Language	4	100
	Core Course II: Mechanics	2	75
	Complementary course: Mathematics	3	75
	Complementary course: II	2	75
	Total	<b>18</b>	<b>500</b>
3	General Course -I Python	3	75
	General Course -II Sensors and Transducers	3	75
	Core Course III: Electrodynamics-I	3	75
	Complementary course: Mathematics	3	75
	Complementary course: II	2	75
	Total	<b>14</b>	<b>375</b>
4	General Course -III Data Communication and Optical fibers	3	75
	General Course -IV Microprocessor-Architecture and programs	3	75
	Core Course IV: Electrodynamics-II	3	75
	Core Course V(1): Physics Practical I(1)	5	100
	Core Course V(2): Physics Practical I(2)	4	100
	Complementary course: Mathematics	3	75
	Complementary course: II	2	75
	Complementary course: II Practical	4	100
	Total	<b>27</b>	<b>675</b>
5	Core Course VI: Computational Physics	3	75
	Core Course VII :Quantum Mechanics	3	75
	Core Course VIII: Optics	3	75
	Core Course IX: Electronics (Analog and Digital)	3	75
	Open course	3	75
	Total	<b>15</b>	<b>375</b>

6	Core Course X: Thermodynamics	3	75
	Core Course XI: Statistical Physics, Solid State Physics, Spectroscopy and Photonics	3	75
	Core Course XII: Nuclear Physics and Particle Physics	3	75
	Core Course XIII: Relativistic mechanics and Astrophysics	3	75
	Core Course XIV: Elective (EL1 / EL2 / EL3)	3	75
	Core Course XV: Practical II	5	100
	Core Course XVI: Practical III	5	100
	Core Course XVII: Project	2	60
	and Tour report/Research Methodology	1	15
	<b>Total</b>	<b>28</b>	<b>650</b>
<b>Grand Total</b>	<b>120</b>	<b>3075</b>	





UNIVERSITY OF CALICUT

**Abstract**

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

**G & A - IV - J**

U.O.No. 8857/2019/Admn

Dated, Calicut University.P.O, 05.07.2019

- Read:-*1. U.O.No. 4368/2019/Admn dated 23.03.2019  
2. Minutes of the meeting of the Board of Studies in Mathematics UG held on 06.04.2019  
3. Item No. 1.6 in the minutes of the meeting of Faculty of Science held on 27.06.2019

ORDER

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

The meeting of the Board of Studies in Mathematics UG held on 06.04.2019 has approved the Syllabus of BSc Mathematics Programme in tune with new CBCSS UG Regulations implemented with effect from 2019 Admission onwards, vide paper read second above.

The Faculty of Science at its meeting held on 27.06.2019 has approved the minutes of the meeting of the Board of Studies in Mathematics UG held on 06.04.2019, vide paper read third above.

Under these circumstances, considering the urgency, the Vice Chancellor has accorded sanction to implement the Scheme and Syllabus of BSc Mathematics Programme in accordance with the new CBCSS UG 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 BSc Mathematics 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 )

Biju George K

Assistant Registrar

To

1. The Principals of all Affiliated Colleges offering Mathematics. 2. Director SDE  
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**B.Sc. DEGREE PROGRAMME**

**CHOICE BASED CREDIT**

**SEMESTER SYSTEM  
(CBCSSUG Regulations 2019)**

**MATHEMATICS**

**(CORE, OPEN & COMPLEMENTARY  
COURSES)**

SYLLABUS

(Effective from 2019 admission onwards)



**UNIVERSITY OF CALICUT**

# Syllabus structure

## Core Courses

The following courses are compulsory for BSc Mathematics programme.

Sl. No	Code	Name of the course	Semester	No of contact hours/Week	Credits	Max. Marks			Exam dur.(Hrs)
						Internal	External	Total	
1	MTS1B01	Basic Logic and Number Theory	1	4	4	20	80	100	2.5
2	MTS2B02	Calculus of Single variable-1	2	4	4	20	80	100	2.5
3	MTS3B03	Calculus of Single variable-2	3	5	4	20	80	100	2.5
4	MTS4B04	Linear Algebra	4	5	4	20	80	100	2.5
5	MTS5B05	Theory of Equations and Abstract Algebra	5	5	4	20	80	100	2.5
6	MTS5B06	Basic Analysis	5	5	4	20	80	100	2.5
7	MTS5B07	Numerical Analysis	5	4	3	15	60	75	2
8	MTS5B08	Linear Programming	5	3	3	15	60	75	2
9	MTS5B09	Introduction to Geometry	5	3	3	15	60	75	2
		Project	5	2					
10		Open Course (Offered by Other Departments)	5	3	3	15	60	75	2
11	MTS6B10	Real Analysis	6	5	5	20	80	100	2.5
12	MTS6B11	Complex Analysis	6	5	5	20	80	100	2.5
13	MTS6B12	Calculus of Multi variable	6	5	4	20	80	100	2.5
14	MTS6B13	Differential Equations	6	5	4	20	80	100	2.5
15	MTS6B14	Elective	6	3	2	15	60	75	2
16	MTS6P15(PR)	Project Viva	6	2	2	15	60	75	
				68	58			1450	

## Elective Courses

One of the following four courses can be offered in the sixth semester as an elective course (Code MTS6B14(E01), MTS6B14(E02) and MTS6B14(E03)).

Sl. No	Code	Name of the course	Semester	No of contact hours/Week	Credits	Max. Marks			Exam dur. (Hrs)
						Internal	External	Total	
1	MTS6B14(E01)	Graph Theory	6	3	2	15	60	75	2
2	MTS6B14(E02)	Topology of Metric spaces	6	3	2	15	60	75	2
3	MTS6B14(E03)	Mathematical Programming with Python and Latex	6	3	2	15	60	75	2

## Open Courses

One of the following four courses can be offered in the fifth semester as an open course for students from other degree programmes (MTS5D01, MTS5D02, MTS5D03 and MTS5D04).

Sl. No	Code	Name of the course	Semester	No of contact hours/Week	Credits	Max. Marks			Unty. exam Dur. (Hrs)
						Internal	External	Total	
1	MTS5D01	Applied Calculus	5	3	3	15	60	75	2
2	MTS5D02	Discrete Mathematics for Basic and Applied Sciences	5	3	3	15	60	75	2
3	MTS5D03	Linear Mathematical Models	5	3	3	15	60	75	2
4	MTS5D04	Mathematics for Decision Making	5	3	3	15	60	75	2

## Complementary Courses

Sl. No	Code	Name of the course	Semester	No of contact hours/Week	Credits	Max. Marks			Unty. exam Dur. (Hrs)
						Internal	External	Total	
1	MTS1C01	Mathematics-1	1	4	3	15	60	75	2
2	MTS2C02	Mathematics-2	2	4	3	15	60	75	2
3	MTS3C03	Mathematics-3	3	5	3	15	60	75	2
4	MTS4C04	Mathematics-4	4	5	3	15	60	75	2

## Credit and Mark Distribution of BSc Mathematics Programme

Sl. No	Course	Credits	
1	English	22	
2	Additional Language	16	
3	Core Course	13 Courses	51
		1 Elective	2
		Project	2
4	Complementary course I	12	
5	Complementary course II	12	
6	Open Course	3	
<b>Total</b>		<b>120</b>	

## Scheme of Evaluation

The evaluation scheme for each course shall contain two parts: internal evaluation and external evaluation.

### Internal Evaluation

20% of the total marks in each course are for internal evaluation. The colleges shall send only the marks obtained for internal examination to the university.



UNIVERSITY OF CALICUT

**Abstract**

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

**G & A - IV - J**

U.O.No. 9082/2019/Admn

Dated, Calicut University.P.O, 09.07.2019

- Read:-*1. U.O.No. 4368/2019/Admn dated 23.03.2019  
2. Item No. 1 of the minutes of the combined meeting of the Boards of Studies in Chemistry UG, Polymer Chemistry and Industrial Chemistry held on 27.05.2019  
3. Item No. 1.16 of the minutes of the meeting of Faculty of Science held on 27.06.2019

ORDER

The Regulations for Choice Based Credit and Semester System for 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 combined meeting of the Boards of Studies in Chemistry UG, Polymer Chemistry and Industrial Chemistry on 27.05.2019 has approved the Syllabus of BSc Chemistry 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 combined meeting of the Boards of Studies in Chemistry UG, Polymer Chemistry and Industrial Chemistry 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 BSc Chemistry 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.

The Scheme and Syllabus of BSc Chemistry 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)

Biju George K

Assistant Registrar

To

The Principals of all Affiliated Colleges

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# UNIVERSITY OF CALICUT

**B.Sc. DEGREE PROGRAMME**

IN

**CHEMISTRY**

(CBCSSUG 2019)

**UNDER CHOICE BASED CREDIT AND SEMESTER SYSTEM**

**SCHEME AND SYLLABI**

**2019 ADMISSION ONWARDS**



**Core Course Structure - Total Credits: 55 (Internal: 20%; External: 80%)**

Semester	Code No	Course Title	Hrs/ Week	Total Hrs	Credit	Marks	
<b>I</b>	CHE1B01	Core Course I: Theoretical and Inorganic Chemistry- I	2	32	2	75	
	-	Core Course V : Inorganic Chemistry Practical-I	2	32	-*	-	
<b>II</b>	CHE2B02	Core Course II: Theoretical and Inorganic Chemistry- II	2	32	2	75	
	-	Core Course V : Inorganic Chemistry Practical-I	2	32	-*	-	
<b>III</b>	CHE3B03	Core Course III: Physical Chemistry-I	3	48	3	75	
	-	Core Course V : Inorganic Chemistry Practical-I	2	32	-*	-	
<b>IV</b>	CHE4B04	Core Course IV: Organic Chemistry-I	3	48	3	75	
	CHE4B05(P)	Core Course V : Inorganic Chemistry Practical-I	2	32	4	100	
<b>V</b>	CHE5B06	Core Course VI: Inorganic Chemistry-III	3	48	3	75	
	CHE5B07	Core Course VII: Organic Chemistry-II	4	64	3	75	
	CHE5B08	Core Course VIII: Physical Chemistry-II	3	48	3	75	
	-	Core Course XIV: Physical Chemistry Practical	5	80	-**	-	
	-	Core Course XV: Organic Chemistry Practical	5	80	-**	-	
	-	Core Course XVIII: Project Work	2	32	-**	-	
<b>VI</b>	CHE6B09	Core Course IX: Inorganic Chemistry-IV	3	48	3	75	
	CHE6B10	Core Course X: Organic Chemistry-III	3	48	3	75	
	CHE6B11	Core Course XI: Physical Chemistry-III	3	48	3	75	
	CHE6B12	Core Course XII: Advanced and Applied Chemistry	3	48	3	75	
	CHE6B13(E1)	Core Course XIII: Elective***	1. Industrial Chemistry	3	48	2	75
	CHE6B13(E2)		2. Polymer Chemistry				
	CHE6B13(E3)		3. Medicinal and Environmental Chemistry				
	CHE6B14(P)	Core Course XIV: Physical Chemistry Practical	-	-	4**	100	
	CHE6B15(P)	Core Course XV: Organic Chemistry Practical	-	-	4**	100	
	CHE6B16(P)	Core Course XVI: Inorganic Chemistry Practical-II <sup>#</sup>	5	80	4	100	
	CHE6B17(P)	Core Course XVII: Inorganic Chemistry Practical-III	5	80	4	100	
	CHE6B18(Pr)	Core Course XVIII: Project Work	-	-	2**	75	
<b>Total</b>					<b>55</b>	<b>1475</b>	

\* Exam will be held at the end of 4<sup>th</sup> semester

\*\* Exam will be held at the end of 6<sup>th</sup> semester

\*\*\* An institution can choose any one among the three courses.

<sup>#</sup>Includes industrial visit also. Marks: 85 (Inorganic Chemistry Practical–II) + 15 (Industrial visit).



UNIVERSITY OF CALICUT

**Abstract**

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

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**G & A - IV - J**

U.O.No. 9202/2019/Admn

Dated, Calicut University.P.O, 12.07.2019

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

2) Item No.1 in the minutes of the meeting of the Board of Studies in Zoology UG held on 25.06.2019

3) Item No. I.12 in the minutes of the meeting of Faculty of Science held on 27.06.2019

ORDER

The Regulations for Choice Based Credit and Semester System for 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 Zoology UG held on 25.06.2019 has approved the Scheme and Syllabus of BSc Zoology 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 Zoology UG held on 25.06.2019, vide paper read third above.

Under these circumstances, considering the urgency, the Vice Chancellor has accorded sanction to implement the Scheme and Syllabus of BSc Zoology 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.

The Scheme and Syllabus of BSc Zoology 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).

Biju George K

Assistant Registrar

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The Principals of all Affiliated Colleges

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# UNIVERSITY OF CALICUT



## **B.Sc. ZOOLOGY PROGRAMME**

**[CBCSS UG 2019]**

### **SYLLABUS**

**Core Courses**

**Open Courses**

**Complementary Courses**

**&**

**Model Question Papers**

**EFFECTIVE FROM 2019 ADMISSION**

**Table 4. SEMESTER WISE DISTRIBUTION OF CREDITS AND MARKS**

B.Sc. Zoology Programme  
Total Credits: 140; Total Marks: 3775

<b>Semester</b>	<b>Course</b>	<b>Credits</b>	<b>Marks</b>
<b>I</b>	Common course: English	3	75
	Common course: English	3	75
	Common course: Additional Language	4	100
	Core Course I: Animal Diversity: Non-chordata Part-I	2	75
	Complementary course: Chemistry	2	75
	Complementary course: Botany	2	75
	Audit Course: Environmental studies	4	100
	<b>Total</b>	<b>20</b>	<b>575</b>
<b>II</b>	Common course: English	4	100
	Common course: English	4	100
	Common course: Additional Language	4	100
	Core Course II: Animal Diversity: Non-chordata Part-II	2	75
	Complementary course: Chemistry	2	75
	Complementary course: Botany	2	75
	Audit Course: Disaster Management	4	100
	<b>Total</b>	<b>22</b>	<b>625</b>
<b>III</b>	Common course: English	4	100
	Common course: Additional Language	4	100
	Core Course III: Animal Diversity: Chordata Part-I	3	75
	Complementary course: Chemistry	2	75
	Complementary course: Botany	2	75
	Audit Course: Human Rights/Intellectual Property Rights/ Consumer Protection	4	100
	<b>Total</b>	<b>19</b>	<b>525</b>
<b>IV</b>	Common course: English	4	100
	Common course: Additional Language	4	100
	Core course IV: Animal Diversity: Chordata Part-II	3	75
	Core course V: Zoology Core Practical – I [Practical I*A +I*B+ I*C+ I*D]	4	100
	Complementary course: Chemistry	2	75
	Complementary course: Chemistry Practical	4	100
	Complementary course: Botany	2	75
	Complementary course: Botany Practical	4	100
	Audit Course: Gender studies/Gerontology	4	100
	Extra credits (Maximum)	4	100
	<b>Total</b>	<b>35</b>	<b>925</b>

<b>Semesters</b>	<b>Course</b>	<b>Credits</b>	<b>Marks</b>
<b>V</b>	Core Course VI: Cell Biology and Genetics	4	100
	Core Course VII: Biotechnology, Microbiology and Immunology	4	100
	Core Course VIII: Biochemistry and Molecular Biology	4	100
	Core Course IX: Methodology in Science, Biostatistics and Bioinformatics	4	100
	Open course: Any other streams	3	75
	<b>Total</b>	<b>19</b>	<b>475</b>
<b>VI</b>	Core Course X: Physiology and Endocrinology	3	75
	Core Course XI: Reproductive and Developmental Biology	3	75
	Core Course XII: Environmental and Conservation Biology	3	75
	Core Course XIII: Ethology, Evolution and Zoogeography	3	75
	Core Course XIV: Elective course (Any one below) [01] Human Genetics [02] Aquaculture, Animal Husbandry & Poultry science [03] Applied Entomology	2	75
	Core Course XV: Zoology Core Practical- II [Practical II*A + II*B]	4	100
	Core Course XVI: Zoology Core Practical- III [Practical III*A+ III*B]	4	100
	Core Course XVII: Project Work and Field study	2+1	75
<b>Total</b>	<b>25</b>	<b>650</b>	
	<b>Grand Total</b>	<b>140</b>	<b>3775</b>

**Table 5**  
**B.Sc. ZOOLOGY (CORE) PROGRAMME**  
**STRUCTURE OF CORE, OPEN AND ELECTIVE COURSES**

*Course code, Title, Instructional hours, Credits, Marks and Examination duration in various semesters*

**Total Credits: 58**  
**(w.e.f. 2019 Admission)**

Semester	Core/Open/ Elective courses	Code	Course Title	Instructional hours/week	Instructional hrs in a semester	Credits	External Marks	Internal marks	Total marks	Duration of Exam (hrs)
I	Theory I	ZOL1B01T	Animal Diversity : Nonchordata Part-I	2	36	2	60	15	75	2
	Practical I*A	--	Practical related to ZOL1B01T	2	36	*	--	--	--	
II	Theory II	ZOL2B02T	Animal Diversity : Nonchordata Part-II	2	36	2	60	15	75	2
	Practical I*B	--	Practical related to ZOL2B02T	2	36	*	--	--	--	
III	Theory III	ZOL3B03T	Animal Diversity: Chordata Part-I	3	54	3	60	15	75	2
	Practical I*C	--	Practical related to ZOL3B03T	2	36	*	--	--	--	
IV	Theory IV	ZOL4B04T	Animal Diversity: Chordata Part-II	3	54	3	60	15	75	2
	Practical I*D	--	Practical related to ZOL4B04T	2	36	*	--	--	--	
	Practical-I {I*A +I*B+ I*C+ I*D}	ZOL4B05P	Zoology Core Practical I (Practical related to ZOL1B01T,02T,03T and 04T)	8	144	4	80	20	100	4
V	Theory V	ZOL5B06T	Cell Biology and Genetics	3	54	4	80	20	100	2.5
	Theory VI	ZOL5B07T	Biotechnology, Microbiology and Immunology	4	72	4	80	20	100	2.5
	Practical II*A	--	Practical related to ZOL5B06T & 07T	4	72	**	--	--	--	
	Theory VII	ZOL5B08T	Biochemistry and Molecular Biology	4	72	4	80	20	100	2.5
	Theory VIII	ZOL5B09T	Methodology in Science, Biostatistics and Bioinformatics	3	54	4	80	20	100	2.5
	Practical II*B	--	Practical related to ZOL5B08T, & 09T	4	72	**	--	--	--	
	#Open Course +++ (for other streams)	ZOL5D01T ZOL5D02T ZOL5D03T	• Reproductive Health and Sex Education • Nutrition, Health & Hygiene • Applied Zoology (Any one) #	3	54	3	60	15	75	2
VI	Theory IX	ZOL6B10T	Physiology and Endocrinology	3	54	3	60	15	75	2
	Theory X	ZOL6B11T	Reproductive and Developmental Biology	3	54	3	60	15	75	2
	Practical III*A	--	Practical related to ZOL6B10T & 11T	4	72	**	--	--	--	
	Theory XI	ZOL6B12T	Environmental and Conservation Biology	3	54	3	60	15	75	2
	Theory XII	ZOL6B13T	Ethology, Evolution and Zoogeography	3	54	3	60	15	75	2

Semester	Core/Open/ Elective courses	Code	Course Title	Instructional hours/week	Instructional hrs in a semester	Credits	External Marks	Internal marks	Total marks	Duration of Exam (hrs)
	Theory XIII Elective Course##	ZOL6B14(E)01T ZOL6B14(E)02T ZOL6B14(E)03T	<ul style="list-style-type: none"> <li>• Human Genetics</li> <li>• Aquaculture, Animal Husbandry &amp; Poultry science</li> <li>• Applied Entomology</li> </ul> (Any one) ##	3	54	2	60	15	75	2
	Practical III*B	--	Practical related to theory core course ZOL6B12T, 13T & ZOL6B14 (E)01T/ (E)02T/ (E)03T	4	72	**	--	--	--	
			Project work / Field study	2	32	***	--	--	--	
	Practical II (II*A +II*B)	ZOL6B15P	Zoology Core Practical II (Practical related to ZOL5B06T, 07T, 08T, 09T)	8	144	4**	80	20	100	4
	Practical III (III*A +III*B)	ZOL6B16P	Zoology Core Practical III (Practical related to ZOL6B10T, 11T, 12T, 13T & 14T (E)01/(E)02/(E)03)	8	144	4**	80	20	100	4
		ZOL6B17PF	Project work & Field study	--	--	2+1 ***	60	15	75	
			<b>Total</b>			<b>58</b>	<b>1220</b>	<b>305</b>	<b>1525</b>	

**Core courses 1450 + Open course 75 = 1525 Marks**

Scheme of evaluation: External 80 % +Internal 20 %

\* Practical examination for 1<sup>st</sup>, 2<sup>nd</sup>, 3<sup>rd</sup> and 4<sup>th</sup> semesters will be held at the end of IV semester.

\*\* Practical examination for 5<sup>th</sup> and 6<sup>th</sup> semesters will be held at the end of VI semester.

\*\*\* **Project work – 2 credits; Field study – 1 credit.** External evaluation of Project work and Field study report will be conducted at the end semester VI after Practical III (External: 80% Marks + Internal: 20 % marks; **Total: 75 Marks**). (It includes a Viva-voce based on report of Project work and field study).

Project: External 48 marks + Internal 12 marks = **60** marks

Field study report: External 12 marks +Internal 3 marks = **15** marks

# Open course of any one course (ZOL5D01T/ ZOL5D02T/ ZOL5D03T) opted by the dept. is for other streams.

Open course Theory: 80% marks for external and 20% marks for internal evaluation.

+++ See Appendix of Open course

## Elective course of any one course (ZOL6B14(E)01/ ZOL6B14(E)02/ ZOL6B14(E)03) opted by the dept. is for Core course.





UNIVERSITY OF CALICUT

**Abstract**

**General and Academic - Faculty of Science - Syllabus of Bachelor of Computer Application (B.C.A) Programme under CBCSS UG Regulations 2019 with effect from 2019 Admission onwards - Implemented- Orders Issued.**

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**G & A - IV - J**

U.O.No. 11088/2019/Admn

Dated, Calicut University.P.O, 21.08.2019

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

2. The minutes of the meeting of the Board of Studies in Computer Science and Application UG held on 12.06.2019

3. Item No. I.29 in the minutes of the meeting of Faculty of Science held on 27.06.2019

ORDER

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

The meeting of Board of Studies in Computer Science and Application UG held on 12.06.2019 has approved the Syllabus of Bachelor of Computer Application (B.C.A) 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 Computer Science and Application UG held on 12.6.2019, vide paper read third above.

Under these circumstances , considering the urgency, the Vice Chancellor has accorded sanction to implement the Scheme and Syllabus of Bachelor of Computer Application (B.C.A) 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.

The Scheme and Syllabus of Bachelor of Computer Application (B.C.A) 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)

Biju George K

Assistant Registrar

To

The Principals of all Affiliated Colleges

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Section Officer

**UNIVERSITY OF CALICUT**  
**THENHIPALAM, CALICUT UNIVERSITY P.O**



**DEGREE OF**

**BACHELOR OF COMPUTER APPLICATION**

**(B. C. A)**

**(CHOICE BASED CREDIT AND SEMESTER SYSTEM FOR  
UNDERGRADUATE CURRICULUM)**

**UNDER THE  
FACULTY OF SCIENCE**

**SYLLABUS**

**(FOR THE STUDENTS ADMITTED FROM THE ACADEMIC YEAR 2019 – 20 ONWARDS)**

**BOARD OF STUDIES IN COMPUTER SCIENCE (UG)**

**THENHIPALAM, CALICUT UNIVERSITY P.O**

**KERALA, 673 635, INDIA**

**JUNE, 2019**

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## **BACHELOR OF COMPUTER APPLICATIONS PROGRAMME** **STRUCTURE**

<b>LEGEND</b>	
<b>Item</b>	<b>Description</b>
C	Credits
E	External Component
I	Internal Component
L	Lecture Hours
P	Practical Hours
T	Total

<b>Semester I</b>									
<b>No</b>	<b>Course Code</b>	<b>Course Name</b>	<b>C</b>	<b>Marks</b>			<b>Hrs/wk</b>		
				<b>I</b>	<b>E</b>	<b>T</b>	<b>L</b>	<b>P</b>	<b>T</b>
01	A01	Common English	3	15	60	75	5	0	5
02	A02	Common English	3	15	60	75	4	0	4
03	A07	Languages other than English	4	20	80	100	4	0	4
04	BCA1B01	Computer Fundamentals & HTML	3	15	60	75	2	2	4
05	BCA1C01	Mathematical Foundation for Computer Applications	3	15	60	75	4	0	4
06	BCA1C02	Discrete Mathematics	3	15	60	75	4	0	4
<b>Total</b>			<b>19</b>			<b>475</b>	<b>23</b>	<b>2</b>	<b>25</b>

## Semester II

No	Course Code	Course Name	C	Marks			Hrs/wk		
				I	E	T	L	P	T
07	A03	Common English	4	20	80	100	5	0	5
08	A04	Common English	4	20	80	100	4	0	4
09	A08	Literature in Languages other than English	4	20	80	100	4	0	4
10	BCA2B02	Problem Solving using C	3	15	60	75	2	2	4
11	BCA2B03	Programming Laboratory I: HTML and Programming in C	4	20	80	100	0	0	0
12	BCA2C03	Financial and Management Accounting	3	15	60	75	4	0	4
13	BCA2C04	Operations Research	3	15	60	75	4	0	4
<b>Total</b>			<b>25</b>			<b>625</b>	<b>23</b>	<b>2</b>	<b>25</b>

## Semester III

No	Course Code	Course Name	C	Marks			Hrs/wk		
				I	E	T	L	P	T
14	A11	Python Programming	4	20	80	100	4	0	4
15	A12	Data Communication and Optical Fibres	4	20	80	100	4	0	4
16	BCA3B04	Data Structures using C	3	15	60	75	3	4	7
17	BCA3C05	Computer Oriented Numerical and Statistical Methods	3	15	60	75	5	0	5
18	BCA3C06	Theory of Computation	3	15	60	75	5	0	5
<b>Total</b>			<b>17</b>			<b>425</b>	<b>21</b>	<b>4</b>	<b>25</b>

<b>Semester IV</b>									
No	Course Code	Course Name	Credit	Marks			Hrs/wk		
				I	E	T	L	P	T
19	A13	Microprocessors Architecture and Programming	4	20	80	100	4	0	4
20	A14	Sensors and Transducers	4	20	80	100	4	0	4
21	BCA4B05	Database Management System and RDBMS	3	15	60	75	3	4	7
22	BCA4B06	Programming Laboratory II: Data Structures and RDBMS	4	20	80	100	0	0	0
23	BCA4C07	E-Commerce	3	15	60	75	5	0	5
24	BCA4C08	Computer Graphics	3	15	60	75	5	0	5
<b>Total</b>			<b>21</b>			<b>525</b>	<b>21</b>	<b>4</b>	<b>25</b>
<b>Semester V</b>									
No	Course Code	Course Name	Credit	Marks			Hrs/wk		
				I	E	T	L	P	T
25	BCA5B07	Computer Organization and Architecture	3	15	60	75	4	0	4
26	BCA5B08	Java Programming	3	15	60	75	3	3	6
27	BCA5B09	Web Programming Using PHP	3	15	60	75	3	3	6
28	BCA5B10	Principles of Software Engineering	3	15	60	75	4	0	4
29	XXX5DXX	Open Course	3	15	60	75	3	0	3
		Industrial Visit							
		Project Work	0				0	2	2
<b>Total</b>			<b>15</b>			<b>375</b>	<b>17</b>	<b>8</b>	<b>25</b>

**List of Open Courses (XXX5DXX)**

No	Course Code	Course Name
29	BCA5D01	Introduction to Computers and Office Automation
29	BCA5D02	Web Designing
29	BCA5D03	Introduction to Problem Solving and C Programming
29	BCA5D04	Introduction to Data Analysis using spread sheet

**Semester VI**

No	Course Code	Course Name	Credit	Marks			Hrs/wk		
				I	E	T	L	P	T
30	BCA6B11	Android Programming	3	15	60	75	4	3	7
31	BCA6B12	Operating Systems	3	15	60	75	4	3	7
32	BCA6B13	Computer Networks	3	15	60	75	5	0	5
33	BCA6B14	Programming Laboratory III: Java and PHP Programming	4	20	80	100	0	0	0
34	BCA6B15	Programming Laboratory IV: Android and Linux shell Programming	4	20	80	100	0	0	0
35	BCA6B16X	Elective Course	3	15	60	75	4	0	4
36	BCA6B17	Industrial Visit & Project Work (Industrial Visit- 1 Credit, Project Work- 2 Credit)	3	20	80	100	0	2	2
<b>Total</b>			<b>23</b>			<b>600</b>	<b>17</b>	<b>8</b>	<b>25</b>

**List of Electives (BCA5B16X)**

No	Course Code	Course Name
35	BCA6B16A	System Software
35	BCA6B16B	Machine Learning
35	BCA6B16C	Software Testing and Quality Assurance

35	BCA6B16D	Technical Writing
35	BCS6B16E	Fundamentals of Life Skill Education





**UNIVERSITY OF CALICUT**

**REGULATIONS**

**BACHELOR OF BUSINESS ADMINISTRATION (BBA) DEGREE**

**PROGRAMME UNDER CUCBCSS-UG-2019**

**REGULATIONS GOVERNING BACHELOR OF BUSINESS ADMINISTRATION (BBA)  
DEGREE PROGRAMME UNDER CUCBCSS-UG-2019**

*(Effective from 2019-2020 Academic year onwards)*

## 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	4	20	80	100
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>19</b>	<b>95</b>	<b>380</b>	<b>475</b>

### Semester - II

Course	Title	Contact Hours	Credits	Internal	External	Total Marks
Common	BBA2A03 English	4	4	20	80	100
Common	BBA2A04 English	5	3	15	60	75
Common	BBA2A08 Language Other than English	5	4	20	80	100
Core	BBA2B02 Financial Accounting	6	4	20	80	100
Core	BBA2B03 Marketing	5	4	20	80	100
<b>Total</b>		<b>25</b>	<b>19</b>	<b>95</b>	<b>380</b>	<b>475</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>

## 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	BBA4C04 Corporate Regulations	5	4	20	80	100
Compl.	BBA4C05 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 Open Course ( 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>



UNIVERSITY OF CALICUT

Abstract

General and Academic- Faculty of Commerce and Management Studies- Regulations, Scheme & Syllabus of B.Com Programme (CBCSS UG 2019) with effect from 2019 Admission onwards - Implemented subject to ratification by the Academic Council - Orders issued.

**G & A - IV - E**

U.O.No. 8445/2019/Admn

Dated, Calicut University.P.O, 29.06.2019

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

2.Item No.I of the minutes of the meeting of the Board of studies in Commerce (UG) held on 20.05.2019.

3.Item No. 2(b) of the minutes of the meeting of the Faculty of Commerce and Management Studies held on 27.05.2019.

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). The Board of Studies in Commerce (UG) in its meeting held on 20.05.2019 resolved vide paper read as (2) to approve the revised Regulations, Scheme and Syllabus of B.Com Programme for affiliated Colleges and SDE with effect from 2019 Admission onwards in accordance with CBCSS UG Regulations 2019.

2. As per paper read as (3), the Faculty of Commerce and Management Studies approved the minutes of the meeting of the Board of Studies in Commerce (UG) held on 20.05.2019.

3.Under these circumstances , considering the exigency, the Vice Chancellor has accorded sanction to implement the Regulations, Scheme and Syllabus of B.Com programme under CBCSS-UG 2019 Regulations w.e.f 2019 admission onwards, subject to ratification by the Academic Council.

4.The following orders are therefore issued;

The Regulations, Scheme & Syllabus of B.Com programme (CBCSS UG 2019) for affiliated Colleges and SDE is implemented w.e.f 2019 Admission onwards, subject to ratification by the Academic Council.

(Scheme & Syllabus appended).

Biju George K

Assistant Registrar

To

- 1.The Principals of affiliated Colleges.
- 2.Director, SDE

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**UNIVERSITY OF CALICUT**

**REGULATIONS GOVERNING BACHELOR OF  
COMMERCE DEGREE PROGRAMME UNDER CBCSSUG  
2019**

**EFFECTIVE FROM ACADEMIC YEAR 2019-20 ADMISSIONS**

## UNIVERSITY OF CALICUT

### REGULATIONS GOVERNING BACHELOR OF COMMERCE DEGREE PROGRAMME UNDER CBCSSUG 2019 EFFECTIVE FROM ACADEMIC YEAR 2019-20 (B.COM ADMISSIONS 2019-20)

#### 1.0 Title of the Programme

This DEGREE shall be called BACHELOR OF COMMERCE (B.Com).

#### 2.0 Eligibility for admission

Any candidate who has passed the Plus Two of the Higher Secondary Board of Kerala or Pre Degree of Calicut University or that of any other University or Board of Examinations in any state recognized as equivalent to the Plus Two of the Higher Secondary Board in Kerala, with not less than 45% marks in aggregate is eligible for admission, However, SC/ST, OBC and other eligible communities shall be given relaxation as per University rules.

#### 3.0 Duration of the programme

The duration of the B.Com programme of study is three academic years with six semesters.

#### 4.0 Medium of Instruction

The medium of instruction and examination shall be English.

#### 5.0 Courses of study

Total number of courses (other than audit courses ) for the whole B.Com Programme is 31. It is divided in to courses namely:-

1. Common courses
2. Core courses
3. Complementary courses and
4. Open courses

The course of study leading to the award of B.Com shall comprise the following:-

#### 5.1 Semester I

Course	Title	Contact Hours	Credits	Internal	External	Total Marks
Common	BCM1A01(English)	4	4	20	80	100
Common	BCM1A02 (English)	5	3	20	80	100
Common	BCM1A07 (Language)	5	4	20	80	100
Core	BCM1B01 Business Management	6	4	20	80	100
Compl.	BCM1C01 Managerial Economics	5	4	20	80	100
	Total	25	19	100	400	500

## Semester II

Course	Title	Contact Hours	Credits	Internal	External	Total Marks
Common	BCM2A03 (English)	4	4	20	80	100
Common	BCM2A04 (English)	5	3	20	80	100
Common	BCM2A08 (Language)	5	4	20	80	100
Core	BCM2B02 Financial Accounting	6	4	20	80	100
Compl.	BCM2C02 Marketing Management	5	4	20	80	100
	Total	25	19	100	400	500

## Semester III

Course	Title	Contact Hours	Credits	Internal	External	Total Marks
Common	BCM3A11 Basic Numerical Methods	5	4	20	80	100
Common	BCM3A12 Professional Business Skills	5	4	20	80	100
Core	BCM3B03-Business regulation	4	4	20	80	100



Core	BCM3B04 Corporate Accounting	6	4	20	80	100
Compl.	BCM3C03 Human Resources Management	5	4	20	80	100
	Total	25	20	100	400	500

#### Semester IV

Course	Title	Contact Hours	Credits	Internal	External	Total Marks
Common	BCM4A13 Entrepreneurship Development	5	4	20	80	100
Common	BCM4A14 Banking and Insurance	5	4	20	80	100
Core	BCM4B05 Cost Accounting	6	4	20	80	100
Core	BCM4B06 Corporate Regulations	4	4	20	80	100
Compl.	BCM4C04 Quantitative Techniques for Business	5	4	20	80	100
	Total	25	20	100	400	500

#### Semester V

Course	Title	Contact Hours	Credits	Internal	External	Total Marks
Core	BCM5B07 Accounting for Management	5	4	20	80	100
Core	BCM5B08 Business Research Methods	4	4	20	80	100
Core	BCM5B09 Income Tax Law and Accounts	5	4	20	80	100
Core	BCM5B10 Course in Specialisation	4	4	20	80	100
Core	BCM5B11 Course in Specialisation	4	4	20	80	100
Open	BCM5D01 Open Course (For students from other Departments)	3	3	10	40	50
	Total	25	23	110	440	550

#### Semester VI

Course	Title	Contact Hours	Credits	Internal	External	Total Marks
Core	BCM6B12 Income Tax and GST	6	4	20	80	100
Core	BCM6B13 Auditing and Corporate Governance	5	4	20	80	100
Core	BCM6B14 Course in Specialisation	5	4	20	80	100
Core	BCM6B15 Course in Specialisation	5	5	20	80	100
Core Project	BCM6B16 (PR) Three Weeks Project and Viva-Voce	4	2	10	40	50
	Total	25	19	90	360	450

**Core Courses in the area of Specialization:**

**A. Finance**

1. Financial Markets and Services
2. Financial Management
3. Fundamentals of Investments
4. Financial Derivatives

**B. Banking and Insurance**

1. Banking Services Management
2. Insurance Management
3. Foreign Exchange Management
4. Risk Management and Insurance

**C. Co - operation**

1. Co-operative Theory and Practice
2. Legal Environment For Co-operatives
3. International Co-operative Movement
4. Co-operative Management and Administration

**D. Computer Applications**

1. Computer Applications in Business
2. Business Information Systems
3. Office Automation Tools
4. Computerized Accounting with Tally

**E. Travel and Tourism**

1. Tourism Principles And Practices
2. Tourism Product And Promotion
3. Tourist Transport And Tour Operation
4. Hospitality Management

**F. Islamic Finance**

1. Introduction to Islamic Commercial Banking
2. Fundamentals of Islamic Commercial Law
3. Foundations of Islamic Accounting Theory and Practice
4. Islamic Investment Funds and Insurance

**Open Courses (For students from other departments)**

1. E- Commerce
2. Basics of Entrepreneurship and Management
3. Basic Accounting

5.2 **Four Common Courses** (BCM3A11 Basic Numerical Skills, BCM3A12 General Informatics, BCM4A13 Entrepreneurship Development BCM4A14 Banking and Insurance), all the Core Courses, Complementary and Open Courses for B.Com Programme shall be taught by Commerce Faculty only. However, the core courses under the specialization Islamic Finance shall be taught by Commerce Faculty or teachers having M.A Islamic Finance or M.A Islamic Economics or M.A Economics with Islamic Finance qualifications.

## 19. Project Report

19.1 For doing the project, the student may choose any topic areas from the subjects he/she has studied.

19.2 The candidate shall prepare and submit a project report to the Department.

19.3 The report shall be in English with not less than 30 pages, printed or typed (A4 size paper, 1.5 line spacing, Times New Roman font, font size 14) and spiral bound.

The project report should be submitted to the Head of the Department one week before the last working day of the sixth semester, duly certified by the Guide.

19.4 Project work shall have the following stages:

- Project proposal presentation
- Field work and data analysis
- Report writing
- Draft project report presentation
- Final project report submission

19.5 The project can be done individually or as a group of three students (maximum) on the same topic and present the report. However, the project supervisor should make sure that each student constructively contributes to the completion of the project. For this purpose the supervisor shall keep a diary in which the chronological record of the students visit to the supervisor for the project discussions shall be maintained. The work of each student shall be guided by one Faculty member.

19.6 The candidate shall prepare at least two copies of the report; one copy for submission to the Department and another 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 ask for.

19.7 Duration of project work: The duration of the project work shall be 3 weeks.

19.8 A certificate showing the duration of the project work shall be obtained from the supervising teacher or from the organization for which the project work was done and it shall be included in the project report.

19.9 Structure of the report

Title page



UNIVERSITY OF CALICUT

**Abstract**

General and Academic - Faculty of Language and Literature - Syllabus of BA Functional English Programme under CBCSS UG Regulations 2019 with effect from 2019 Admission onwards - Implemented- Orders Issued.

**G & A - IV - B**

U.O.No. 8615/2019/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 Functional English held on 11/06/2019.  
3. Minutes of the meeting of the Faculty of Language and Literature held on 17/06/2019(item no IV b)

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 Functional English(SB) held on 11/06/2019 has approved the Syllabus of BA Functional English Programme in tune with new CBCSS UG Regulation 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 the minutes of the meeting of the Board of Studies in Functional English (SB) held on 11/06/2019, vide paper read third above.

Under these circumstances , considering the urgency, the Vice Chancellor has accorded sanction to implement the Scheme and Syllabus of BA Functional English 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.

Sanction is therefore accorded for implementing the Scheme and Syllabus of BA Functional English Programme in accordance with new 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  
Copy to: PS to VC/PA to PVC/ PA to Registrar/PA to CE/JCE I/JCE II/EX IV and EG  
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# UNIVERSITY OF CALICUT

**BA FUNCTIONAL ENGLISH PROGRAMME**



*Under*

**Choice Based Credit and Semester  
System for Under Graduate  
Curriculum 2019  
(CBCSSUG 2019)**

**(2019 Admissions Onwards)**

## 1. Core Courses

Sl. No	Code	Title	Hrs/week	Credit	Sem.
1	FEN1B01	Communication Skills in English	6	5	1
2	FEN2B02	Advanced English Grammar	6	4	2
3	FEN3B03	Language and Technology	4	4	3
4	FEN3B04	Applied Phonetics	5	4	3
5	FEN4B05	Fundamentals of Linguistics	5	4	4
6	FEN4B06	Business English	5	4	4
7	FEN5B07	Translation Studies	5	4	5
8	FEN5B08	Print Media	5	4	5
9	FEN5B09	Theatre for Communication	5	4	5
10	FEN5B10	Contemporary Literary Theory	5	4	5
11	FEN6B11	English Language Teaching	5	4	6
12	FEN6B12	Electronic Media	5	4	6
13	FEN6B13	Creative Writing	5	4	6
14	FEN6B14	Film Studies	5	4	6
15	FEN6B15	Elective 1 – Language for Advertising : Theory and Practice Or	3	4	6
16	FEN6B16	Elective 2 – Women Studies			
17	FEN6B17	Project	2	2	5&6
Total				63	

## 2. Complementary Courses

Complementary Courses provide learners with openings to disciplines ancillary to core Courses. They give opportunities to explore areas contiguous to Functional English and also of reciprocal interest. They enable the students to broaden and enrich the knowledge and skill they acquire studying functional English. The two Complementary Courses are **Literatures in English** and **Cultural Studies**. They are **Type I** and **Type II** respectively and colleges have the freedom to choose either of them to be **Type I** or **Type II**

SL No	Code	Title	Hrs/week	Credit	Semester
1	FEN1(2)CO1	<b>Literatures in English:</b> From Chaucer to the Present	6	4	1/2
2	FEN4(3)CO1	<b>Literatures in English:</b> American & Post Colonial	6	4	3/4
3	FEN1(2)CO2	<b>Cultural Studies:</b> Perspectives in Culture	6	4	1/2
4	FEN4(3)CO2	<b>Cultural Studies:</b> Cultural Spaces	6	4	3/4

## 3. Open Courses

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. The course has 2 credits and it comes in the 5th semester.

SL No	Code	Title	Hrs/week	Credit	semester
1	FEN5DO1	<b>English for Competitive Examinations</b>	2	3	5
2	FEN5DO2	<b>Language for advertising: theory and practice</b>			
3	FEN5DO3	<b>Language for professional Success</b>			

## 4. Internal Assessment Framework\*



UNIVERSITY OF CALICUT

**Abstract**

General and Academic- Faculty of Humanities- Scheme and Syllabus of I and II semester BA History Programme (including Dual Core) under CBCSS UG Regulation 2019 with effect from 2019 Admission onwards - Implemented- Orders Issued

**G & A - IV - B**

U.O.No. 8479/2019/Admn

Dated, Calicut University.P.O, 30.06.2019

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

2.Minutes of the meeting of the Board of Studies in History-UG held on 15.06.2019 ( Item no.1)

3.Minutes of the meeting of the Faculty of Humanities held on 19.06.2019 (Item No.27)

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 History UG held on 15.06.2019, vide Item no.1 of the minutes has approved the Scheme and Syllabus of I and II semester BA History Programme in tune with new CBCSS UG Regulation with effect from 2019 Admission onwards, vide paper read second above.

The Faculty of Humanities, at its meeting held on 19.06.2019 has approved the minutes of the meeting of the Board of Studies in History-UG held on 15.06.2019 vide paper read third above.

Under these circumstances ,considering the urgency, the Vice Chancellor has accorded sanction to implement the Scheme and Syllabus of I and II semester of BA History Programme (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 to implement the Scheme and Syllabus of I and II semester of BA History Programme (including Dual Core) in accordance 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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**CHOICE BASED CREDIT AND SEMESTER SYSTEM FOR  
UNDER GRADUATE (UG) PROGRAMME**

**UNIVERSITY OF CALICUT**



**For**

**BA HISTORY**

*Under*

**Restructured Curriculum and Syllabi**

**As per CBCSS**

**UG Regulations (2019)**

**(2019 Admissions Onwards)**

**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 HISTOICAL 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>

**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

**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

**ELECTIVE COURSES**

(4 courses)

Sl. No	Code	Title	Contact Hours	Semester	Credit
1	HIS6 B16	HISTORY OF ARCHAEOLOGY IN INDIA	3	VI	3
2	HIS6 B17	HISTORY OF EPIGRAPHY IN INDIA	3	VI	3
3	HIS6 B18	ORAL HISTORY	3	VI	3
4	HIS6 B19	HISTORY OF HUMAN RIGHTS	3	VI	3

**DUAL CORE (Double Main)**

For Double Main Programmes, there should be the following Core Courses, 10 Common Courses and 1 Open Course (from any other departments) . The code for History Double Main will be same as that of the core courses, i.e., HIS- B-- . There are no Complementary Courses for Double Main.

Sl. No	Code	Title	CONTACT HOURS	SEMESTER	CREDIT
1	HIS1B01	TRENDS IN HISTORIOGRAPHY	6	I	5
2	HIS2B02	TRENDS IN INDIAN HISTORIOGRAPHY	6	II	5
3	HIS3B04	INDIAN HISTORY- 1	4	III	4
4	HIS4B06	INDIAN HISTORY- 2	5	IV	4
5	HIS4 B20	GENDER STUDIES	5	IV	4
6	HIS5B08	INDIAN HISTORY- 3	5	V	4
7	HIS5B09	KERALA HISTORY-1	5	V	4
8	HIS6B11	INDIAN HISTORY- 4	5	VI	4
9	HIS6B12	KERALA HISTORY- 2	5	VI	4
		TOTAL			38
	HIS6B15	*DISSERTATION	4	VI	3

\*Dissertation / Project can be chosen from either of the two core courses.



UNIVERSITY OF CALICUT

**Abstract**

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

**G & A - IV - B**

U.O.No. 8480/2019/Admn

Dated, Calicut University.P.O, 30.06.2019

- Read:-*1. UO. No. 4368/2019/Admn Dated 23.03.2019  
2. Minutes of the meeting of the Board of Studies in Political Science - UG held on 05.04.2019 ( Item No.1)  
3. Minutes of the meeting of Faculty of Humanities held on 19.06.2019 (Item No.15)

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 Board of Studies in Political Science-UG in its meeting held on 05.04.2019 vide Item no.1 has approved the Syllabus of BA Political Science Programme in tune with the new CBCSS UG Regulation implemented with effect from 2019 Admission onwards, vide paper read second above.

The Faculty of Humanities at its meeting held on 19.06.2019 vide Item no.15 has approved Item no. 1 of the minutes of the meeting of the Board of Studies in Political Science-UG held on 05.04.2019, vide paper read third above.

Under these circumstances, considering the urgency, the Vice Chancellor has accorded sanction to implement the Scheme and Syllabus of BA Political Science Programme in accordance with the new CBCSS UG Regulation 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 Political Science Programme 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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**CHOICE BASED CREDIT AND SEMESTER SYSTEM (CBCSS)  
FOR UNDER GRADUATE (UG) PROGRAMME**

**UNIVERSITY OF CALICUT**



For

**BA POLITICAL SCIENCE**

*Under*

**Restructured Curriculum and Syllabi**

**As per CBCSS**

**UG Regulations (2019)**

**(2019 Admissions Onwards)**

20	Complementary – 1	6	4
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### Semester 5

21	Core course - 7	5	4
22	Core course -8	5	4
23	Core course – 9	5	4
24	Core course -10	5	4
25	Open course	3	3
26	Project	2	*
	<b>Total</b>	25	19

### Semester 6

31	Core course – 11	5	4
32	Core course -12	5	4
33	Core course – 13	5	4
34	Core course -14	5	4
35	Elective course	3	3
36	Project	2	2
	<b>Total</b>	25	21

Total Credits: 120

## Under Graduate Programme in Political Science

### I. Core Courses

Semester wise Details of Core Courses recommended by Board of Studies in Political Science (UG)

#### Details of Core courses and Code of Courses

#### BA Political Science

Name of Semester	Course Code	Name of the Core Course
------------------	-------------	-------------------------

I Core course I	POL1BO1	Foundations of Political Science
II Core course II	POL2BO2	Concepts of Political Science
III Core course III	POL3BO1	Indian Government and Politics
III Core course IV	POL3BO2	World Constitutions: Comparative Analysis
IV Core course V	POL4BO1	Ancient & Medieval Political Thought
IV Core course VI	POL4BO2	Issues in Indian Politics
V Core course VII	POL5BO1	Research Methodology
V Core course VIII	POL5BO2	Modern Western Political Thought.
V Core course IX	POL5BO3	State, Society & Political Process in Kerala
V Core course X	POL5BO4	Introduction to International Politics
VI Core course XI	POL6BO1	Modern Indian Political Thought
VI Core course XII	POL6BO2	India's Foreign Policy
VI Core course XIII	POL6BO3	Issues in International Politics
VI Core course XIV	POL6BO4	Introduction to Public Administration

## **II (A) Elective Courses (VIth Semester)**

(Select any one course)

Elective Course I	POL6 B 05	Human Rights
Elective Course II	POL6 B 06	Development Administration
Elective Course III	POL6 B 07	International Organisation & Administration

## **II (B) Open Courses (Vth Semester)**

**For Students from other Streams.**

(Select any one Course)

Open Course I	POL5 D01	Indian Government and Politics
Open Course II	POL5 D02	Human Rights in India.
Open Course III	POL5 D03	International Organisation and Administration.



### **III Complementary Courses for other UG Programmes**

#### **Complementary Course Model I**

POL 1 (2)CO1 Political Science: Introduction to Political Science and Governmental Structures and Processes

POL 4(3) CO2 Political Science: Political Ideas, Concepts and Ideologies

#### **Complementary Course Model II**

ICP1(2) CO1 Indian Constitution and Politics: Basic Features and Governmental Structures

ICP4(3) CO2 Indian Constitution and Politics: Federalism, Decentralisation and Political Dynamics

#### **Complementary Course Model III**

IPO1(2) CO1: International Politics and Organisation: Introduction and Concepts..

IPO4(3) CO2: International Politics And Organisation: Organisations and Contemporary Issues

.

#### **Complementary Course Model IV**

PUA1(2)CO1: Public Administration: Introduction and Basic Concepts

PUA 4(3)CO2: Public Administration: Personnel, Financial and Indian Administration

Note: Colleges can opt any one of the model (Complementary) for their entire course.

However, the Colleges shall continue to opt their course, equivalent to their subsidiary papers now offering

### **BA POLITICAL SCIENCE (Core Courses)**

#### **Core Course I - POL1BO1 Foundations of Political Science**

This course introduces fundamentals of Political Science, its history and approaches, and an assessment of its critical and contemporary trends. This course aims to introduce certain key aspects of conceptual analysis in Political Science and the skills required to engage in debates surrounding the application of the concepts

#### **Module I**

#### **Nature of Political Science:**

# UNIVERSITY OF CALICUT

## **BA SOCIOLOGY SYLLABUS**

*Under*

**Choice Based Credit and Semester System for  
Under Graduate Curriculum 2019**

**(CBCSSUG 2019)**

*for*

**BA Sociology Degree Programme**

**(Pattern I and Pattern II)**

**(2019 Admissions Onwards)**

## Distribution of Core Courses

Pattern I (Single Core)			Pattern II (Dual Core)	
Sem.	Course & Code	Credit	Course & Code	Credit
I	SGY1B01: BASICS OF SOCIOLOGY	4	SGY 1B01: BASICS OF SOCIOLOGY	4
II	SGY2B02: INDIAN SOCIETY: STRUCTURE AND TRANSFORMATION	4	SGY2 B02: INDIAN SOCIETY: STRUCTURE AND TRANSFORMATION	4
III	SGY3B03: SOCIOLOGICAL THEORY: AN INTRODUCTION	4	SGY3 B03: SOCIOLOGICAL THEORY: AN INTRODUCTION	4
	SGY3B04: SOCIAL STRATIFICATION AND INEQUALTY	4		
IV	SGY4B05: INTRODUCTION TO SOCIAL RESEARCH	4	SGY4 B.05: INTRODUCTION TO SOCIAL RESEARCH	4
	SGY4B06: SOCIOLOGY OF KERALAM	4	SGY4 B06: SOCIOLOGY OF KERALAM	4
V	SGY5B07: SOCIAL ANTHROPOLOGY	5	SGY5 B07: SOCIAL ANTHROPOLOGY	5
	SGY5B08: SOCIOLOGY OF RURAL AND URBAN SOCIETIES	4	SGY5 B08: SOCIOLOGY OF RURAL AND URBAN SOCIETIES	4
	SGY5B09: WOMEN IN CONTEMPORARY SOCIETY	4		
	SGY5B10 ENVIRONMENT AND SOCIETY	4		
VI	SGY6B11 INVITATION TO SOCIOLOGICAL THEORY	4	SGY6B11 INVITATION TO SOCIOLOGICAL THEORY	4
	SGY6B12 SOCIAL PSYCHOLOGY	4		
	SGY6B13 POPULATION STUDIES	4		
	SGY6B14 POLITICAL SOCIOLOGY	4		
	<b>ELECTIVE CORE (Choose any one)</b> <b>SGY6 B.15: LIFE SKILL EDUCATION /</b> <b>SGY 6B.16: SOCIAL INFORMATICS/</b> <b>SGY 6B.17:MASS MEDIA AND SOCIETY</b>	4	<b>ELECTIVE CORE(Choose any one)</b> <b>SGY6 B20:CRIME AND SOCIETY/</b> <b>SGY 6B21: SOCIOLOGICAL</b> <b>PERSPECTIVES OF DEVELOPMENT /</b> <b>SGY 6B22: EDUCATIONAL SOCIOLOGY</b>	<b>5</b>
<b>OPEN COURSE</b>				
V	SGY5 D01: LIFE SKILL DEVELOPMENT/ SGY5D02: KERALA SOCIETY:STRUCTURE AND TRANSFORMATION SGY5D03: BASICS OF DISASTER MANAGEMENT	3	SGY5 D01: LIFE SKILL DEVELOPMENT SGY5D02: KERALA SOCIETY:STRUCTURE AND TRANSFORMATION SGY5D03: BASICS OF DISASTER MANAGEMENT	3
<b>PROJECT / SUBSTITUTING METHODOLOGY COURSE</b>				
VI	SGY6 B18: PROJECT WORK SGY6B19: PROJECT: PLANNING AND MANAGEMENT	2	SGY6 B23: PROJECT WORK	<b>3</b>

**1 LIST OF CORE COURSES FOR B.A. PROGRAMME IN SOCIOLOGY SINGLE  
MAIN PROGRAMME (PATTERN I) AND SDE**

**CORE COURSES**

**SEMESTER I (First Year)**

SGY1B01: BASICS OF SOCIOLOGY

Hrs. /Week: 6. No. of credits: 4

**SEMESTER II (First Year)**

SGY2B02: INDIAN SOCIETY: STRUCTURE AND TRANSFORMATION

Hrs. /Week: 6. No. of credits: 4

**SEMESTER III (Second Year)**

SGY3B03: SOCIOLOGICAL THEORY: AN INTRODUCTION

Hrs. /Week: 4. No. of credits: 4

SGY3B04: SOCIAL STRATIFICATION AND INEQUALITY

Hrs. /Week: 5. No. of credits: 4

**SEMESTER IV (Second Year)**

SGY4B05: INTRODUCTION TO SOCIAL RESEARCH

Hrs./Week: 5. No. of credits: 4

SGY4B06: SOCIOLOGY OF KERALAM

Hrs. /week: 4. No. of credits: 4

**SEMESTER V (Third Year)**

SGY5B07: SOCIAL ANTHROPOLOGY

Hrs. /Week: 6. No. of credits: 5

SGY5B08: SOCIOLOGY OF RURAL AND URBAN SOCIETIES

Hrs. /Week: 5. No. of credits: 4

SGY5B09: WOMEN IN CONTEMPORARY SOCIETY

Hrs. /Week: 5. No. of credits: 4

SGY5B10: ENVIRONMENT AND SOCIETY

Hrs. /Week: 5. No. of credits: 4

**SEMESTER VI (Third Year)**

SGY6B11: INVITATION TO SOCIOLOGICAL THEORY

Hrs. /Week: 5. No. of credits: 4

SGY6B12: SOCIAL PSYCHOLOGY

Hrs. /Week: 5. No. of credits: 4

SGY6B13: POPULATION STUDIES

Hrs. /Week: 4. No. of credits: 4

SGY6B14: POLITICAL SOCIOLOGY

Hrs. /Week: 4. No. of credits: 4

**ELECTIVE CORE COURSE (Choose any one)**

1) SGY6B15: LIFE SKILL EDUCATION

Hrs. /Week: 4. No. of credits: 4

2) SGY6B16: SOCIAL INFORMATICS

Hrs. /Week: 4. No. of credits: 4

3) SGY6B17: MASS MEDIA AND SOCIETY

Hrs. /Week: 4. No. of credits: 4

**SEMESTER V &VI (Third Year)**

SGY6B18: PROJECT WORK / SGY6B19 PROJECT: PLANNING AND MANAGEMENT

Hrs. /Week: 2 each in 5th and 6th Semesters. No. of credits: 2

CREDIT DISTRIBUTION FOR PATTERN I (Single Core) and SDE

Sem.	Common Courses		Core	Complimentary	Open	Project/Methodology Course	Total
	English	Add. Language					
I	4(A1)+3 (A2)	4 (A7)	4	4			19
II	4 (A3)+3(A4)	4(A8)	4	4			20
III	4 (A5)	4 (A9)	4+4	4			20
IV	4 (A6)	4 (A10)	4+4	4			20
V			5+4+4+4		3		20
VI			4+4+4+4+4*			2	22
Total	22	16	61	16	3	2	120

*\*Elective Core Course*

**Detailed break up of courses is presented in table 1.1 to 1.6**

Table 1.1 Scheme of BA Sociology Programme Semester I (Pattern I) / SDE

Course	Course Code	Title of the Course	Hours per week	Credits	Maximum Marks		
					IE	EE	Total
Common English	A01		4	3	20	80	100
Common English	A02		5	3	20	80	100
Add. Language	A07(1)		4	4	20	80	100
Core Course Sociology	SGY1 B01	BASICS OF SOCIOLOGY	6	4	20	80	100
*Complementary Type I Course 1			6	4	20	80	100

IE- Internal Examination, EE-External Examination

Complimentary Course: As per Type I and Type II choice

Table 1.2. Scheme of BA Sociology Programme Semester II (Pattern I) / SDE

Course	Course Code	Title of the Course	Hours per week	Credits	Maximum Marks		
					IE	EE	Total
Common English	A03		5	4	20	80	100
Common English	A04		4	4	20	80	100
Add. Language	A08(2)		4	4	20	80	100
Core Course Sociology	SGY2B02	INDIAN SOCIETY: STRUCTURE AND TRANSFORMATION	6	4	20	80	100
*Complementary Type II Course 1			6	4	20	80	100

IE- Internal Examination, EE-External Examination

Complimentary Course: As per Type I and Type II choice

**Table 1.3 Scheme of BA Sociology Programme Semester III (Pattern I) / SDE**

Course	Course Code	Title of the Course	Hours per week	Credits	Maximum Marks		
					IE	EE	Total
Common English	A05		5	4	20	80	100
Addl. Language	A09		5	4	20	80	100
Core Course Sociology	SGY3B03	SOCIOLOGICAL THEORY: AN INTRODUCTION	4	4	20	80	100
Core Course Sociology	SGY3B04	SOCIAL STRATIFICATION AND INEQUALITY	5	4	20	80	100
*Complementary Type II Course II			6	4	20	80	100

IE- Internal Examination, EE-External Examination

Complimentary Course: As per Type I and Type II choice

**Table 1.4 Scheme of BA Sociology Programme Semester IV (Pattern I) / SDE**

Course	Course Code	Title of the Course	Hours per week	Credits	Maximum Marks		
					IE	EE	Total
Common English	A06		5	4	20	80	100
Addl. Language	A10		5	4	20	80	100
Core Course Sociology	SGY4B05	INTRODUCTION TO SOCIAL RESEARCH	5	4	20	80	100
Core Course Sociology	SGY4B06	SOCIOLOGY OF KERALAM	4	4	20	80	100
*Complementary Type I Course II			6	4	20	80	100

IE- Internal Examination, EE-External Examination Core Course-Sociology

Complimentary Course: As per Type I and Type II choice

**Table 1.5 Scheme of BA Sociology Programme Semester V (Pattern I) / SDE**

Course	Course Code	Title of the Course	Hours per week	Credits	Maximum Marks		
					IE	EE	Total
Core Course Sociology	SGY5B07	SOCIAL ANTHROPOLOGY	5	5	20	80	100
Core Course Sociology	SGY5B08	SOCIOLOGY OF RURAL AND URBAN SOCIETIES	5	4	20	80	100
Core Course Sociology	SGY5B09	WOMEN IN CONTEMPORARY SOCIETY	5	4	20	80	100
Core Course Sociology	SGY5B10	ENVIRONMENT AND SOCIETY	5	4			
Open Course		Can be selected from any other department	3	3	20	80	100
Project Work/ Substituting Theory	SGY6B18 : PROJECT WORK SGY6B19: PROJECT: PLANNING		2				

Course	AND MANAGEMENT					
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A compulsory **study tour** is recommended as part of the paper entitled "Social Anthropology" in the Fifth Semester and the tour report should be submitted to the Head of the Department soon after the tour.

**Table 1.6 Scheme of BA Sociology Programme Semester VI (Pattern I) / SDE**

Course	Course Code	Title of the Course	Hours per week	Credits	Maximum Marks		
					IE	EE	Total
Core Course Sociology	SGY6B11	INVITATION TO SOCIOLOGICAL THEORY	5	4	20	80	100
Core Course Sociology	SGY6B12	SOCIAL PSYCHOLOGY	5	4	20	80	100
Core Course Sociology	SGY6B13	POPULATION STUDIES	4	4	20	80	100
Core Course Sociology	SGY6B14	POLITICAL SOCIOLOGY	5	4			
Elective Core Sociology (any one from the set of 3 Courses)	SGY6B15: LIFE SKILL EDUCATION/ SGY6B16: SOCIAL INFORMATICS/ SGY6B17: MASS MEDIA AND SOCIETY		4	4			
Project Work/ Substituting Theory Course	SGY6B18 SGY6B19	PROJECT WORK  PROJECT: PLANNING AND MANAGEMENT	2	2			

IE- Internal Examination, EE-External Examination





**UNIVERSITY OF CALICUT  
G & A - IV - J**

No. 153726/GA - IV - J1/2019/Admn

Calicut University.P.O

Dated: 20.08.2019

From

The Registrar

To

Members,  
Board of Studies in B.Voc Agriculture.

Sir,

Sub:- Minutes of the Meeting of the Board of Studies in B.Voc Agriculture held on 19.08.2019-  
Circulated-Reg.

Ref:- Minutes of the meeting of Board of Studies in B.Voc Agriculture held on 19.08.2019.

While forwarding herewith a copy of the minutes under reference, I am to request you to forward your dissent/assent to the undersigned on or before 25.09.2019 otherwise the minutes will be considered as approved.

Encl: 1) Minutes under reference

2) Syllabus of B.Voc in Agriculture

Yours faithfully

**Ajitha P.P**  
Joint Registrar  
(For The Registrar)

## UNIVERSITY OF CALICUT

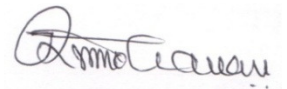
Minutes of the meeting of the Board of Studies in B. Voc. Agriculture held on 19-08-2019 at 10.30 am in the AD block of the University.

### Members present:

- |                     |      |
|---------------------|------|
| 1. Dr. K.V. Mohanan | sd/- |
| 2. Abdul Bari K.K.  | sd/- |

### Proceedings:

1. The meeting discussed and approved the syllabus of B. Voc. Agriculture of the University.
2. The meeting resolved to make the syllabus applicable from 2018-19 admission onwards since the course had been already started under the University in 2018-19.
3. The meeting resolved to get the minutes approved by circulation since there was lack of quorum in the meeting.
4. The meeting came to a close by 12.30 pm.



Dr. K.V. Mohanan  
Chairman

## 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	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	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	4	4	20	80	100
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>
<b>Semester IV</b>							
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	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>
<b>Semester V</b>							
5.1	GEC5EM13	Environmental Microbiology and Biotechnology	4	4	20	80	100
5.2	GEC5FD14	Food and Dairy Microbiology	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>
<b>Semester VI</b>							
6.1	SDC6AG22	Major Internship/Main Project and Dissertation		30		700	700
<b>Total</b>				<b>30</b>		<b>700</b>	<b>700</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>2220</b>	<b>2800</b>
<b>Grand Total</b>				<b>180</b>	<b>660</b>	<b>3340</b>	<b>4200</b>

# UNIVERSITY OF CALICUT



DEGREE OF  
BACHELOR OF VOCATION (B.VOC)  
IN

**ACCOUNTING AND TAXATION**

UNDER THE  
FACULTY OF COMMERCE  
SYLLABUS

(FOR THE STUDENTS ADMITTED FROM THE ACADEMIC YEAR 2018–19ONWARDS)

THENHIPALAM, CALICUT UNIVERSITY P.O  
KERALA, 673635, INDIA

**BACHELOR OF VOCATION  
(ACCOUNTING & TAXATION)**

**Programme Structure**

SEMESTER I									
NSQF Level 4									
C. No	Course Code	Course Name	Credit	Marks			Hrs/wk		
				Int	Ext	Tot	T	P	Tot
1.1	GEC1EG01	A01 Transactions essential English Language skills	4	20	80	100	60		60
1.2	GEC1ML02	MAL1A01(2) Malayalam - Bhashayum Sahithyavum-I	4	20	80	100	60		60
	GEC1HD02	A07(3) – Prose and One Act plays							
1.3	GEC1BM03	( BC1B01) Business Management	4	20	80	100	60		60
1.4	SDC1AT01	Principles of Taxation	4	20	80	100	60		60
1.5	SDC1AT02	Financial Accounting	5	20	80	100	75		75
1.6	SDC1AT03(P)	Office Automation Tools - Lab and Communicative English	3 2	20	80	100		75	75
1.7	SDC1AT04(P)	Financial Accounting using Tally - Lab	4	20	80	100		60	60
<b>Semester I Total</b>			<b>30</b>			<b>700</b>	<b>315</b>	<b>135</b>	<b>450</b>
<b>Job Roles with QP Codes :</b>		<b>Aligned :</b> BSC/Q0301 Business Correspondent / Business Facilitator SSC/Q 2212 Domestic Data Entry Operator BSC / Q 1001 Accounts Executive (Recording and Reporting)							
		<b>Not Aligned</b> Account Assistant using Tally							
SEMESTER II									
C.	Course Code	Course Name	Cre	Marks			Hrs/wk		

No			dit	Int	Ext	Tot	T	P	Tot
2.1	GEC2EG04	A02 Ways with words: Literature in English	4	20	80	100	60		60
2.2	GEC2ML05 GEC2HD05	MAL2A02(2) Malayalam-Bhashayum Sahithyavum-II A09 (3) – Poetry and short stories	4	20	80	100	60		60
2.3	GEC2BN06	(BC3A11) Basic Numerical Skills	4	20	80	100	60		60
2.4	SDC2AT05	Direct Taxation I	4	20	80	100	60		60
2.5	SDC2AT06	Cost Accounting	5	20	80	100	75		75
2.6	SDC2AT07(P)	Cost Accounting - Lab and Bank Test Coaching	3 2	20	80	100		75	75
2.7	SDC2AT08(Pr)	Mini project / Internship	4	0	100	100		60	60
<b>Semester II Total</b>			<b>30</b>			<b>700</b>	<b>315</b>	<b>135</b>	<b>450</b>
<b>Job Roles with QP Codes :</b>	<b>Aligned :</b> BSC / Q1201 Accounts Executive (Payroll) BSC/Q 1101 Accounts Executive <b>Not Aligned</b> Assistant Cost Analyst Assistant Cost Accountant								
<b>SEMESTER III</b>									
C. No	Course Code	Course Name	Credit	Marks			Hrs/ wk		
				Int	Ext	Tot	T	P	Tot
3.1	GEC3EG07	A03 Writing for Academic and Professional Success	4	20	80	100	60		60
3.2	GEC3BR08	(BC3B03) Business Regulations	4	20	80	100	60		60
3.3	SDC3AT09	Organizational Behaviour and Communication	4	20	80	100	60		60
3.4	SDC3AT10	Direct Taxation II	4	20	80	100	60		60
3.5	SDC3AT11	Management Accounting, Budgeting & Forecasting	5	20	80	100	75		75
3.6	SDC3AT12 (P)	Direct Taxation: TDS Return Filing Lab	4	20	80	100		60	60

3.7	SDC3AT13(P)	Financial analysis and Budget preparation & PSC Coaching	3 2	20	80	100		75	75
<b>Semester III Total</b>			<b>30</b>			<b>700</b>	<b>315</b>	<b>135</b>	<b>450</b>
<b>Job Roles with QP Codes :</b>	<b>Aligned :</b>								
	BSC/Q 0901 Accounts Executive (Accounts Payable and Receivable) MEP/Q0202 Office Assistant BSC/Q 1101 Accounts Executive BSC/Q 0910 Assistant Commercial Tax Practitioner BSC / N 1102 -TDS compliance								
<b>Not Aligned :</b>									
Assistant Financial Analyser Assistant Tax Consultant Assistant Tax Accountant									
<b>SEMESTER IV</b>									
<b>NSQF Level 6</b>									
C. No	Course Code		Credit	Marks			Hrs/wk		
				Int	Ext	Tot	T	P	Tot
4.1	GEC4EG09	04 Zeitgeist: Reading on Society and culture	4	20	80	100	60		60
4.2	GEC4ED10	(BC4A13 )Entrepreneurship Development	4	20	80	100	60		60
4.3	SDC4AT14	Indirect Taxation	4	20	80	100	60		60
4.4	SDC4AT15	Auditing and Corporate Governance	4	20	80	100	60		60
4.5	SDC4AT16 E1/E2	E1 –NRI Banking & Foreign Exchange Management/ E2 - Risk Management and Insurance	5	20	80	100	75		75
4.6	SDC4AT17(P)	Indirect Taxation- GST and Bank Test Coaching	3 2	20	80	100		75	75
4.7	SDC4AT18(Pr)	Mini project /Internship (One month internship for Audit Practices )	4	0	100	100		60	60
<b>Semester IV Total</b>			<b>30</b>			<b>700</b>	<b>315</b>	<b>135</b>	<b>450</b>



<b>Job Roles with QP Codes :</b>	<p><b>Aligned :</b></p> <p>BSC/Q 1101 Accounts Executive (Statutory Compliance)</p> <p>BSC / N 1101 - Service Tax compliance</p> <p>BSC/Q0910 Goods &amp; Services Tax (GST) Accounts Assistant(Finance and A/cs)</p> <p>BSC/Q 2203 Front Desk Officer - Financial Institutions</p> <p>BSC/Q 0910 Goods &amp; Services Tax (GST) Accounts Assistant</p> <p><b>Not Aligned :</b></p> <p>Tax Consultant</p> <p>Risk Analyser</p> <p>Entrepreneurship Consultant</p> <p>Auditing Assistant</p> <p>Auditing Associate</p>
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**SEMESTER V**

C. No	Course Code	Course Name	Credit	Marks			H rs/ wk		
				Int	Ext	Tot	T	P	Tot
5.1	GEC5HR11	(BC3C03)Human Resource Management	4	20	80	100	60		60
5.2	SDC5AT19	Marketing Management	4	20	80	100	60		60
5.3	SDC5AT20	Quantitative Techniques for Business	4	20	80	100	60		60
5.4	SDC5AT21 E3 / E4	E3: Corporate Taxation and Tax Planning E4 : Corporate Accounting	5	20	80	100	75		75
5.5	SDC5AT22 E5 / E6	E5 - Business Research Methods E6- Capital Marketing	4	20	80	100	60		60
5.6	SDC5AT23 (P)	Digital Marketing and PSC Coaching	3 2	20	80	100		75	75
5.7	SDC5AT24 (P) E7 / E8	E7 : Case Study : Business Research Methods E8 : Capital Marketing Operations (Stock Exchange)	4	20	80	100		60	60
<b>Semester V Total</b>			<b>30</b>			<b>700</b>	<b>315</b>	<b>135</b>	<b>450</b>

<b>Job Roles with QP Codes :</b>	<b>Aligned :</b>								
	SSC/Q2501 Associate-Recruitment (HR) SSC/Q2502 Associate-HRO BSC/Q 0201 Equity Dealer (Capital market) BSC/Q1201 Senior Accountant								
<b>Job Roles with QP Codes :</b>	<b>Not Aligned :</b>								
	Online Share Trader Research Assistant Market Analyst Online Marketing Executive								
<b>SEMESTER VI</b>									
<b>NSQF Level 7</b>									
C. No	Course Code	Course Name	Cre dit	Marks			Hrs		
				Int	Ext	Tot	T	P	Tot
6.1	SDC6AT25(Pr)	Internship & Project (900 hrs.)	30	0	100	100		900	900
<b>Semester VI Total</b>			<b>30</b>			<b>100</b>			<b>900</b>
<b>Grant Total</b>			<b>180</b>			<b>3600</b>			<b>3150</b>
<b>Job Roles with QP Codes :</b>	<b>Aligned :</b>								
	BSC/Q1201 Senior Accountant BSC/Q 0201 Equity Dealer (Capital market) BSC/Q 1101 Accounts Executive (Statutory Compliance) BSC / Q 1001 Accounts Executive (Recording and Reporting) SSC/Q2502 Associate-HRO								
<b>Job Roles with QP Codes :</b>	<b>Not Aligned :</b>								
	Staff Accountant – General Ledger Accounting Assistant Manager Finance and Account Analyst Product Consulting Accounts and Finance Executive Graduate Finance Analyst Management Consultant Management Analyst								

**UNIVERSITY OF CALICUT**

**THENHIPALAM, CALICUT UNIVERSITY P.O**



**DEGREE OF**

**BACHELOR OF VOCATION (B.VOC)**

**IN**

**BANKING, FINANCIAL SERVICES**

**&**

**INSURANCE**

**UNDER THE**

**FACULTY OF COMMERCE**

**SYLLABUS**

**(FOR THE STUDENTS ADMITTED FROM THE ACADEMIC YEAR 2014–15 ONWARDS)**

**THENHIPALAM, CALICUT UNIVERSITY P.O**

**KERALA, 673635, INDIA**

**JULY, 2014**

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**5. Mark Distribution (Sample)**

Sem No	Course No	Code	Paper	Credits/ hrs/ week	Marks		
					Internal	External	Total
1	1.1	GEC1EG01	Communication Skills in English	4	20	80	100
	1.2	GEC1MT01	Mathematics 1	4	20	80	100
	1.3	GEC1ML01 GEC1AR01 GEC1HD01	Optional Language (Malayalam/Arabic/Hindi)	4	20	80	100
	1.4	SDC1EC01	Fundamentals of computer & Programming in C	4	20	80	100
	1.5	SDC1IT01	Internet programming	5	20	80	100
	1.6	SDC1EC02(P)	Programming in C	4	20	80	100
	1.7	SDC1IT02(P)	Internet Programming lab	5	20	80	100
2	2.1	GEC2EG02	Reading Literature in English	4	20	80	100
	2.2	GEC2MT02	Mathematics II Numerical Methods	4	20	80	100
	2.3	GEC2PH01	Digital fundamentals	4	20	80	100
	2.4	SDC2CS01	Data structures	4	20	80	100
	2.5	SDC2IT03	Programming in Java	5	20	80	100
	2.6	SDC2IT04(P)	Ds through Java	5	20	80	100
	2.7	SDC2IT05(Pr)	Mini Project	4	0	100	100
3	3.1	GEC3EG03	General Informatics	4	20	80	100
	3.2	GEC3MT03	Technical writing skills	4	20	80	100
	3.3	GEC3ES01	Environmental Science	4	20	80	100
	3.4	SDC3IT06	Basic Networking Concepts	4	20	80	100
	3.5	SDC3IT07	Introduction to RDBMS and SQL	5	20	80	100
	3.6	SDC3IT08(P)	Graphics, animation &CADD Lab	4	20	80	100
	3.7	SDC3IT09(P)	Database & Networking Lab	5	20	80	100
4	4.1	GEC4EG04	History and Philosophy of Science	4	20	80	100
	4.2	GEC4MT04	Software Engineering principles	4	20	80	100
	4.3	GEC4HS01	Health & Safety Education	4	20	80	100
	4.4	SDC4IT10	Operating Systems	4	20	80	100
	4.5	SDC4IT11	Advanced Computer Networks	5	20	80	100
	4.6	SDC4IT12(P)	Networking & OS Lab	5	20	80	100
	4.7	SDC4IT13 (Pr)	Project	4	0	100	100
5	5.1	GEC5IM05	Industrial Management	4	20	80	100
	5.2	GEC5IP01	Industrial Psychology and Counselling	4	20	80	100
	5.3	GEC5LS01	Life Skill Education & Presentation Skill	4	20	80	100
	5.4	GEC5ED01	Entrepreneurship Development & HRM	4	20	80	100
	5.5	SDC5IT14	J2ee/.dot net/Mobile Software Development using Android	5	20	80	100
	5.6	SDC5IT15	Python Programming and Mobile Web	4	20	80	100
	5.7	SDC5IT16(P)	Android and Python P programming	5	20	80	100
6	6.1	SDC6IT17(P)	Internship and Project(900hrs)	30	0	100	100
					<b>Total</b>		

## BACHELOR OF VOCATION (Banking, Finance and Insurance)

### PROGRAMME STRUCTURE

SEMESTER I									
C. No	Course Code	Course Name	Credit	Marks			Hrs		
				Int	Ext	Tot	T	P	Tot
1.1	GEC1EG01	A01 Transactins essential English Language skills	4	20	80	100	60		60
1.2	GEC1ML02	MAL1A01(2) Malayalam - BhashayumSahithyavum-I	4	20	80	100	60		60
	GEC1HD02	A07(3)Hindi – Prose and one act plays							
1.3	GEC1BM03	Business Management ( BC1B01)	4	20	80	100	60		60
1.4	SDC1BF01	Banking and Insurance	4	20	80	100	60		60
1.5	SDC1BF02	Financial Accounting	5	20	80	100	75		75
1.6	SDC1BF03(P)	Office automation tools& Communicative English	3 2	20	80	100		75	75
1.7	SDC1BF04(P)	Financial Accounting using Tally	4	20	80	100		60	60
<b>Semester I Total</b>			<b>30</b>			<b>700</b>	<b>315</b>	<b>135</b>	<b>450</b>
		<p><b>Aligned:</b> Business Correspondent/ Business Facilitator - BSC/ Q 0301 Accounts Executive-recording and reporting-BSC/Q1001 Small and Medium Enterprise Officer – BSC/Q 0501</p> <p><b>Not Aligned:</b> Account Assistant using Tally</p>							

	Life Insurance Agent Accounts executive- Insurance								
<b>SEMESTER II</b>									
C. No	Course Code	Course Name	Credit	Marks			Hrs/wk		
				Int	Ext	Tot	T	P	Tot
2.1	GEC2EG04	A02 Ways with words	4	20	80	100	60		60
2.2	GEC2ML05	MAL2A02(2) Malayalam-Bhashayum Sahithyavum-II	4	20	80	100	60		60
	GEC2HD05	A09 (3) Hindi Poetry and short stories							
2.3	GEC2BN06	( BC3A11) Basic Numerical Skills	4	20	80	100	60		60
2.4	SDC2BF05	Organizational behavior and communication	4	20	80	100	60		60
2.5	SDC2BF06	Cost Accounting	5	20	80	100	75		75
2.6	SDC2BF07 (P)	Cost accounting –lab & Bank test Coaching	3 2	20	80	100		75	75
2.7	SDC2BF08(Pr)	Mini Project	4	0	100	100		60	60
<b>Semester II Total</b>			<b>30</b>			<b>700</b>	<b>315</b>	<b>135</b>	<b>450</b>
<b>Job Roles with QP Codes:</b>		<b>Aligned:</b> Loan Processing Officer (BSC /Q2304) Loan approval officer ( BSC / Q 0401) Accounts Executive (BSC/Q 1101 ) Management analyst and consultant <b>Not Aligned</b> Assistant Cost Analyst Associate Accountant							
<b>SEMESTER III</b>									
C. No	Course Code	Course Name	Credit	Marks			Hrs/ wk		
				Int	Ext	Tot	T	P	Tot
3.1	GEC3EG07	A03 Writing for Academic and professional success	4	20	80	100	60		60

3.2	GEC3BS08	(BC5B10) Banking Service Management	4	20	80	100	60		60
3.3	SDC3BF09	Marketing Management	4	20	80	100	60		60
3.4	SDC3BF10	Life Insurance Operations	4	20	80	100	60		60
3.5	SDC3BF11	Management Accounting, Budgeting and forecasting	5	20	80	100	75		75
3.6	SDC3BF12(P)	Digital Marketing- Lab PSC Coaching	3 2	20	80	100		75	75
3.7	SDC3BF13(P)	Financial Analysis and Budget preparation ---- lab	4	20	80	100		60	60
<b>Semester III Total</b>			<b>30</b>			<b>700</b>	<b>315</b>	<b>135</b>	<b>450</b>
<b>Job Roles with QP Codes:</b>		<p><b>Aligned:</b>  Loan Approval Officer Q 0401  Small and medium enterprise officer BSC/Q 0501  Life Insurance Agent (BSC/Q0101)  Front Desk Officer - Financial Institutions (BSC/Q2203)  Online marketing executive</p> <p><b>Not Aligned:</b>  Assistant Cost Accountant  Financial Analyser  Marketing Analyst</p>							
<b>SEMESTER IV</b>									
C. No	Course Code		Credit	Marks			Hrs/wk		
				Int	Ext	Tot	T	P	Tot
4.1	GEC4EG09	04 Zeitgeist: Reading on Society and culture	4	20	80	100	60		60
4.2	GEC4ED10	(BC4A13 ) Entrepreneurship Development	4	20	80	100	60		60
4.3	SDC4BF14	General Insurance Operations	4	20	80	100	60		60
4.4	SDC4BF15	Auditing and Corporate Governance	4	20	80	100	60		60
4.5	SDC4BF16	E1 –NRI Banking & Foreign Exchange Management  E2 - Risk Management and	5	20	80	100	75		75

		<b>Insurance</b>							
4. 6	SDC4BF17 (P)	General insurance-lab & Bank Test Coaching	3 2	20	80	100		75	75
4. 7	SDC4BF18(Pr)	Internship and Project (One month internship for Audit Practices )	4	0	100	100		60	60
<b>Semester IV Total</b>			<b>30</b>			<b>700</b>	<b>315</b>	<b>135</b>	<b>450</b>

<b>Job Roles with QP Codes :</b>	<p><b>Aligned:</b>          Entrepreneurship consultant          Mutual Fund Agent Q 0601          Equity dealer BSC/Q020          Accounts Executive-payables and receivables BSC/Q 0901</p> <p><b>Not Aligned:</b>          Auditing assistant          Auditing associate</p>
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### SEMESTER V

C. No	Course Code	Course Name	Credit	Marks			Hrs/ wk		
				Int	Ext	Total	T	P	Tot
5.1	GEC5HR11	(BC3C03) Human Resources Management	4	20	80	100	60		60
5.2	GEC5AD12	Banking & Micro Finance	4	20	80	100	60		60
5.3	SDC5BF19	<b>E3 : Mutual fund operations</b> <b>E4 : Retail banking &amp; operations</b>	4	20	80	100	60		60
5. 4	SDC5BF20	Legal and regulatory aspect of Banking	4	20	80	100	60		60
5. 5	SDC5BF21	Corporate Accounting	5	20	80	100	75		75
5.7	SDC5BF22	Micro Finance operations- Lab & PSC Coaching	3 2	20	80	100		75	75
5.8	SDC5BF23	Mutual fund & Online Share Trading- lab	4	20	80	100		60	604



<b>Semester V Total</b>				<b>30</b>			<b>700</b>	<b>315</b>	<b>135</b>	<b>450</b>
<b>Job Roles with QP Codes :</b>	<b>Aligned:</b>									
	Equity Dealer	BSC/Q020								
	Micro finance executive	BSC/Q0801								
	Debt recovery agent	BSC/Q0701								
	Mutual fund agent	Q0601								
	Financial Inclusion Officer (BSC/Q8405)									
	<b>Not Aligned:</b>									
	Entrepreneurship Consultant									
	Associate-HRO									
<b>SEMESTER VI</b>										
<b>C. No</b>	<b>Course Code</b>	<b>Course Name</b>	<b>Cre dit</b>	<b>Marks</b>			<b>Hr s</b>			
				<b>Int</b>	<b>Ext</b>	<b>Tot</b>	<b>T</b>	<b>P</b>	<b>Tot</b>	
6.1	SDC6BF24(Pr)	Internship & Project (900 hrs.)	30	0	100	100		900	900	
<b>Semester VI Total</b>			<b>30</b>			<b>100</b>			<b>900</b>	
<b>Job Roles with QP codes:</b>	<b>Aligned:</b>									
	Dealer - Financial Institutions	(BSC/Q5102)								
	Accounts Executive	(BSC/Q8101)								
	Equity Dealer	(BSC/Q02)								
	Micro finance executive	(BSC/Q0801)								
	Debt recovery agent	(BSC/Q0701)								
	Associate-Recruitment (HR)	(SSC/Q2501)								
	Associate-HRO	(SSC/Q2502)								
	Loan Processing Officer	(BSC/Q2304)								
	<b>Not Aligned:</b>									
	Online Share Trader									
	Auditing Assistant									
	Auditing Associate									
	Risk Analyser									
	Research Assistant									
<b>Grant Total</b>			<b>180</b>			<b>3600</b>			<b>3150</b>	

**UNIVERSITY OF CALICUT**

The logo of the University of Calicut is a circular emblem. It features a central illustration of a building, likely a library or a hall, with a dome and a tower. The text "UNIVERSITY OF CALICUT" is written in English around the top inner edge of the circle, and the Malayalam text "കലിക്കറ്റ് യൂണിവേഴ്സിറ്റി" is written around the bottom inner edge.

**DEGREE OF BACHELOR OF VOCATION (B.VOC)**

**IN**

**FASHION TECHNOLOGY**

**UNDER THE**

**FACULTY OF SCIENCE**

**SYLLABUS**

**(FOR THE STUDENTS ADMITTED FROM THE ACADEMIC YEAR 2018–19 ONWARDS)**

**BOARD OF STUDIES**

**IN**

**Fashion Designing (Single Board)**

**THENHIPALAM, CALICUT UNIVERSITY P.O**

**KERALA, 673635, INDIA**

**JULY, 2018**

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## B.VOC FASHION TECHNOLOGY

### PROGRAMME STRUCTURE

SEMESTER I									
NSQF Level 4									
C. No	Course Code	Course Name	Credit	Marks			Hours		
				Int	Ext	Tot	T	P	Tot
1.1	GEC1EG01	A01 Transactions Essential English Language Skills	4	20	80	100	60		60
1.2	GEC1ML02	MAL1A01(2) Malayalam - Bhashayum Sahityavum-I	4	20	80	100	60		60
	GEC1HD02	A07(3) Hindi – Prose and one act plays							
1.3	SDC1FT01	Basics of Textiles	4	20	80	100	60		60
1.4	SDC1FT02	Design Concepts	4	20	80	100	60		60
1.5	SDC1FT03 (P)	Basics of Textiles and Illustration	4	20	80	100		60	60
1.6	SDC1FT04(P)	Office Automation tools and Communicative English	3	20	80	100		75	75
		Pattern Making and Garment Construction I	2						
1.7	SDC1FT05(P)	Pattern Making and Garment Construction I	5	20	80	100		75	75
<b>Semester I Total</b>			<b>30</b>			<b>700</b>	<b>240</b>	<b>210</b>	<b>450</b>
<b>Qualification Pack</b>		<b>Aligned:</b> Assistant Fashion Designer AMH/Q1210 Sampling Coordinator AMH/Q 1801							
SEMESTER II									
NSQF Level 5									
C. No	Course Code	Course Name	Credit	Marks			Hours		
				Int	Ext	Tot	T	P	Tot
2.1	GEC2EG03	A02 Ways With Words: Literature in English	4	20	80	100	60		60
2.2	GEC2ML04	MAL2A02(2) Malayalam-Bhashayum Sahityavum-II	4	20	80	100	60		60
	GEC2HD04	(A09) Hindi Poetry and short stories							
2.3	GEC2BN05	(BC3A11) Basic Numerical Skills	4	20	80	100	60		60

2.4	SDC2FT06	Apparel Machinery & Equipments	4	20	80	100	60		60
2.5	SDC2FT07(P)	Fabric Analysis and Fashion Illustration	5	20	80	100		75	75
2.6	SDC2FT08(P)	Pattern Making and Garment Construction II	5	20	80	100		75	75
2.7	SDC2FT09(Pr)	Internship / Mini project	4	0	100	100		60	60

<b>Semester II Total</b>			<b>30</b>			<b>700</b>	<b>240</b>	<b>210</b>	<b>450</b>
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<b>Qualification Pack</b>	<b>Aligned:</b> Packing Checker TSC/Q 0501 Assistant Fashion Designer AMH/Q1210 Self- Employed Tailor AMH/Q1947
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<b>SEMESTER III</b>									
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C. No	Course Code	Course Name	Credit	Marks			Hours		
				Int	Ext	Tot	T	P	Tot
3.1	GEC3EG06	A03 Writing For Academic and Professional Success	4	20	80	100	60		60
3.2	GEC3ET07	CFD4B07 Textile Processing	4	20	80	100	60		60
3.3	SDC3FT10	Historic Costumes	4	20	80	100	60		60
3.4	SDC3FT11	Fashion Merchandising Marketing and Management	4	20	80	100	60		60
3.5	SDC3FT12(P)	Accessory Designing, Styling and Makeup	5	20	80	100		75	75
3.6	SDC3FT13(P)	Textile Processing	4	20	80	100		60	60
3.7	SDC3FT14(P)	Pattern Making and Garment Construction III (Children's Clothing)	5	20	80	100		75	75
<b>Semester III Total</b>			<b>30</b>			<b>700</b>	<b>240</b>	<b>210</b>	<b>450</b>

**Qualification Pack :** Aligned

Store Manager G&J/Q8202  
Garment cutter AMH/Q1501  
Assistant Hair Stylist BWS/Q0201  
Merchandiser AMH/Q0 901  
Makeup Artist MES/Q1801

**SEMESTER IV**

**NSQF Level 6**

C. No	Course Code	Course Name	Credit	Marks			Hours		
				Int	Ext	Tot	T	P	Tot
4.1	GEC4EG08	A04 ZEITGEST : Readings on Society and Culture	4	20	80	100	60		60
4.2	GEC4ED09	BC4A13 Entrepreneurship Development	4	20	80	100	60		60
4.3	SDC4FT15	Apparel Production and Quality Control	5	20	80	100	75		75
4.4	SDC4FT16	Environmental Textiles	4	20	80	100	60		60
4.5	SDC4FT17(P)	Surface Ornamentation	4	20	80	100		60	60
4.6	SDC4FT18(P)	Draping PSC Coaching	3 2	20	80	100		75	75
4.7	SDC4FT19(Pr)	Internship/ Mini project	4	0	100	100		60	60
<b>Semester IV Total</b>			<b>30</b>			<b>700</b>	<b>255</b>	<b>195</b>	<b>450</b>
<b>Qualification Pack</b>		<b>Aligned</b> Hand embroider AMH/Q1010 Measurement Checker AMH/Q0103 Quality Assessor AMH/Q1 701 Production Supervisor Sewing AMH/Q2 101 Fabric checker AMH/Q0101							

**SEMESTER V**

C. No	Course Code	Course Name	Credit	Marks			Hours		
				Int	Ext	Tot	T	P	Tot
5.1	GEC5HR10	Human Resource Management	4	20	80	100	60		60
5.2	SDC5FT20	Garment Finishing and Clothing Care	4	20	80	100	60		60
5.3	SDC5FT21	Visual Merchandising and Retail Management	4	20	80	100	60		60
5.4	SDC5FT22	Apparel Costing and Export Documentation	4	20	80	100	60		60

5.5	SDC5FT23(P)	Pattern Making And Garment Construction IV (Adult wear)	5	20	80	100		75	75
5.6	SDC5FT24(P)	Computer Aided Designing (CAD) PSC Coaching	3 2	20	80	100		75	75
5.7	SDC5FT25(P)	Portfolio Presentation	4	20	80	100		60	60
<b>Semester V Total</b>			<b>30</b>			<b>700</b>	<b>240</b>	<b>210</b>	<b>450</b>

<b>Qualification Pack</b>	<b>Aligned</b>								
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<b>NSQF Level 7</b>		Pattern Master AMH/Q1105							
		Visual Merchandiser RAS/Q 0402							
		Retail Store Manager RAS/Q0107							
		Fashion Designer AMH/Q1201							
		Pattern Cutter LSS/Q5103							
		Advance Pattern Maker AMH/Q1101							
		Export Assistant AMH/Q 1601							

**SEMESTER VI**

C. No	Course Code	Course Name	Cred				Marks			Hours	
			it	Int	Ext	Tot	T	P	Tot		
6.1	SDC6FT26 (Pr)	Internship and Project	30	0	100	100			900	900	

<b>Semester VI Total</b>			<b>30</b>			<b>100</b>				<b>900</b>
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<b>Grand Total</b>			<b>180</b>			<b>3600</b>				<b>3150</b>
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<b>Qualification Pack</b>	<b>Aligned</b>								
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<b>NSQF Level 7</b>		Fashion Designer AMH/Q1201							
		Pattern Master AMH/Q1105							
		Visual Merchandiser RAS/Q 0402							
		Merchandiser AMH/ Q0901							
		Pattern Cutter LSS/Q5103							
		Advance Pattern Maker AMH/Q1101							
		Self- Employed Tailor AMH/Q1947 Sampling Tailor AMH/Q0701							

**UNIVERSITY OF CALICUT**  
THENHIPALAM, CALICUT UNIVERSITY P.O



**DEGREE OF**  
**BACHELOR OF VOCATION (B.VOC)**  
**IN**  
**MULTIMEDIA**

**UNDER THE**  
**FACULTY OF SCIENCE**

**SYLLABUS**

(FOR THE STUDENTS ADMITTED FROM THE ACADEMIC YEAR 2014–15 ONWARDS)

**BOARD OF STUDIES IN COMPUTER SCIENCE (UG)**

**THENHIPALAM, CALICUT UNIVERSITY P.O**

**KERALA, 673635, INDIA**

**JULY, 2014**

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# BACHELOR OF VOCATION (Multimedia)

## PROGRAMME STRUCTURE

SEMESTER I									
C. No	Course Code	Course Name	Credit	Marks			Hrs/wk		
				Int	Ext	Tot	T	P	Tot
1.1	GEC1EG01	A01 Transactins essential English Language skills	4	20	80	100	4		4
1.2	GEC1ML02 GEC1HD02	MAL1A01(2) Malayalam – Bhashayum Sahithyavum-I A07(3) – Prose and one act plays	4	20	80	100	4		4
1.3	GEC1FC03	Fundamentals of Computer	4	20	80	100	4		4
1.4	SDC1MM01	Office Automation & Malayalam Computing	4	20	80	100	4		4
1.5	SDC1MM02	New Media,Internet and Programming Web	5	20	80	100	5		5
1.6	SDC1MM03 (P)	Office Automation & Malayalam Computing Lab	4	20	80	100		5	5
1.7	SDC1MM04 (P)	Internet Programming Lab	5	20	80	100		4	4
<b>Semester I Total</b>			<b>30</b>			<b>700</b>	<b>21</b>	<b>9</b>	<b>30</b>
SEMESTER II									
C. No	Course Code	Course Name	Credit	Marks			Hrs/wk		
				Int	Ext	Tot	T	P	Tot
2.1	GEC2EG04	A02 Ways with words	4	20	80	100	4		4
2.2	GEC2ML05 GEC2HD05	MAL2A02(2) Malayalam- Bhashayum Sahithyavum-II A09 (3) Poetry and short stories	4	20	80	100	4		4
2.3	GEC2NM06	A09(3) Basic Numeric Skills	4	20	80	100	4		4
2.4	SDC2MM05	Multimedia Tools & Techniques	4	20	80	100	4		4
2.5	SDC2MM06	Photography & Visual Effects	5	20	80	100	5		5



2.6	SDC2MM07 (P)	Multimedia Tools & Techniques Lab	5	20	80	100		5	5
2.7	SDC2MM08 (Pr)	Mini Project	4	0	100	100		4	4
<b>Semester II Total</b>			<b>30</b>			<b>700</b>	<b>21</b>	<b>9</b>	<b>30</b>
<b>SEMESTER III</b>									
C. No	Course Code	Course Name	Credit	Marks			Hrs/wk		
				Int	Ext	Tot	T	P	Tot
3.1	GEC3EG07	A03 Writing for Academic and professional Success	4	20	80	100	4		4
3.2	GEC3CW08	Creative writing TV and Film	4	20	80	100	4		4
3.3	GEC3ES09	(EWM1B01 ) Environmental Science	4	20	80	100	4		4
3.4	SDC3MM09	Digital Video Production	4	20	80	100	4		4
3.5	SDC3MM10	Introduction to Animation	5	20	80	100	5		5
3.6	SDC3MM11 (P)	Animation Lab	4	20	80	100		4	4
3.7	SDC3MM12 (P)	Digital Video Production Lab	5	20	80	100		5	5
<b>Semester III Total</b>			<b>30</b>			<b>700</b>	<b>21</b>	<b>9</b>	<b>30</b>
<b>SEMESTER IV</b>									
C. No	Course Code	Course Name	Credit	Marks			Hrs/wk		
				Int	Ext	Tot	T	P	Tot
4.1	GEC4EG10	04 Zeitgeist: Reading on Society and culture	4	20	80	100	4		4
4.2	GEC4PP11	Pre-Production	4	20	80	100	4		4
4.3	GEC4ED12	(A14) Entrepreneurship Development	4	20	80	100	4		4
4.4	SDC4MM13	Production and Post-Production	4	20	80	100	4		4
4.5	SDC4MM14	Advanced Techniques In Graphics and Animation	5	20	80	100	5		5
4.6	SDC4MM15 (P)	Graphics and Animation	5	20	80	100		5	5
4.7	SDC4MM16 (Pr)	Project	4	0	100	100		4	4
<b>Semester IV Total</b>			<b>30</b>			<b>700</b>	<b>21</b>	<b>9</b>	<b>30</b>
<b>SEMESTER V</b>									

C. No	Course Code	Course Name	Credit	Marks			Hrs/ wk		
				Int	Ext	Tot	T	P	Tot
5.1	GEC5HR13	BC5B09 Human Resource Management	4	20	80	100	4		4
5.2	SDC5MM17	Media Laws and Ethics	4	20	80	100	4		4
5.3	GEC5LS15	(SO4 B.06) Life Skill Development	4	20	80	100	4		4
5.5	SDC5MM18	Graphics and Animation in Advertising	4	20	80	100	4		4
5.6	SDC5MM19	3D, Scripting and Game Development	5	20	80	100	5		5
5.7	SDC5MM20 (P)	Graphics and Animation in Advertising Lab	4	20	80	100		4	4
5.8	SDC5MM21 (P)	3D Scripting and Game Development Lab	5	20	80	100		5	5
<b>Semester V Total</b>			<b>30</b>			<b>700</b>	<b>21</b>	<b>9</b>	<b>30</b>
<b>SEMESTER VI</b>									
C. No	Course Code	Course Name	Credit	Marks			Hrs		
				Int	Ext	Tot	T	P	Tot
6.1	SDC6MM22 (Pr)	Internship & Project (900 hrs.)	30	0	100	100		900	900
<b>Semester VI Total</b>			<b>30</b>			<b>100</b>			<b>900</b>
<b>Grant Total</b>			<b>180</b>			<b>3600</b>			

## Semester 1

<b>SEMESTER I</b>
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C. No	Course Code	Course Name	Credit	Marks			Hrs/wk		
				Int	Ext	Tot	T	P	Tot
1.1	GEC1EG01	A01 Transactions essential English Language skills	4	20	80	100	4		4
1.2	GEC1ML02	MAL1A01(2) Malayalam - Bhashayum Sahithyavum-I	4	20	80	100	4		4
	GEC1HD02	A07(3) Hindi – Prose and one act plays							
1.3	GEC1FC03	Fundamentals of Computer	4	20	80	100	4		4
1.4	SDC1MM01	Office Automation & Malayalam Computing	4	20	80	100	4		4
1.5	SDC1MM02	New Media, Internet and Programming Web	5	20	80	100	5		5
1.6	SDC1MM03 (P)	Office Automation & Malayalam Computing Lab	4	20	80	100		5	5
1.7	SDC1MM04 (P)	Internet Programming Lab	5	20	80	100		4	4
<b>Semester I Total</b>			<b>30</b>			<b>700</b>	<b>21</b>	<b>9</b>	<b>30</b>

## **ENG1A01 : TRANSACTIONS ESSENTIAL ENGLISH LANGUAGE SKILLS**

COURSE CODE	ENG1A01
TITLE OF THE COURSE	TRANSACTIONS: ESSENTIAL ENGLISH LANGUAGE SKILLS
SEMESTER IN WHICH THE COURSE TO BE TAUGHT	1
NO. OF CREDITS	4
NO. OF CONTACT HOURS	60(4 hrs/wk)

### **1. OBJECTIVES OF THE COURSE**

- A. To impart the necessary macro and micro English language skills to learners to enable them to express their feelings, opinions, ideas and thoughts fluently and accurately in a variety of personal and professional contexts.
- B. To create in learners a definitive sense of the stylistic variations of English and how they are used in real life situations.
- C. To inculcate in learners a taste for deeper pursuit and acquisition of advanced level of skills in English.
- D. To guide them on how to participate in discussions and make seminar presentations with special focus on specific vocabularies and styles of usage in such contexts.

**UNIVERSITY OF CALICUT**  
THENHIPALAM, CALICUT UNIVERSITY P.O



**DEGREE OF**  
**BACHELOR OF VOCATION (B.VOC)**  
**IN**  
**SOFTWARE DEVELOPMENT**

**UNDER THE**  
**FACULTY OF SCIENCE**

**SYLLABUS**

(FOR THE STUDENTS ADMITTED FROM THE ACADEMIC YEAR 2014–15 ONWARDS)

**BOARD OF STUDIES IN COMPUTER SCIENCE (UG)**

**THENHIPALAM, CALICUT UNIVERSITY P.O**

**KERALA, 673635, INDIA**

**JULY, 2014**

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# BACHELOR OF VOCATION (SOFTWARE DEVELOPMENT)

## PROGRAMME STRUCTURE

SEMESTER I									
C. No	Course Code	Course Name	Credit	Marks			Hrs/wk		
				Int	Ext	Tot	T	P	Tot
1.1	GEC1EG01	A01 Transactins essential English Language skills	4	20	80	100	4		4
1.2	GEC1ML02 GEC1HD02	MAL1A01(2) Malayalam – Bhashayum Sahithyavum-I A07(3) – Prose and one act plays	4	20	80	100	4		4
1.3	GEC1DM03	(CA1C02) Discrete Mathematics	4	20	80	100	4		4
1.4	SDC1IT01	Fundamentals of Computer & Programming in C	5	20	80	100	5		5
1.5	SDC1IT02	Internet Programming	4	20	80	100	4		4
1.6	SDC1IT03 (P)	Programming in C - Lab	5	20	80	100		5	5
1.7	SDC1IT04 (P)	Internet Programming -Lab	4	20	80	100		4	4
<b>Semester I Total</b>			<b>30</b>			<b>700</b>	<b>21</b>	<b>9</b>	<b>30</b>
SEMESTER II									
C. No	Course Code	Course Name	Credit	Marks			Hrs/wk		
				Int	Ext	Tot	T	P	Tot
2.1	GEC2EG04	A02 Ways with words	4	20	80	100	4		4
2.2	GEC2ML05 GEC2HD05	MAL2A02(2) Malayalam- Bhashayum Sahithyavum-II A09 (3) Poetry and short stories	4	20	80	100	4		4
2.3	GEC2NM06	A09(3) Basic Numeric Skills	4	20	80	100	4		4
2.4	SDC2IT05	Data Structures	4	20	80	100	4		4
2.5	SDC2IT06	Programming in Java	5	20	80	100		5	5
2.6	SDC2IT07(P)	Data Structures through Java - Lab	5	20	80	100		5	5

2.7	SDC2IT08 (Pr)	Mini Project	4	0	100	100		4	4
<b>Semester II Total</b>			<b>30</b>			<b>700</b>	<b>21</b>	<b>9</b>	<b>30</b>
<b>SEMESTER III</b>									
C. No	Course Code	Course Name	Credit	Marks			Hrs/ wk		
				Int	Ext	Tot	T	P	Tot
3.1	GEC3EG07	A03 Writing for Academic and professional Success	4	20	80	100	4		4
3.2	GEC3TW08	Technical Writing & SEO	4	20	80	100	4		4
3.3	GEC3ES09	(EWM1B01 ) Environmental Science	4	20	80	100	4		4
3.4	SDC3IT09	Basic Networking Concepts	4	20	80	100	4		4
3.5	SDC3IT10	Introduction to RDBMS and SQL	5	20	80	100	5		5
3.6	SDC3IT11(P)	Networking - Lab	4	20	80	100		4	4
3.7	SDC3IT12(P)	Database - Lab	5	20	80	100		5	5
<b>Semester III Total</b>			<b>30</b>			<b>700</b>	<b>21</b>	<b>9</b>	<b>30</b>
<b>SEMESTER IV</b>									
C. No	Course Code	Course Name	Credit	Marks			Hrs/wk		
				Int	Ext	Tot	T	P	Tot
4.1	GEC4EG10	04 Zeitgeist: Reading on Society and culture	4	20	80	100	4		4
4.2	GEC4SE11	Software Engineering Principles	4	20	80	100	4		4
4.3	GEC4ED12	(A14) Entrepreneurship Development	4	20	80	100	4		4
4.4	SDC4IT13	Operating Systems	4	20	80	100	4		4
4.5	SDC4IT14	Advanced Computer Networks	5	20	80	100	5		5
4.6	SDC4IT15(P)	Networking & OS - Lab	5	20	80	100		5	5
4.7	SDC4IT16 (Pr)	Project	4	0	100	100		4	4
<b>Semester IV Total</b>			<b>30</b>			<b>700</b>	<b>21</b>	<b>9</b>	<b>30</b>
<b>SEMESTER V</b>									
C. No	Course Code	Course Name	Credit	Marks			Hrs/ wk		
				Int	Ext	Tot	T	P	Tot
5.1	GEC5HR13	BC5B09 Human Resource Management	4	20	80	100	4		4

5.2	SDC5IT17	.Net and Database Administration	4	20	80	100	4		4
5.3	GEC5LS15	(S04B.06)Life Skill Development	4	20	80	100	4		4
5.4	SDC5IT18 (E1/E2)	J2EE/ Python Programming and Mobile Web	5	20	80	100	5		5
5.5	SDC5IT19 (E3/E4)	Mobile Software Development using Android / Programming Mobile Application	4	20	80	100	4		4
5.6	SDC5IT20(P)	.Net and Database - Lab	4	20	80	100		4	4
5.7	SDC5IT21(P)	Android and Python Programming - Lab	5	20	80	100		5	5
<b>Semester V Total</b>			<b>30</b>			<b>700</b>	<b>21</b>	<b>9</b>	<b>30</b>
<b>SEMESTER VI</b>									
C. No	Course Code	Course Name	Credit	Marks			Hrs		
				Int	Ext	Tot	T	P	Tot
6.1	SDC6IT22 (Pr)	Internship & Project (900 hrs.)	30	0	100	100		90	900
<b>Semester VI Total</b>			<b>30</b>			<b>100</b>			<b>900</b>
<b>Grant Total</b>			<b>180</b>			<b>360</b>			

### Semester 1

<b>SEMESTER I</b>									
C. No	Course Code	Course Name	Credit	Marks			Hrs/wk		
				Int	Ext	Tot	T	P	Tot
1.1	GEC1EG01	A01 Transactins essential English Language skills	4	20	80	100	4		4
1.2	GEC1ML02	MAL1A01(2) Malayalam – Bhashayum Sahithyavum-I	4	20	80	100	4		4
	GEC1HD02	A07(3) – Prose and one act plays							
1.3	GEC1DM03	(CA1C02) Discrete Mathematics	4	20	80	100	4		4

1.4	SDC1IT01	Fundamentals of Computer & Programming in C	5	20	80	100	5		5
1.5	SDC1IT02	Internet Programming	4	20	80	100	4		4
1.6	SDC1IT03 (P)	Programming in C - Lab	5	20	80	100		5	5
1.7	SDC1IT04 (P)	Internet Programming - Lab	4	20	80	100		4	4
<b>Semester I Total</b>			<b>30</b>			<b>700</b>	<b>219</b>		<b>30</b>

## Semester 1

### ENG1A01 : TRANSACTIONS ESSENTIAL ENGLISH LANGUAGE SKILLS

COURSE CODE	ENG1A01
TITLE OF THE COURSE	TRANSACTIONS: ESSENTIAL ENGLISH LANGUAGE SKILLS
SEMESTER IN WHICH THE COURSE TO BE TAUGHT	1
NO. OF CREDITS	4
NO. OF CONTACT HOURS	60(4 hrs/wk)

#### 1. OBJECTIVES OF THE COURSE

- A. To impart the necessary macro and micro English language skills to learners to enable them to express their feelings, opinions, ideas and thoughts fluently and accurately in a variety of personal and professional contexts.
- B. To create in learners a definitive sense of the stylistic variations of English and how they are used in real life situations.
- C. To inculcate in learners a taste for deeper pursuit and acquisition of advanced level of skills in English.
- D. To guide them on how to participate in discussions and make seminar presentations with special focus on specific vocabularies and styles of usage in such contexts.

#### 2. COURSE DESCRIPTION

##### I. COURSE SUMMARY:

Module 1: Pronunciation	10hrs
Module 2: Vocabulary	10 hrs
Module 3: Grammar	10 hrs
Module 4: speaking skills	10 hrs
Module 5: Reading skills	15hrs
Evaluation	10hrs



<b>UNIVERSITY OF CALICUT</b>				
<b>M.Sc. Programme in Botany (CBCSS) (from 2019 admissions onwards)</b>				
<b>Programme, structure of courses and distribution of credits</b>				
Course	Title	Credits		
		Internal	External	Total credits
<b>Semester I</b>				
BOT01CT01	Phycology, Bryology, Pteridology and Gymnosperms	20%	80%	5
BOT01CT02	Mycology and Lichenology, Microbiology and Plant Pathology	20%	80%	5
BOT01CT03	Angiosperm Anatomy, Embryology, Palynology and Lab Techniques	20%	80%	5
BOT01CP04	Practicals of Phycology, Bryology, Pteridology, Gymnosperms, Mycology and Lichenology	20%	80%	2.5
BOT01CP05	Practicals of Microbiology, Plant Pathology, Angiosperm anatomy, Embryology, Palynology and Lab Techniques.	20%	80%	2.5
<b>Semester II</b>				
BOT02CT06	Cell Biology, Molecular Biology and Biophysics	20%	80%	5
BOT02CT07	Cytogenetics, Genetics, Biostatistics, Plant Breeding and Evolution	20%	80%	5
BOT02CT08	Plant Ecology, Conservation Biology, Phytogeography and Forest Botany	20%	80%	5
BOT02CP09	Practicals of Cell Biology, Molecular Biology, Biophysics and Cytogenetics	20%	80%	2.5
BOT02CP10	Practicals of Genetics, Biostatistics, Plant Breeding, Plant Ecology, Conservation Biology, Phytogeography and Forest Botany	20%	80%	2.5
<b>Semester III</b>				
BOT03CT11	Plant Physiology, Metabolism and Biochemistry	20%	80%	5
BOT03CT12	Angiosperm Morphology and Taxonomy and Plant Resources	20%	80%	5
BOT03CT13	Biotechnology and Bioinformatics	20%	80%	5
BOT03CP14	Practicals of Plant Physiology, Metabolism, Biochemistry, Angiosperm Morphology and Taxonomy	20%	80%	2.5
BOT03CP15	Practicals of Plant Resources, Biotechnology and Bioinformatics	20%	80%	2.5
<b>Semester IV</b>				
BOT04ET01	<b>Elective I</b>	20%	80%	5
BOT04ET02	<b>Elective II</b>	20%	80%	5
BOT04EP01	Practicals of Electives	20%	80%	2
BOT04DN	Dissertation	20%	80%	5
BOT04VV	Viva voce	0%	100%	3
Total				80 credits
<b>Audit Courses (To be completed within the first three semesters by the students)</b>				
ACIAEC	Ability Enhancement Course	100%	0%	4
AC2PCC	Professional Competency Course	100%	0%	4
(The credits earned through the audit courses will not be added for SGPA/CGPA)				
Duration of Theory Examinations (External) as well as Practical Examinations (External) will be 3 hours				
1 credit = 1.25 hours of teaching; There will be no regular classes/workload for audit courses.				
1 theory/dissertation hour= 1.5 hours of workload; 1 practical hour= 1 hour of workload				

**M.Sc.(Mathematics) Semester 1**

**Total credits: 18**

Sl.No.	Course code.	Title of the Course	Credits	Hours/Week	Core/Elective
1	MAT1C01	Algebra - I	4	4L+1T	Core
2	MAT1C02	Linear Algebra	4	4L+1T	Core
3	MAT1C03	Real Analysis - I	4	4L+1T	Core
4	MAT1C04	Discrete Mathematics	3	3L+1T	Core
5	MAT1C05	Number Theory	3	3L+1T	Core
6	MAT1A01	Ability Enhancement Course <sup>a</sup>	2		Audit Course

**M.Sc.(Mathematics) Semester 2**

**Total credits: 18**

Sl.No.	Course code	Title of the Course	Credits	Hours/Week	Core/Elective
1	MAT2C06	Algebra - II	3	3L+1T	Core
2	MAT2C07	Real Analysis - II	4	4L+1T	Core
3	MAT2C08	Ordinary Differential Equations	3	3L+1T	Core
4	MAT2C09	Topology	4	4L+1T	Core
5	MAT2C10	Multivariable Calculus and Geometry	4	4L+1T	Core
6		Professional Competency Course <sup>a</sup>	2		Audit Course

**M.Sc.(Mathematics) Semester 3**

**Total credits: 16**

Sl.No.	Course code	Title of the Course	Credits	Hours/week	Core/Elective
1	MAT3C11	Complex Analysis	4	4L+1T	Core
2	MAT3C12	Functional Analysis	4	4L+1T	Core
3	MAT3C13	PDE and Integral Equations	4	4L+1T	Core
4		Elective 1	4	4L+1T	Elective

**M.Sc.(Mathematics) Semester 4**

**Total credits: 20**

Sl.No.	Course code	Title of the Course	Credits	Hours/Week	Core/Elective
1	MAT4C14	Dissertation	8	8	Core
2		Elective 2 <sup>b</sup>			Elective
3		Elective 3 <sup>b</sup>			Elective
4		Elective 4 <sup>b</sup>			Elective
5		Elective 5 <sup>b</sup>			Elective

<sup>a</sup> Evaluation of these courses will be as per the latest PG regulations.

<sup>b</sup>Total credit for Electives 2, 3, 4 and 5 is 12.

### List of Electives for 3<sup>rd</sup> Semester

Sl.No.	Course code	Title of the Course	Credits	Hours/ Week
1	MAT3E01	Advanced Topology	4	4L+1T
2	MAT3E02	Commutative Algebra	4	4L+1T
3	MAT3E03	Computer Oriented Numerical Analysis	4	4L+1T
4	MAT3E04	Linear Programming and its Applications	4	4L+1T
5	MAT3E05	Representation Theory of finite Groups	4	4L+1T

### List of Electives for 4<sup>th</sup> Semester

Sl.No.	Course code	Title of the Course	Credits	Hours/ Week
1	MAT4E01	Advanced Complex Analysis	3	3L+1T
2	MAT4E02	Advanced Functional Analysis	4	4L+1T
3 <sup>c</sup>	MAT4E03	Advanced Topics in Measure and Integration	4	4L+1T
4	MAT4E04	Algebraic Graph Theory	3	3L+1T
5	MAT4E05	Algebraic Topology	3	3L+1T
6	MAT4E06	Cryptography	3	3L+1T
7	MAT4E07	Differential Geometry	4	4L+1T
8	MAT4E08	Graph Theory	2	2L+1T
9 <sup>c</sup>	MAT4E09	Measure and Integration	3	3L+1T
10 <sup>c</sup>	MAT4E10	Non-Linear Programming	2	2L+1T
11 <sup>c</sup>	MAT4E11	Operations Research	3	3L+1T
12	MAT4E12	Wavelet Theory	4	4L+1T

1. <sup>c</sup> MAT4E03: Advanced Topics in Measure and Integration(4 Credits) and MAT4E09: Measure and Integration(3 credits) cannot be offered simultaneously
2. <sup>c</sup> MAT4E10: Non-Linear Programming(2 Credits) and MAT4E11: Operations Research(3 credits) cannot be offered simultaneously

#### ABILITY ENHANCEMENT COURSE(AEC)

Successful fulfilment of any one of the following shall be considered as the completion of AEC. (i) Internship, (ii) Class room seminar presentation, (iii) Publications, (iv) Case study analysis, (v) Paper presentation, (vi) Book reviews. A student can select any one of these as AEC.

**Internship:** Internship of duration 5 days under the guidance of a faculty in an institution/department other than the parent department. A certificate of the same should be obtained and submitted to the parent department.

**Class room seminar:** One seminar of duration one hour based on topics in mathematics beyond the prescribed syllabus.

**Publications:** One paper published in conference proceedings/ Journals. A copy of the same should be submitted to the parent department.

**Case study analysis:** Report of the case study should be submitted to the parent department.



UNIVERSITY OF CALICUT

**Abstract**

General and Academic - Faculty of Science - Syllabus of MSc Chemistry Programme for affiliated colleges under CBCSS PG Regulations 2019 with effect from 2019 Admission onwards - Implemented- Orders Issued

**G & A - IV - J**

U.O.No. 8957/2019/Admn

Dated, Calicut University.P.O, 06.07.2019

*Read:-*1. U.O.No. 4487/2019/Admn dated 26.03.2019

2. Item No. 2 in the minutes of the meeting of the Board of Studies in Chemistry (PG) held on 12.06.2019
3. Item No. 1.13 in the minutes of the meeting of Faculty of Science held on 27.06.2019

ORDER

The Regulations for Choice Based Credit and Semester System for Post Graduate (PG) Curriculum-2019 (CBCSS PG Regulations 2019) for all PG Programmes under CBCSS for Affiliated Colleges and SDE/PrivateRegistration w.e.f. 2019 admission has been implemented vide paper read first above.

The meeting of Board of Studies in Chemistry (PG) held on 12/06/2019 has approved the Syllabus of MSc Chemistry Programme in tune with the new CBCSS 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 Chemistry (PG) held on 12/06/2019, vide paper read third above.

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

The Scheme and Syllabus of M Sc Chemistry Programme for affiliated colleges in accordance with CBCSS PG Regulations 2019, is therefore implemented in the University with effect from 2019 Admission onwards.

Orders are issued accordingly. (Syllabus appended)

Biju George K

Assistant Registrar

To

The Principals of all Affiliated Colleges

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**TABLE 1**  
**Courses offered for M.Sc. Chemistry Programme under**  
**CBCSS Patten in Affiliated Colleges (2019 onwards)**

Semester	Course Code	Course Title	Instruction/Week	Credits
<b>I</b>	CHE1C01	Quantum Mechanics and Computational Chemistry	4	4
	CHE1C02	Elementary inorganic chemistry	3	4
	CHE1C03	Structure and reactivity of organic Compounds	3	4
	CHE1C04	Thermodynamics, kinetics, and catalysis	3	4
	CHE1L01	Inorganic chemistry practical I	4	-
	CHE1L02	Organic chemistry Practical I	4	-
	CHE1L03	Physical chemistry practical I	4	-
		<b>Total credits:</b>	<b>Core</b>	<b>16</b>
<b>II</b>	CHE2C05	Group theory and Chemical Bonding	3	3
	CHE2C06	Coordination chemistry	3	3
	CHE2C07	Reaction mechanism in Organic Chemistry	3	3
	CHE2C08	Electrochemistry, solid state chemistry, and Statistical Thermodynamics	3	3
	CHE2L04	Inorganic chemistry practical II	4	3
	CHE2L05	Organic chemistry practical II	4	3
	CHE2L06	Physical chemistry practical II	4	3
		<b>Total credits:</b>	<b>Core</b>	<b>21</b>
	CHE3C09	Molecular spectroscopy	4	4
	CHE3C10	Organometallic & Bioinorganic chemistry	3	4
	CHE3C11	Reagents and Transformations in Organic Chemistry	3	4

III	CHE3L07	Inorganic chemistry practical III	4		
	CHE3L08	Organic chemistry practical III	4		
	CHE3L09	Physical chemistry practical III	4		
	CHE3E01	Synthetic organic chemistry(Elective)	3	4	
	CHE3E02	Computational chemistry(Elective)	3	4	
	CHE3E03	Green and Nanochemistry(Elective)	3	4	
		<b>Total Credits:</b>		<b>Core Elective</b>	<b>12 4</b>
IV	CHE4C12	Instrumental Methods of Analysis	4	4	
	CHE4L10	Inorganic Chemistry Practical IV	3	3	
	CHE4L11	Organic Chemistry Practical IV	3	3	
	CHE4L12	Physical Chemistry Practical IV	3	3	
	CHE4E04	Petrochemicals and Cosmetics(Elective)	4	4	
	CHE4E05	Industrial Catalysis(Elective)	4	4	
	CHE4E06	Natural products & Polymer Chemistry (Elective)	4	4	
	CHE4E07	Material Science(Elective)	4	4	
	CHE4E08	Organometallic Chemistry	4	4	
	CHE4P01	Research Project	3	4	
	CHE4V01	Viva Voce		2	
		<b>Total Credits:</b>		<b>Core Elective Project Viva</b>	<b>13 8 4 2</b>
	<b>TOTAL CREDITS OF THE PROGRAMME :</b>				
	<b>CORE</b>				<b>62</b>
<b>ELECTIVE</b>				<b>12</b>	

	<b>PROJECT</b>	<b>4</b>
	<b>VIVA-VOCE</b>	<b>2</b>
	<b><i>TOTAL CREDITS</i></b>	<b>80</b>



UNIVERSITY OF CALICUT

Abstract

General and Academic- Faculty of Humanities- Syllabus of M.A.Sociology ( II Semester to IV Semester) Programme under CBCSS PG Regulations 2019 - for affiliated Colleges and SDE/Private Registration- with effect from 2019 Admission onwards - Implemented, subject to ratification by Academic Council- Orders Issued

**G & A - IV - B**

U.O.No. 2780/2020/Admn

Dated, Calicut University.P.O, 29.02.2020

- Read:-*1.UO. No. 4487/2019/Admn dated: 26.03.2019  
2.UO No.10111/2019/Admn dated 29.07.2019.  
3. Minutes of the meeting of the Board of Studies in Sociology-PG held from 06.08.2019 to 08.08.2019 (Item No.2).  
4. E mail received from the Dean, Faculty of Humanities, dated: 26.02.2020.

ORDER

1. 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/Private Registration with effect from 2019 Admission onwards has been implemented vide paper read as (1) above.
2. The Scheme and Syllabus of I Semester MA Sociology Programme in accordance with CBCSS PG Regulations 2019 for affiliated Colleges and SDE/Private Registration had been implemented in the University with effect from 2019 Admission onwards, vide paper read as (2) above.
3. The meeting of the Board of Studies in Sociology-PG held from 06.08.2019 to 08.08.2019 has approved the Scheme and Syllabus of II Semester to IV Semester of MA Sociology Programme restructured in tune with new CBCSS PG Regulation with effect from 2019 Admission onwards, vide paper read as (3) above.
4. The Dean, Faculty of Humanities has approved the item No.2 of the minutes of the meeting of the Board of Studies in Sociology-PG held from 06.08.2019 to 08.08.2019, vide paper read (4) above.
5. Under these circumstances, considering the urgency, the Vice-Chancellor has accorded sanction on 27.02.2020 to implement the Scheme and Syllabus of II Semester to IV Semester of MA Sociology 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.
6. The Scheme and Syllabus of II Semester to IV Semester of MA Sociology Programme in accordance with CBCSS PG Regulations 2019 for affiliated Colleges and SDE/Private Registration is therefore implemented in the University with effect from 2019 Admission onwards.
7. Orders are issued accordingly. (The Scheme & complete Syllabus appended )

Ajitha P.P

Joint Registrar

To

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



# University of Calicut

## Structure of the Courses in M.A. Sociology (CBCSS) Programme 2019

**Core Courses** : 60 Credits

**Elective Courses** : 12 Credits

**General External Viva-Voce ( Comprehensive)** : 4 Credits

**Dissertation** : 4 Credits

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**Total** : 80 Credits

### Semester I

Sl. No	Course Code	Type of Course	No. Of Credits
1	SOC1 C01	Core Course	5
2	SOC1 C02	Core Course	5
3	SOC1 C03	Core Course	5
4	SOC1 C04	Core Course	5
	SOC1 A01	Audit Course 1	4*
		Total	20

\* The students will have to undergo two audit courses with 4 credits each in the First and Second Semesters. The credits will not be counted for evaluating the overall SGPA & CGPA. Audit courses are not part of the normal workload.

### Semester II

Sl. No	Course Code	Type of Course	No. Of Credits
5	SOC2 C05	Core Course	5
6	SOC2 C06	Core Course	5
7	SOC2 C07	Core Course	5
8	SOC2 C08	Core Course	5
	SOC2 A02	Audit Course 2	4*
		Total	20

\* The students will have to undergo two audit courses with 4 credits each in the First and Second Semesters. The credits will not be counted for evaluating the overall SGPA & CGPA. Audit courses are not part of the normal workload.

### Semester III

Sl. No	Course Code	Type of Course	No. Of Credits
9	SOC3 C09	Core Course	5
10	SOC3 C10	Core Course	5
11		Elective Course	4
12		Elective Course	4
Total			18

### Semester IV

Sl. No	Course Code	Type of Course	No. Of Credits
13	SOC4 C11	Core Course	5
14	SOC4 C12	Core Course	5
15		Elective Course	4
	SOC4 P01	Dissertation	4
	SOC4 V01	Comprehensive External Viva-voce	4
Total			22

**Total Credits: 20+20+18+22= 80 Credits**

### Eligibility Criteria

Under Mark System :- Any UG Degree of this University or equivalent degree with at least 45% marks for Part III (excluding subsidiaries). OBC/OEC candidates are eligible to relaxation up to 5%. SC/ST candidates need only to get a pass.

Under Grade System :- Any UG Degree of this University or equivalent degree with each Core and Complementary course grade point at least equivalent to 50%. OBC/OEC candidates are eligible to relaxation up to 5%. SC/ST candidates need only to get a pass.

**LIST OF PAPERS****FIRST SEMESTER***Core Papers*

- SOC1 C01 FOUNDATIONS OF SOCIOLOGICAL THEORY
- SOC1 C02 RESEARCH METHODOLOGY OF SOCIOLOGY
- SOC1 C03 SOCIOLOGY OF INDIAN SOCIETY
- SOC1 C04 RURAL AND TRIBAL SOCIETIES IN INDIA
- SOC1 A01 Audit course 1 ABILITY ENHANCEMENT PROGRAMME

**SECOND SEMESTER***Core Papers*

- SOC2 C 05 SCHOOLS OF SOCIOLOGICAL THEORY I
- SOC2 C 06 RESEARCH METHODOLOGY II
- SOC2 C07 URBAN SOCIOLOGY
- SOC2 C08 GENDER STUDIES
- SOC2A02 Audit Course 2 SKILL DEVELOPMENT PROGRAMME

**THIRD SEMESTER***Core Papers*

- SOC3 C09 SCHOOLS OF SOCIOLOGICAL THEORY II
- SOC3 C10 SOCIOLOGY OF DEVELOPMENT: THEMES AND PERSPECTIVES

**Elective Papers** (Any three out of the following electives should be selected)

- SOC3 E01 ENVIRONMENTAL SOCIOLOGY**
- SOC3 E02 SOCIOLOGY OF MIGRATION AND DIASPORA**
- SOC3 E03 SOCIOLOGY OF HEALTH**
- SOC3 E04 SCIENCE , TECHNOLOGY AND SOCIETY
- SOC3 E05 PROJECT PLANNING AND PREPARATION

**FOURTH SEMESTER***Core Papers***SOC4 C11      CURRENT DEBATES IN SOCIAL THEORY****SOC4 C12      ECONOMIC SOCIOLOGY*****Elective Papers (Any one out of the following electives should be selected)*****SOC4 E06****GUIDANCE AND COUNSELLING****SOC4 E07****KERALA SOCIETY: STRUCTURE AND CHANGE****SOC4 E08****SOCIOLOGY OF MEDIA AND COMMUNICATION****SOC4P01****DISSERTATION****SOC4V01****VIVA - VOCE**



**UNIVERSITY OF CALICUT  
REGULATIONS FOR CHOICE BASED CREDIT SEMESTER SYSTEM (CBCSS)FOR  
MASTER OF COMMERCE PROGRAMME FOR AFFILIATED COLLEGES AND FOR SDE /  
PRIVATE REGISTRATION” IMPLEMENTED WITH EFFECT FROM 2019-20 ACADEMIC  
YEAR ©**

**1.0 Title of the programme**

This DEGREE shall be called **MASTER OF COMMERCE (M.Com.)**.

**2.0 Eligibility for admission**

Any candidate who has passed B. Com or BBA (earlier BBS) degree of University of Calicut or B. Com, BBA or BBS degree of any other University or institutes in any state recognised by UGC or AICTE and approved by University of Calicut with minimum of 45% marks or equivalent grade is eligible for admission. OBC and SC/ST students are eligible for mark/grade relaxation as per the University rules. In the case of B. Com (Honours) and B. Com (Professional) students, the minimum eligibility for admission is 50% for all categories of students.

**2.1 Admission Procedure**

Admission procedure stipulated by University from time to time shall be strictly followed.

**3.0 Duration of the programme**

The duration of the M. Com programme of study is two years divided into four semesters.

**4.0 Medium of Instruction**

The medium of instruction and examination shall be English.

**5.0 Scheme of Instruction and Examination**

**5.1 Semester One**

Course Code	Course Title	Internal Credit	External Credit	Total Credit	Teaching Hours	Type
MCM1C01	Business Environment & Policy	0.8	3.2	4	5	Core
MCM1C02	Corporate Governance & Business Ethics	0.8	3.2	4	5	Core
MCM1C03	Quantitative Techniques for Business Decisions	0.8	3.2	4	5	Core
MCM1C04	Management Theory and Organizational Behaviour	0.8	3.2	4	5	Core
MCM1C05	Advanced Management Accounting	0.8	3.2	4	5	Core
	<b>Total in Semester One</b>	<b>4.0</b>	<b>16.0</b>	<b>20</b>	<b>25</b>	

**Semester 5.1.1: Ability Enhancement Course (AEC)\***

Course Code	Course Title	Internal Credit	External Credit	Total Credit	Type
MCM1A01	Internship cum Organisation Study	0.8	3.2	4	Audit
MCM1A02	Case Study Preparation	0.8	3.2	4	Audit
MCM1A03	Communication/Mental Ability/Numerical Skill	0.8	3.2	4	Audit
MCM1A04	NET Coaching	0.8	3.2	4	Audit
MCM1A05	Designing with Block Chain Workshop/ Future Casting Workshop	0.8	3.2	4	Audit
MCM1A06	Model Project Preparation	0.8	3.2	4	Audit
MCM1A07	Soft Skill Development	0.8	3.2	4	Audit
MCM1A08	Presentation/Publication of research papers/Book Review	0.8	3.2	4	Audit

\*The institution can choose any one of the above courses. This course will not be counted for calculation of SGPA/CGPA

	<b>Grand Total in Semester One</b>	<b>4.8</b>	<b>19.2</b>	<b>24</b>	
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**5.2 Semester Two**

Course Code	Course Title	Internal Credit	External Credit	Total Credit	Teaching Hours	Type
MCM2C06	Advanced Corporate Accounting	3.2	0.8	4	5	Core
MCM2C07	Advanced Strategic Management	3.2	0.8	4	5	Core
MCM2C08	Advanced Cost Accounting	3.2	0.8	4	5	Core
MCM2C09	International Business	3.2	0.8	4	5	Core
MCM2C10	Management Science	3.2	0.8	4	5	Core
	<b>Total in Semester Two</b>	<b>16.0</b>	<b>4.0</b>	<b>20</b>	<b>25</b>	

### Semester 5.2.1: Professional Competency Course (PCC)\*

Course Code	Course Title	Internal Credit	External Credit	Total Credit	Type
MCM2A01	Business Analytics using R	3.2	0.8	4	Audit
MCM2A02	Big Data Analysis	3.2	0.8	4	Audit
MCM2A03	Live Project with Statistical Packages	3.2	0.8	4	Audit
MCM2A04	Spread Sheet Application	3.2	0.8	4	Audit
MCM2A05	Accounting Package Skill	3.2	0.8	4	Audit
MCM2A06	Computer Programming Skill	3.2	0.8	4	Audit
MCM2A07	Innovation/Entrepreneurship/Idea Pitching	3.2	0.8	4	Audit

\*The institution can choose any one of the above courses. This course will not be counted for calculation of SGPA/CGPA

	<b>Grand Total in Semester Two</b>	<b>4.8</b>	<b>19.2</b>	<b>24</b>	
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### 5.3 Semester Three

Course Code	Course Title	Internal Credit	External Credit	Total Credit	Teaching Hours	Type
MCM3C11	Financial Management	0.8	3.2	4	5	Core
MCM3C12	Income Tax Law, Practice and Tax Planning I	0.8	3.2	4	5	Core
MCM3C13	Research Methodology	0.8	3.2	4	5	Core
MCM3E01	Elective I	0.8	3.2	4	5	Elective
MCM3E02	Elective II	0.8	3.2	4	5	Elective
	<b>Total in Semester Three</b>	<b>4.0</b>	<b>16.0</b>	<b>20</b>	<b>25</b>	

## 5.4 Semester Four

Course Code	Course Title	Internal Credit	External Credit	Total Credit	Teaching Hours	Type
MCM4C14	Financial Derivatives & Risk Management	0.8	3.2	4	5	Core
MCM4C15	Income Tax Law, Practice and Tax Planning II	0.8	3.2	4	5	Core
MCM4E03	Elective III	0.8	3.2	4	5	Elective
MCM4E04	Elective IV	0.8	3.2	4	5	Elective
MCM4PV01	Project Work & Comprehensive Viva Voce	0.8	3.2	4	5	Dissertation & Viva
	<b>Total in Semester Four</b>	<b>4.0</b>	<b>16.0</b>	<b>20</b>	<b>25</b>	
	<b>Grand Total (5.1+5.1.1+5.2+5.2.1+5.3+5.4)</b>	<b>17.6</b>	<b>70.4</b>	<b>88</b>		

### Specialisation Electives

#### 5.1.1 Finance

MCM3EF01	Investment Management	3.2	0.8	4
MCM3EF02	Financial Markets & Institutions	3.2	0.8	4
MCM4EF03	International Finance	3.2	0.8	4
MCM4EF04	Advanced Strategic Financial Management	3.2	0.8	4

#### 5.1.2 Foreign Trade

MCM3EFT01	Foreign Trade Management	3.2	0.8	4
MCM3EFT02	Foreign Trade Policy and Procedures	3.2	0.8	4
MCM4EFT03	International Finance	3.2	0.8	4
MCM4EFT04	International Marketing and Logistic Management	3.2	0.8	4



M.A in English Language and Literature in the Affiliated  
Colleges

(CBCSS Scheme) 2019 of the University of Calicut.

**Semester 1**

Core courses

1. ENG1CO1 British Literature from Chaucer to 18 <sup>th</sup> century	(5 credits)
2. ENG1CO2 British Literature 19 <sup>th</sup> century	(5 credits)
3. ENG1CO3 History of English Language	(5 credits)
4. ENG1CO4 Indian Literature in English	(5 credits)
<b>Total Credits</b>	<b>20</b>

**Semester 2**

Core courses

5. ENG2 CO5 Twentieth century British Literature up to 1940	(5 credits)
6. ENG2 CO6 Literary Criticism and Theory - Part 1(up to New Criticism)	(5 credits)
7. ENG2 CO7 American Literature	(5 credits)
8. ENG2 CO8 Postcolonial writings	(5 credits)
<b>Total Credits</b>	<b>20</b>

**Semester 3**

Core course

9. ENG3 CO9 Twentieth century British Literature post 1940	(5 credits)
10. ENG3C10 Literary criticism and theory - Part 2	(5 credits)
11. Elective 1	(5 credits)
12. Elective 2	(5 Credits)
<b>Total Credits</b>	<b>20</b>

**List of Electives**

1. ENG3E01 Shakespeare Studies
2. ENG3 E02European Fiction in Translation
3. ENG3 E03 Women's Writing
4. ENG3 E04 Introduction to Linguistics
5. ENG3 E05 Introduction to Cultural Studies
6. ENG3 E06 Teaching of English
7. ENG3 E07 World Drama
8. ENG3 E08 Latino Literature
9. ENG3 E09 American Ethnic Writing

**Semester 4**

Core course

13. ENG4 C11 English Literature in the 21 <sup>st</sup> Century	(4 credits)
14. ENG4 C12 Dissertation / Project	(4 credits)
15. ENG4 C13 Comprehensive viva-voce	(4 credits)
16. Elective 1	(4 credits)
17. Elective 2	(4 Credits)
<b>Total Credits</b>	<b>20</b>

## List of Electives

1. ENG4 E10 Film Studies
2. ENG4 E11 Queer Studies
3. ENG4 E12 Literature and Ecology
4. ENG4 E13 Regional Indian Literature in Translation
5. ENG4 E14 Indian English Fiction
6. ENG4 E15 Introduction to Children's Literature
7. ENG4 E16 Dalit Studies
8. ENG4 E17 Writings from the Middle East
9. ENG4 E18 Malayalam Literature in English Translation

**Maximum credits**

**80**

### **Audit courses**

#### **AEC (Ability Enhancement Course)**

**(4 credits)**

1. ENG1 A01 Writing Skills

#### **Professional Competency Course (PCC)**

**(4 credits)**

1. ENG2 A02 Translation Theory and Practice

## **University of Calicut MA English (CBCSS) Syllabus 2019**

### **SEMESTER –I Four Core Courses**

- |                      |   |             |
|----------------------|---|-------------|
| 1. ENG1CO1           | British Literature from Chaucer to 18 <sup>th</sup> century | (5 credits) |
| 2. ENG1CO2           | British Literature 19 <sup>th</sup> century                 | (5 credits) |
| 3. ENG1CO3           | History of English Language                                 | (5 credits) |
| 4. ENG1CO4           | Indian Literature in English                                | (5 credits) |
| <b>Total Credits</b> |   | <b>20</b>   |

### **ENG1CO1 British Literature from Chaucer to 18<sup>th</sup> century (5 credits)**

#### **Section A (Poetry)**

- |                     |  |
|---------------------|--|
| Geoffrey Chaucer    | : “The General Prologue to Canterbury Tales” (first 100 lines) |
| William Shakespeare | : Sonnet 18. Shall I Compare thee to a Summer's Day            |
| John Donne          | : “The Canonization”   |
| John Milton         | : “Paradise Lost” Book 1 (lines up to 270)                     |
| John Dryden         | : “Mac Flecknoe”   |
| Andrew Marvell      | : “To His Coy Mistress”  |
| Thomas Gray         | : “Elegy written in a Country Churchyard”                      |

(All poems in section A are marked for annotation)

#### **Section B: Drama**

- |             |          |
|-------------|----------|
| Shakespeare | : Hamlet |
|-------------|----------|



UNIVERSITY OF CALICUT

**Abstract**

**General and Academic- Faculty of Humanities- Syllabus of M.A.History (I&II Semester) Programme under CBCSS PG Regulations 2019 for affiliated Colleges and SDE/Private Registration - with effect from 2019 Admission onwards - Implemented- Orders Issued**

**G & A - IV - B**

U.O.No. 9261/2019/Admn

Dated, Calicut University.P.O, 15.07.2019

*Read:-*1.UO. No. 4487/2019/Admn Dated: 26.03.2019

2.Minutes of the meeting of the Board of Studies in History-PG held on 27.06.2019 (Item no.2)

3.Letter received from the Dean, Faculty of Humanities, Dtd: 11.07.2019

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/Private Registration with effect from 2019 Admission onwards has been implemented vide paper read first above.

The meeting of the Board of Studies in History-PG held on 27.06.2019 has approved the Scheme and Syllabus of MA History (I&II Semester) 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 History-PG held on 27.06.2019, vide paper read third above.

Under these circumstances, considering the urgency, the Vice Chancellor has accorded sanction to implement the Scheme and Syllabus of MA History (I&II Semester) 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 MA History (I&II Semester) Programme in accordance with CBCSS PG Regulations 2019 for affiliated Colleges and SDE/Private Registration is therefore implemented 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  
Copy to: PS to VC/PA to PVC/ PA to Registrar/PA to CE/JCE I /JCE V/JCE VIII/DoA/EX and EG Sections/GA I F/ Digital Wing/CHMK Library/Information Centres/SF/DF/FC

Forwarded / By Order

Section Officer

**UNIVERSITY OF CALICUT**  
**POSTGRADUATE PROGRAMME**  
IN  
**HISTORY**



**CHOICE BASED CREDIT SEMESTER SYSTEM-PG**  
**(CBCSS PG-2019)**

**SCHEME & SYLLABUS**  
**(I & II SEMESTER)**  
**(2019-Admission Onwards)**

### Letter Grades with Grade Points and Marks Equivalence

Letter Grade	Grade Range	Grade Point	Merit/ Indicator
O	4.25-5.00	85-100	Outstanding
A+	3.75- 4.24	75 – 84.99	Excellent
A	3.25-3.74	65 – 74.99	Very Good
B+	2.75-3.24	55 – 64.99	Good
B	2.50-2.74	50 – 54.99	Above Average
C	2.25-2.49	45 – 49.99	Average
P	2.00-2.24	40 – 44.99	Pass
F	<2.00	0 - 39	Failed
I	0	-	Incomplete
Ab	0	-	Absent

### **COURSES OFFERED FOR M.A. HISTORY UNDER CHOICE BASED CREDIT SEMESTER SYSTEM (CBCSS) w.e.f. 2019 ADMISSION**

<b>Semester I</b>			
Course Code	Title	Type	Credit
HIS 1C01	Method of Historical Research	Core	5
HIS 1C02	Pre-Modern Kerala: Problems and Perspectives	Core	5
HIS 1C03	Problems, Perspectives and Debates in Early Indian History	Core	5
HIS 1C04	Early Bronze and Iron Age Civilisations	Core	5
HIS 1A 01	Personality Development	Audit	4
<b>OR</b>			
HIS 1A 02	Travel and Tourism Management	Audit	4

<b>Semester II</b>			
<b>Course Code</b>	<b>Title</b>	<b>Type</b>	<b>Credit</b>
HIS 2C01	History and Theory	Core	5
HIS 2C02	History of Modern Kerala: Problems and Perspectives	Core	5
HIS 2C03	State and Society in Medieval India	Core	5
HIS 2C04	Selected Problems of medieval and Modern World History	Core	5
HIS 2A 01	Indian Numismatics	Audit	4
	OR		
HIS 2A 02	Archival Studies	Audit	4
	OR		
HIS 2A 03	Perspectives on Museology	Audit	4
<b>Semester III</b>			
HIS 3C01	Perspectives on Colonialism in India	Core	5
HIS 3C02	Discourses on Indian Nationalism	Core	5
Electives*	Group I		
HIS 3E 01	Emerging Trends in Early Indian History	Elective	4
HIS 3E 02	Perspectives and Debates on Early Tamilakam	Elective	4
HIS 3E 03	Knowledge and Culture in Early India	Elective	4
Electives*	Group II		
HIS 3E 04	Selected Themes in Economic History of Medieval India	Elective	4
HIS 3E 05	Aesthetic Traditions of Medieval India	Elective	4
HIS 3E 06	Recent Perspectives on Social History of Kerala	Elective	4
Electives*	Group III		
HIS 3E 07	Social Movements in Modern India	Elective	4
HIS 3E 08	Economic History of Modern India	Elective	4
HIS 3E 09	Gender and Caste in Modern India	Elective	4
*Students shall choose 2 Electives from any one of the three groups provided; Electives shall be chosen from a single group only.			

<b>Semester IV</b>			
<b>HIS 4C01</b>	<b>Problems and Debates in Contemporary India</b>	<b>Core</b>	<b>4</b>
<b>HIS 4C02</b>	<b>Selected Themes in Pre-modern South India</b>	<b>Core</b>	<b>4</b>
<b>Electives*</b>	<b>Group I</b>		
<b>HIS 4E 01</b>	<b>Archaeology: Theory and Practice</b>	<b>Elective</b>	<b>3</b>
<b>HIS 4E 02</b>	<b>Human Geography</b>	<b>Elective</b>	<b>3</b>
<b>HIS 4E 03</b>	<b>Science and Technology in Medieval India</b>	<b>Elective</b>	<b>3</b>
<b>HIS 4E 04</b>	<b>Perspectives on Environmental History of india</b>	<b>Elective</b>	<b>3</b>
<b>Electives*</b>	<b>Group II</b>		
<b>HIS 4E 05</b>	<b>Indian Epigraphy</b>	<b>Elective</b>	<b>3</b>
<b>HIS 4E 06</b>	<b>Indian Literature in Historical Perspectives</b>	<b>Elective</b>	<b>3</b>
<b>HIS 4E 07</b>	<b>Oral History of Kerala</b>	<b>Elective</b>	<b>3</b>
<b>HIS 4E 08</b>	<b>Archival studies and Documentation in India</b>	<b>Elective</b>	<b>3</b>
<b>HIS 4P 01</b>	<b>Project</b>		<b>6</b>
<b>HIS 4V 01</b>	<b>Viva voce</b>		<b>2</b>
<b>*Students shall Choose 1 Elective from each group</b>			