



CARMEL COLLEGE, MALA

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

Thrissur Dt., Kerala- 680732, Ph:04802890247, Fax: 04802890247

E-mail: carmelcollege@rediffmail.com, Website: www.carmelcollegemala.ac.in



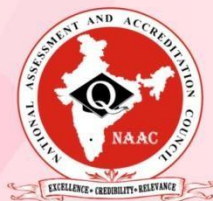
Criteria I

Curricular Aspects

1.2.1 Number 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. 1.5 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

Forwarded / By Order

Section Officer

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 st Complementary Course I - Mathematics | 72 | 4 | 3 |
| | | 2 nd Complementary Course I | 36 | 2 | 2 |
| | | 2 nd Complementary Course Practical I | 36 | 2 | * |
| | EO1 | Environment Studies | - | - | 4** |
| | Total | 450 | 25 | 18 | |
| 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 st Complementary Course II - Mathematics | 72 | 4 | 3 |
| | | 2 nd Complementary Course II | 36 | 2 | 2 |
| | | 2 nd Complementary Course Practical II | 36 | 2 | * |
| | E02 | Disaster Management | | | 4** |
| | Total | 450 | 25 | 18 | |
| 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 st Complementary Course III – Mathematics | 90 | 5 | 3 |
| | | 2 nd Complementary Course III | 54 | 3 | 2 |
| | | 2 nd Complementary Course Practical III | 36 | 2 | * |
| | E03 | Human Rights or Intellectual Property Rights or Consumer protection | | | 4** |
| | | Total | 450 | 25 | 14 |
| 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 | 5 |
| | APH4 B05(2) | Core Course Practical V(2) – Practical I(2) | 36 | 2 | 4 |
| | | 1 st Complementary Course IV– Mathematics | 90 | 5 | 3 |
| | | 2 nd Complementary Course IV | 54 | 3 | 2 |
| | | 2 nd Complementary Course Practical IV | 36 | 2 | 4 |
| | E04 | Gender studies or Gerontology | | | 4** |
| | Total | 450 | 25 | 27 | |
| 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 |
| | | Open Course – (<i>course from other streams</i>) | 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 | * |
| | Total | 450 | 25 | 15 | |
| 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 |
| | Total | 450 | 25 | 28 |
| Total Credits | | | | 120 |

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-Architecture 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 | 18 | 500 |
| 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 | 18 | 500 |
| 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 | 14 | 375 |
| 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 | 27 | 675 | |
| 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 | 15 | 375 |

| | | | |
|--------------------|--|-------------|------------|
| 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 |
| | Total | 28 | 650 |
| Grand Total | 120 | 3075 | |



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. I.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 | |
| Total | | 120 | |

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 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. I.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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Section Officer



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 | |
|--------------|---------------------------------|---|--|--------------|-----------|-------------|----|
| I | CHE1B01 | Core Course I: Theoretical and Inorganic Chemistry- I | 2 | 32 | 2 | 75 | |
| | - | Core Course V : Inorganic Chemistry Practical-I | 2 | 32 | -* | - | |
| II | CHE2B02 | Core Course II: Theoretical and Inorganic Chemistry- II | 2 | 32 | 2 | 75 | |
| | - | Core Course V : Inorganic Chemistry Practical-I | 2 | 32 | -* | - | |
| III | CHE3B03 | Core Course III: Physical Chemistry-I | 3 | 48 | 3 | 75 | |
| | - | Core Course V : Inorganic Chemistry Practical-I | 2 | 32 | -* | - | |
| IV | CHE4B04 | Core Course IV: Organic Chemistry-I | 3 | 48 | 3 | 75 | |
| | CHE4B05(P) | Core Course V : Inorganic Chemistry Practical-I | 2 | 32 | 4 | 100 | |
| V | 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 | -** | - | |
| VI | 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 # | 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 | | |
| Total | | | | | 55 | 1475 | |

* Exam will be held at the end of 4th semester

** Exam will be held at the end of 6th semester

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

#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

G & A - IV - J

U.O.No. 9202/2019/Admn

Dated, Calicut University.P.O, 12.07.2019

*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. 1.12 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

To

The Principals of all Affiliated Colleges

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Section Officer

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

| <i>Semester</i> | <i>Course</i> | <i>Credits</i> | <i>Marks</i> |
|-----------------|---|----------------|--------------|
| I | 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 |
| | Total | 20 | 575 |
| II | 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 |
| | Total | 22 | 625 |
| III | 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 |
| | Total | 19 | 525 |
| IV | 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 |
| | Total | 35 | 925 |

| <i>Semesters</i> | <i>Course</i> | <i>Credits</i> | <i>Marks</i> |
|------------------|--|----------------|--------------|
| V | 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 |
| | Total | 19 | 475 |
| VI | 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 |
| | Total | 25 | 650 |
| | Grand Total | 140 | 3775 |

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"> • Human Genetics • Aquaculture, Animal Husbandry & Poultry science • Applied Entomology (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 | |
| | | | Total | | | 58 | 1220 | 305 | 1525 | |

Core courses 1450 + Open course 75 = 1525 Marks

Scheme of evaluation: External 80 % +Internal 20 %

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

** Practical examination for 5th and 6th 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.

G & A - IV - J

U.O.No. 11088/2019/Admn

Dated, Calicut University.P.O, 21.08.2019

- Read:-*1. U.O.No. 4368/2019/Admn dated 23.03.2019
2. The minutes of the meeting of the Board of Studies in 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**

| LEGEND | |
|---------------|--------------------|
| Item | Description |
| C | Credits |
| E | External Component |
| I | Internal Component |
| L | Lecture Hours |
| P | Practical Hours |
| T | Total |

| Semester I | | | | | | | | | |
|-------------------|--------------------|--|-----------|--------------|----------|------------|---------------|----------|-----------|
| No | Course Code | Course Name | C | Marks | | | Hrs/wk | | |
| | | | | I | E | T | L | P | T |
| 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 |
| Total | | | 19 | | | 475 | 23 | 2 | 25 |

| 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 |
| Total | | | 25 | | | 625 | 23 | 2 | 25 |
| 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 |
| Total | | | 17 | | | 425 | 21 | 4 | 25 |

| Semester IV | | | | | | | | | |
|--------------------|-------------|--|-----------|-------|----|------------|-----------|----------|-----------|
| 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 |
| Total | | | 21 | | | 525 | 21 | 4 | 25 |
| Semester V | | | | | | | | | |
| 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 |
| Total | | | 15 | | | 375 | 17 | 8 | 25 |

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 |
| Total | | | 23 | | | 600 | 17 | 8 | 25 |

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 |
| Total | | 25 | 19 | 95 | 380 | 475 |

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 |
| Total | | 25 | 19 | 95 | 380 | 475 |

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 |
| Total | | 25 | 20 | 100 | 400 | 500 |

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 |
| Total | | 25 | 20 | 100 | 400 | 500 |

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 |
| Total | | 25 | 22 | 110 | 440 | 550 |

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 |
| Total | | 25 | 20 | 110 | 440 | 550 |



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.1 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.

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:-

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

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

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

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

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.

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

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.

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.

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

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.

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.

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 Sections/GA I F/CHMK Library/Information Centres/SF/DF/FC

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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 | Literatures in English: From Chaucer to the Present | 6 | 4 | 1/2 |
| 2 | FEN4(3)CO1 | Literatures in English: American & Post Colonial | 6 | 4 | 3/4 |
| 3 | FEN1(2)CO2 | Cultural Studies: Perspectives in Culture | 6 | 4 | 1/2 |
| 4 | FEN4(3)CO2 | Cultural Studies: 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 | English for Competitive Examinations | 2 | 3 | 5 |
| 2 | FEN5DO2 | Language for advertising: theory and practice | | | |
| 3 | FEN5DO3 | Language for professional Success | | | |

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. [REDACTED]

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)

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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Section Officer

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 HISTORICAL WRITING | 2 Hours each in 5 th and 6 th Semesters | V&VI | 2 |
| TOTAL CREDIT | | | | | 60 |

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

G 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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Section Officer

**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 |
|----|-------------------|---|---|

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 | * |
| | Total | 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 |
| | Total | 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 (VIIth 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 | | |
| | ELECTIVE CORE (Choose any one) SGY6 B.15: LIFE SKILL EDUCATION / SGY 6B.16: SOCIAL INFORMATICS/ SGY 6B.17: MASS MEDIA AND SOCIETY | 4 | ELECTIVE CORE(Choose any one) SGY6 B20:CRIME AND SOCIETY/ SGY 6B21: SOCIOLOGICAL PERSPECTIVES OF DEVELOPMENT / SGY 6B22: EDUCATIONAL SOCIOLOGY | 5 |
| OPEN COURSE | | | | |
| 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 |
| PROJECT / SUBSTITUTING METHODOLOGY COURSE | | | | |
| VI | SGY6 B18: PROJECT WORK SGY6B19: PROJECT: PLANNING AND MANAGEMENT | 2 | SGY6 B23: PROJECT WORK | 3 |

**LLIST 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 | Addl. 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 |
| Addl. 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 I | | | 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 |
| Addl. 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 I | | | 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 | | | | | |
|--------|----------------|--|--|--|--|--|

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

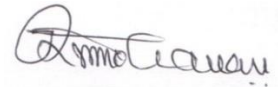
Minutes of the meeting of the Board of Studies in B. Voc. Agriculture held on 19-08-2019 at 10.30 am in the AD block of the University.

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 |
| Semester I | | | | | | | |
| 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 |
| Total | | | 30 | 30 | | | 700 |
| Semester II | | | | | | | |
| 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 |
| Total | | | 30 | 30 | | | 700 |
| Semester III | | | | | | | |
| 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 |
| Total | | | 30 | 30 | | | 700 |
| Semester IV | | | | | | | |
| 4.1 | GEC4EG10 | English A04 | 4 | 4 | 20 | 80 | 100 |
| 4.2 | GEC4IT11 | Information Technology | 4 | 4 | 20 | 80 | 100 |
| 4.3 | GEC4SA12 | Soil and Agricultural Microbiology | 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 |
| Total | | | 30 | 30 | | | 700 |
| Semester V | | | | | | | |
| 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 |
| Total | | | 30 | 30 | | | 700 |
| Semester VI | | | | | | | |
| 6.1 | SDC6AG22 | Major Internship/Main Project and Dissertation | | 30 | | 700 | 700 |
| Total | | | | 30 | | 700 | 700 |
| Total for General Courses | | | | 56 | 280 | 1120 | 1400 |
| Total for Skill Development Courses | | | | 124 | 380 | 2220 | 2800 |
| Grand Total | | | | 180 | 660 | 3340 | 4200 |

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 |
| Semester I Total | | | 30 | | | 700 | 315 | 135 | 450 |
| Job Roles with QP Codes : | | Aligned : BSC/Q0301 Business Correspondent / Business Facilitator SSC/Q 2212 Domestic Data Entry Operator BSC / Q 1001 Accounts Executive (Recording and Reporting) | | | | | | | |
| | | Not Aligned 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 | MAL2A02(2) Malayalam-Bhashayum Sahithyavum-II | 4 | 20 | 80 | 100 | 60 | | 60 |
| | GEC2HD05 | A09 (3) – Poetry and short stories | | | | | | | |
| 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 | 3 | 20 | 80 | 100 | | | |
| | | Bank Test Coaching | 2 | | | | | 75 | 75 |
| 2.7 | SDC2AT08(Pr) | Mini project / Internship | 4 | 0 | 100 | 100 | | 60 | 60 |
| Semester II Total | | | 30 | | | 700 | 315 | 135 | 450 |
| Job Roles with QP Codes : | Aligned : | | | | | | | | |
| | BSC / Q1201 Accounts Executive (Payroll) BSC/Q 1101 Accounts Executive | | | | | | | | |
| Job Roles with QP Codes : | Not Aligned | | | | | | | | |
| | Assistant Cost Analyst Assistant Cost Accountant | | | | | | | | |
| SEMESTER III | | | | | | | | | |
| 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 |
|--|--|--|-----------|-------|-----|------------|------------|------------|------------|
| Semester III Total | | | 30 | | | 700 | 315 | 135 | 450 |
| Job Roles with QP Codes : | Aligned : | | | | | | | | |
| | 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 | | | | | | | | |
| Not Aligned : | | | | | | | | | |
| Assistant Financial Analyser Assistant Tax Consultant Assistant Tax Accountant | | | | | | | | | |
| SEMESTER IV | | | | | | | | | |
| NSQF Level 6 | | | | | | | | | |
| 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 |
| Semester IV Total | | | 30 | | | 700 | 315 | 135 | 450 |

| | |
|----------------------------------|---|
| Job Roles with QP Codes : | <p>Aligned :</p> <p>BSC/Q 1101 Accounts Executive (Statutory Compliance)</p> <p>BSC / N 1101 - Service Tax compliance</p> <p>BSC/Q0910 Goods & 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 & Services Tax (GST) Accounts Assistant</p> <p>Not Aligned :</p> <p>Tax Consultant</p> <p>Risk Analyser</p> <p>Entrepreneurship Consultant</p> <p>Auditing Assistant</p> <p>Auditing Associate</p> |
|----------------------------------|---|

SEMESTER V

| C. No | Course Code | Course Name | Credit | Marks | | | Hrs/ 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 |
| Semester V Total | | | 30 | | | 700 | 315 | 135 | 450 |

| Job Roles with QP Codes : | Aligned : SSC/Q2501 Associate-Recruitment (HR) SSC/Q2502 Associate-HRO BSC/Q 0201 Equity Dealer (Capital market) BSC/Q1201 Senior Accountant | | | | | | | | |
|--|--|---------------------------------|------------|-------|-----|-------------|-----|-----|-------------|
| | Not Aligned : Online Share Trader Research Assistant Market Analyst Online Marketing Executive | | | | | | | | |
| SEMESTER VI | | | | | | | | | |
| NSQF Level 7 | | | | | | | | | |
| 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 |
| Semester VI Total | | | 30 | | | 100 | | | 900 |
| Grant Total | | | 180 | | | 3600 | | | 3150 |
| Job Roles with QP Codes : | Aligned : 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 | | | | | | | | |
| | Not Aligned : 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

&
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 | | | |
| | 1.2 | GEC1MT01 | Mathematics I | 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 |
| | | | | | Total | | |

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 |
| Semester I Total | | | 30 | | | 700 | 315 | 135 | 450 |
| | | <p>Aligned: Business Correspondent/ Business Facilitator - BSC/ Q 0301 Accounts Executive-recording and reporting-BSC/Q1001 Small and Medium Enterprise Officer – BSC/Q 0501</p> <p>Not Aligned: Account Assistant using Tally</p> | | | | | | | |

| | Life Insurance Agent Accounts executive- Insurance | | | | | | | | |
|---------------------------------|---|---|-----------|-------|-----|------------|------------|------------|------------|
| 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 | 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 |
| Semester II Total | | | 30 | | | 700 | 315 | 135 | 450 |
| Job Roles with QP Codes: | | Aligned: Loan Processing Officer (BSC /Q2304) Loan approval officer (BSC / Q 0401) Accounts Executive (BSC/Q 1101) Management analyst and consultant Not Aligned Assistant Cost Analyst Associate Accountant | | | | | | | |
| SEMESTER III | | | | | | | | | |
| 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 |
| Semester III Total | | | 30 | | | 700 | 315 | 135 | 450 |
| Job Roles with QP Codes: | | <p>Aligned: 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>Not Aligned: Assistant Cost Accountant Financial Analyser Marketing Analyst</p> | | | | | | | |
| SEMESTER IV | | | | | | | | | |
| 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 |

| | | Insurance | | | | | | | |
|----------------------------------|--------------|--|-----------|-------|-----|------------|------------|------------|------------|
| 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 |
| Semester IV Total | | | 30 | | | 700 | 315 | 135 | 450 |
| Job Roles with QP Codes : | | Aligned: Entrepreneurship consultant Mutual Fund Agent Q 0601 Equity dealer BSC/Q020 AccountsExecutive-payablesand receivables BSC/Q 0901 Not Aligned: Auditing assistant Auditing associate | | | | | | | |
| SEMESTER V | | | | | | | | | |
| C. No | Course Code | Course Name | Credit | Marks | | | H rs/ 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 | E3 : Mutual fund operations E4 : Retail banking & operations | 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 |

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

UNIVERSITY OF CALICUT



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 Sahithyavum-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 |
| Semester I Total | | | 30 | | | 700 | 240 | 210 | 450 |
| Qualification Pack | | Aligned: 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 Sahithyavum-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 |
| Semester II Total | | | 30 | | | 700 | 240 | 210 | 450 |

Qualification Pack

Aligned:
Packing Checker TSC/Q 0501
Assistant Fashion Designer AMH/Q1210
Self- Employed Tailor AMH/Q1947

SEMESTER III

| 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 |
| Semester III Total | | | 30 | | | 700 | 240 | 210 | 450 |

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(P) | Internship/ Mini project | 4 | 0 | 100 | 100 | | 60 | 60 |
| Semester IV Total | | | 30 | | | 700 | 255 | 195 | 450 |
| Qualification Pack | | Aligned 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 |
| Semester V Total | | | 30 | | | 700 | 240 | 210 | 450 |

Qualification Pack Aligned

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

NSQF Level 7

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

| | | | | | | | | | |
|--------------------------|--|--|------------|--|--|-------------|--|--|-------------|
| Semester VI Total | | | 30 | | | 100 | | | 900 |
| Grand Total | | | 180 | | | 3600 | | | 3150 |

Qualification Pack Aligned

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
MULTIME

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 |
| Semester I Total | | | 30 | | | 700 | 21 | 9 | 30 |
| 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 |
| Semester II Total | | | 30 | | | 700 | 21 | 9 | 30 |
| SEMESTER III | | | | | | | | | |
| 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 |
| Semester III Total | | | 30 | | | 700 | 21 | 9 | 30 |
| SEMESTER IV | | | | | | | | | |
| 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 |
| Semester IV Total | | | 30 | | | 700 | 21 | 9 | 30 |
| SEMESTER V | | | | | | | | | |

| 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 |
| Semester V Total | | | 30 | | | 700 | 21 | 9 | 30 |
| SEMESTER VI | | | | | | | | | |
| C. No | Course Code | Course Name | Credit | Marks | | | Hr s | | |
| | | | | Int | Ext | Tot | T | P | Tot |
| 6.1 | SDC6MM22 (Pr) | Internship & Project (900 hrs.) | 30 | 0 | 100 | 100 | | 900 | 900 |
| Semester VI Total | | | 30 | | | 100 | | | 900 |
| Grant Total | | | 180 | | | 3600 | | | |

Semester 1

| |
|-------------------|
| SEMESTER I |
|-------------------|

| 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 GEC1HD02 | MAL1A01(2) Malayalam - Bhashayum Sahithyavum-I A07(3) Hindi – 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 |
| Semester I Total | | | 30 | | | 700 | 21 | 9 | 30 |

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 |
| Semester I Total | | | 30 | | | 700 | 21 | 9 | 30 |
| 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 |
|---------------------------|---------------|---|-----------|-------|-----|------------|-----------|----------|-----------|
| Semester II Total | | | 30 | | | 700 | 21 | 9 | 30 |
| SEMESTER III | | | | | | | | | |
| C. No | Course Code | Course Name | Cred it | Marks | | | H rs/ 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 |
| Semester III Total | | | 30 | | | 700 | 21 | 9 | 30 |
| SEMESTER IV | | | | | | | | | |
| C. No | Course Code | Course Name | Cred it | 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 |
| Semester IV Total | | | 30 | | | 700 | 21 | 9 | 30 |
| SEMESTER V | | | | | | | | | |
| C. No | Course Code | Course Name | Cred it | Marks | | | H rs/ 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 |
| Semester V Total | | | 30 | | | 700 | 21 | 9 | 30 |
| SEMESTER VI | | | | | | | | | |
| 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 |
| Semester VI Total | | | 30 | | | 100 | | | 900 |
| Grant Total | | | 180 | | | 360 | | | |

Semester 1

| 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 | 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 |
| Semester I Total | | | 30 | | | 700 | 21 | 9 | 30 |

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 |

| UNIVERSITY OF CALICUT | | | | |
|---|--|----------|----------|---------------|
| M.Sc. Programme in Botany (CBCSS) (from 2019 admissions onwards) | | | | |
| Programme, structure of courses and distribution of credits | | | | |
| Course | Title | Credits | | |
| | | Internal | External | Total credits |
| Semester I | | | | |
| 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 |
| Semester II | | | | |
| 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 |
| Semester III | | | | |
| 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 |
| Semester IV | | | | |
| BOT04ET01 | Elective I | 20% | 80% | 5 |
| BOT04ET02 | Elective II | 20% | 80% | 5 |
| BOT04EP01 | Practicals of Electives | 20% | 80% | 2 |
| BOT04DN | Dissertation | 20% | 80% | 5 |
| BOT04VV | Viva voce | 0% | 100% | 3 |
| Total | | | | 80 credits |
| Audit Courses (To be completed within the first three semesters by the students) | | | | |
| 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 ^a | 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 ^a | 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**

| | | e | Credits | Hours/Week | Core/Elective |
|---|---------|-------------------------|---------|------------|---------------|
| 1 | MAT4C14 | Dissertation | 8 | 8 | Core |
| 2 | | Elective 2 ^b | | | Elective |
| 3 | | Elective 3 ^l | | | Elective |
| 4 | | Elective 4 ^b | | | Elective |
| 5 | | Elective 5 ^b | | | Elective |

^a Evaluation of these courses will be as per the latest PG regulations.^bTotal credit for Electives 2, 3, 4 and 5 is 12.

List of Electives for 3rd 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 4th 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 ^c | 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 ^c | MAT4E09 | Measure and Integration | 3 | 3L+1T |
| 10 ^c | MAT4E10 | Non-Linear Programming | 2 | 2L+1T |
| 11 ^c | MAT4E11 | Operations Research | 3 | 3L+1T |
| 12 | MAT4E12 | Wavelet Theory | 4 | 4L+1T |

1. ^c **MAT4E03: Advanced Topics in Measure and Integration(4 Credits) and MAT4E09: Measure and Integration(3 credits) cannot be offered simultaneously**
2. ^c **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. I.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

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

Forwarded / By Order

Section Officer

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 |
|-----------|-------------|---|------------------|-----------|
| I | 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 | - |
| | | Total credits: | Core | 16 |
| II | 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 |
| | | Total credits: | Core | 21 |
| | 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 | |
| | | Total Credits: | | Core Elective | 12 4 |
| 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 Chemistry (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 | |
| | | Total Credits: | | Core Elective Project Viva | 13 8 4 2 |
| | TOTAL CREDITS OF THE PROGRAMME : | | | | |
| | CORE | | | | 62 |
| ELECTIVE | | | | 12 | |

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



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

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/DoA/CHMK Library/Information Centres/SF/DF/FC

Forwarded / By Order

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

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.)**.

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.

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.

Scheme of Instruction and Examination

Semester One

| Course Code | Course Title | Interna 1 Credit | Externa 1 Credit | Total Credit | Teachin g 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 |
| | Total in Semester One | 4.0 | 16.0 | 20 | 25 | |

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

| | | | | | |
|--|------------------------------------|------------|-------------|-----------|--|
| | Grand Total in Semester One | 4.8 | 19.2 | 24 | |
|--|------------------------------------|------------|-------------|-----------|--|

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 |
| | Total in Semester Two | 16.0 | 4.0 | 20 | 25 | |

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

| | | | | | |
|--|------------------------------------|------------|-------------|-----------|--|
| | Grand Total in Semester Two | 4.8 | 19.2 | 24 | |
|--|------------------------------------|------------|-------------|-----------|--|

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 |
| | Elective I | 0.8 | 3.2 | 4 | 5 | Elective |
| MCM3E02 | Elective II | 0.8 | 3.2 | 4 | 5 | Elective |
| | Total in Semester Three | 4.0 | 16.0 | 20 | 25 | |

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 |
| | Total in Semester Four | 4.0 | 16.0 | 20 | 25 | |
| | Grand Total (5.1+5.1.1+5.2+5.2.1+5.3+5.4) | 17.6 | 70.4 | 88 | | |

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 th century | (5 credits) |
| 2. ENG1CO2 British Literature 19 th century | (5 credits) |
| 3. ENG1CO3 History of English Language | (5 credits) |
| 4. ENG1CO4 Indian Literature in English | (5 credits) |
| Total Credits | 20 |

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) |
| Total Credits | 20 |

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) |

To

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 st 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) |
| Total Credits | 20 |

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 th century | (5 credits) |
| 2. ENG1CO2 | British Literature 19 th century | (5 credits) |
| 3. ENG1CO3 | History of English Language | (5 credits) |
| 4. ENG1CO4 | Indian Literature in English | (5 credits) |

Total Credits

20

ENG1CO1 British Literature from Chaucer to 18th 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

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

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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

| Semester I | | | |
|-------------------|---|--------------|----------|
| 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 |
| OR | | | |
| HIS 1A 02 | Travel and Tourism Management | Audit | 4 |

| Semester II | | | |
|---|---|-----------------|---------------|
| Course Code | Title | Type | Credit |
| 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 |
| Semester III | | | |
| 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. | | | |

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



UNIVERSITY OF CALICUT

Abstract

General and Academic- Faculty of Humanities- Scheme and Syllabus of Integrated MA Sociology Programme under CBCSS Regulations for Integrated Programmes 2020, with effect from 2020 Admission onwards - Implemented- Orders Issued

G & A - IV - B

U.O.No. 9128/2021/Admn

Dated, Calicut University.P.O, 08.09.2021

- Read:-*1. U.O. No. 4852/2021/Admn dated 26.04.2021
2. Minutes of the combined meeting of the BoS, Sociology UG and PG, dtd. 20.07.2021
3. Remarks of the Dean, Faculty of Humanities, dtd.10.08.2021
4. Orders of Vice Chancellor dated 10-08-2021

ORDER

1. The Regulations for the Integrated Programmes under Choice Based Credit Semester System (CBCSS) for Affiliated Colleges with effect from 2020 Admission onwards has been implemented, vide paper read (1) above.
2. The combined meeting of the Board of Studies in Sociology (UG) and (PG) held on 20.07.2021, approved the Scheme and Syllabus of the newly sanctioned Integrated MA Sociology (5 years) Programme with effect from 2020 Admission onwards, vide paper read (2) above.
3. The Dean, Faculty of Humanities has approved the minutes of the combined meeting of the Board of Studies in Sociology UG and PG held on 20.07.2021, vide paper read (3) above.
4. Under these circumstances, considering the urgency, the Vice Chancellor has accorded sanction to implement the Scheme and Syllabus of Integrated MA Sociology Programme in accordance with the Regulations for the Integrated Programmes under Choice Based Credit Semester System (CBCSS) 2020, with effect from 2020 Admission onwards, subject to ratification by the Academic Council.
5. The Scheme and Syllabus of Integrated MA Sociology Programme in accordance with the Regulations for the Integrated Programmes under Choice Based Credit Semester System (CBCSS) 2020 for affiliated Colleges is therefore implemented in the University, with effect from 2020 Admission onwards.
6. Orders are issued accordingly. (Syllabus appended)

Arsad M

Assistant Registrar

To

1. The Principals of all Affiliated Colleges
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Section Officer

UNIVERSITY OF CALICUT



SCHEME & SYLLABUS
OF

INTEGRATED MA SOCIOLOGY PROGRAMME

(2020-21 Academic Year onwards in Affiliated Colleges)

INTEGRATED MA SOCIOLOGY PROGRAMME**(2020 ADMISSION ONWARDS)**

| Semester | Type of Course | Course Code | Name of the Course | Credit | |
|--|-----------------------|--------------------|---|---------------|---|
| I | Core | SOC1IB01 | Fundamentals Of Sociology | 4 | 6 |
| II | Core | SOC2IB02 | Structure And Transformation Of Indian Society | 4 | 6 |
| III | Core | SOC3IB03 | Classical Sociological Thinkers | 4 | 5 |
| III | Core | SOC3IB04 | Social Stratification And Inequalities: An Introduction | 4 | 4 |
| III | General | SOC4IA11 | | 4 | 4 |
| III | General | SOC4IA12 | | 4 | 4 |
| IV | Core | SOC4IB05 | Basics Of Social Research | 4 | 5 |
| IV | Core | SOC4IB06 | Rural And Urban Sociology | 4 | 4 |
| IV | General | SOC4IA13 | | 4 | 4 |
| IV | General | SOC4IA14 | | 4 | 4 |
| V | Core | SOC5IB06 | Introduction to Social Anthropology | 4 | 5 |
| V | Core | SOC5IB07 | Women And Society | 4 | 5 |
| V | Core | SOC5IB08 | Basics of Social Psychology | 4 | 5 |
| Any one of the Open Courses to be offered by the Department | | | | | |
| V | Open | SOC5ID01 | Life Skill Development | 3 | 3 |
| V | Open | SOC5ID01 | Kerala Society: Structure And Transformation | 3 | |

| | | | | | |
|-------------|-----------------------|----------|--|----|---|
| V | Project(Minor) | SOC6IF01 | Project | | 2 |
| VI | Core | SOC6IB09 | Schools Of Sociological Theory- 1 | 4 | 6 |
| VI | Core | SOC6IB10 | Population And Society | 4 | 6 |
| VI | Core | SOC6IB11 | Media and Society | 4 | 6 |
| VI | Core | SOC6IB12 | Crime and Society | 4 | 5 |
| VI | Project(Minor) | SOC6IF01 | Project | 3 | 2 |
| VII | Core | SOC7IB13 | Preliminaries Of Sociological Theory | 5 | 7 |
| VII | Core | SOC7IB14 | Social Research Methodology I | 5 | 6 |
| VII | Core | SOC7IB15 | Indian Society : A Sociological Analysis | 5 | 6 |
| VII | Core | SOC7IB16 | Gender And Society | 5 | 6 |
| VII | Audit | SOC7II05 | Ability Enhancement Course | ** | |
| VIII | Core | SOC8IB17 | Schools Of Sociological Theories II | 5 | 7 |
| VIII | Core | SOC8IB18 | Social Research Methodology II | 5 | 6 |
| VIII | Core | SOC8IB19 | Environment and Society | 5 | 6 |
| VIII | Core | SOC8IB20 | Sociology of Keralam | 5 | 6 |
| VIII | Audit | SOC8II06 | Professional Competency Course | ** | |
| IX | Core | SOC9IB21 | Schools of Sociological Theories - III | 5 | 7 |
| IX | Core | SOC9IB22 | Sociology Of | 5 | 6 |

| | | | | | |
|---------------------------------|---------------------------|-----------|--|---|---|
| | | | Development | | |
| Any Two of The Following | | | | | |
| IX | Elective | SOC9IE01 | Project Planning and Implementation | 4 | 6 |
| IX | Elective | SOC9IE02 | Sociology And Social Work | 4 | 6 |
| IX | Elective | SOC9IE03 | Counselling : Theory And Practice | 4 | 6 |
| X | Core | SOC10IB23 | Current Debates In Social Theory | 5 | 8 |
| X | Core | SOC3IB24 | Economy and Society | 5 | 8 |
| Any One of the following | | | | | |
| X | Elective | SOC10IE04 | Society, Science And Technology | 4 | 7 |
| X | Elective | SOC10IE05 | Sociology Of Food | 4 | |
| X | Elective | SOC10IE06 | Community Health And Health Administration | 4 | |
| X | Project(Major) | SOC6IF02 | Dissertation | 4 | 2 |
| X | Comprehensive Viva | SOC6IG01 | Viva Voce (General Comprehensive) | 4 | |

** There shall be one Audit course each in the first four semesters of the Foundation Programme. These courses are not meant for class room study. The foundation Programmes should follow the Audit courses from I to IV semesters as per the CBCSS UG Regulations, University of Calicut. Changes made in the syllabus of the Audit courses by the respective boards will be applicable to Integrated Programmes also. The students can attain only pass (Grade P) for these courses. At the end of each semester there shall be examination conducted by the college from a pool of questions (Question Bank) set by the University. The students can also attain these credits through online courses like SWAYAM, MOOC etc (optional). The list of passed students must be sent to the University from the colleges at least before the fifth semester examination.*

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



UNIVERSITY OF CALICUT

Abstract

General and Academic - Faculty of Science - Scheme and syllabus of Master Of Vocation (M.Voc) In Software Development programme as per the Regulations for the Post Graduate Programmes under Vocational Studies (Master of Vocation-M.Voc) 2019 - Approved - Subject to ratification by Academic Council - Orders issued.

G & A - IV - J

U.O.No. 16362/2021/Admn

Dated, Calicut University.P.O, 12.11.2021

*Read:-*1. U.O.No.10272/2019/Admn, dated 01.08.2019

2. Item No.2 in the minutes of the Board of Studies in Computer Science & Application PG, held on 11.10.2021
3. Remarks from the Dean, Faculty of Science, dated 28.10.2021
4. Orders of the Vice Chancellor in the file of even no., dated on 30.10.2021

ORDER

1. Regulations for the Post Graduate Programmes under Vocational Studies (Master of Vocation-M.Voc) 2019, with effect from 2019 Admissions, has been implemented in this University, vide paper read (1) above.
2. The meeting of Board of Studies in Computer Science and Application (PG) held on 11.10.2021, approved the scheme and syllabus of Master Of Vocation (M.Voc) in Software Development programme, vide paper read (2) above.
3. The Dean, Faculty of Science recommended to approve the scheme and syllabus of Master Of Vocation (M. Voc) In Software Development programme w.e.f 2020 admissions, vide paper read (3) above.
4. Considering the urgency, the Vice Chancellor has accorded sanction to implement the Scheme and Syllabus of Master Of Vocation (M. Voc) In Software Development programme in accordance with the Regulations for the Post Graduate Programmes under Vocational Studies (Master of Vocation-M.Voc) 2019, in the University with effect from 2020 Admissions, subject to ratification by the Academic Council.
5. Sanction is therefore accorded for implementing the Scheme and Syllabus of Master Of Vocation (M. Voc) In Software Development programme in accordance with the Regulations for the Post Graduate Programmes under Vocational Studies (Master of Vocation-M.Voc) 2019, in the University with effect from 2020 Admissions, subject to ratification by the Academic Council.
6. Orders are issued accordingly. (Syllabus appended).

Arsad M

Assistant Registrar

To

Principals of affiliated colleges offering M.Voc Software Development.

Section Officer

UNIVERSITY OF CALICUT
THENHIPALAM, CALICUT UNIVERSITY P.O -673635



DEGREE OF
MASTER OF VOCATION (M. Voc)
IN
SOFTWARE DEVELOPMENT

(AS PER THE GUIDELINES OF UGC)

UNDER THE
FACULTY OF SCIENCE

SYLLABUS

(CHOICE BASED CREDIT & SEMESTER SYSTEM- CBCSS)
(FOR THE STUDENTS ADMITTED FROM THE ACADEMIC YEAR 2020 – 21 ONWARDS)

BOARD OF STUDIES IN COMPUTER SCIENCE (PG)
THENHIPALAM, CALICUT UNIVERSITY P.O
KERALA, 673 635, INDIA
AUGUST, 2020

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M.Voc SOFTWARE DEVELOPMENT**PROGRAMME STRUCTURE**

| LEGEND | |
|---------|--------------------------|
| Item | Description |
| C | Credits |
| CA | Continuous Assessment |
| ESE | End Semester Evaluation |
| L+T | Lecture + Tutorial Hours |
| P | Practical Hours |
| T / Tot | Total |

| SEMESTER I | | | | | | | | | | |
|--------------|-------------|---|-----------|-------------|-----|-----|-----------|-----------|-----------|------------|
| Cours No | Course Code | Course Name | Credit | Weightage | | | Hrs /week | | | Hrs Sem |
| | | | | CA | ESI | Tot | L+T | P | T | |
| 1.1 | GEC1SD01 | Communication Skills Development | 4 | 1 | 4 | 5 | 3+1 | 0 | 4 | 60 |
| 1.2 | SDC1SD01 | Object Oriented Programming with Java and SQL | 5 | 1 | 4 | 5 | 0 | 5 | 5 | 75 |
| 1.3 | SDC1SD02 | PHP Programming | 4 | 1 | 4 | 5 | 3+1 | 0 | 4 | 60 |
| 1.4 | SDC1SD03 | Introduction to Mobile Application Development and Web Technologies | 4 | 1 | 4 | 5 | 3+1 | 0 | 4 | 60 |
| 1.5 | SDC1SD04 | Android App Development for Beginners | 4 | 1 | 4 | 5 | 3+1 | 0 | 4 | 60 |
| 1.6 | SDC1SDL1 | LAB I : PHP Programming - Lab | 5 | 1 | 4 | 5 | 0 | 5 | 5 | 75 |
| 1.7 | SDC1SDL2 | LAB 2:Software Lab I (Android I,Java &SQL) | 4 | 1 | 4 | 5 | 3+1 | 0 | 4 | 60 |
| 1.8 | SDC1SDA1 | Ability Enhancement Course (AEC) Audit Course – 1 | 4 | 5 | 0 | 5 | 0 | 0 | 0 | 0 |
| Total | | | 30 | | | | 20 | 10 | 30 | 450 |
| SEMESTER II | | | | | | | | | | |
| NSQF Level 8 | | | | | | | | | | |
| Cours No | Course Code | Course Name | Credit | Weightage % | | | Hrs/wk | | | Hrs Sem |
| | | | | CA | ESI | Tot | L+T | P | T | |
| 2.1 | GEC2SD02 | Professional Skills Development (Training Programme) | 4 | 1 | 4 | 5 | 3+1 | 0 | 4 | 60 |
| 2.2 | SDC2SD05 | Database and Backend Technologies | 4 | 1 | 4 | 5 | 3+1 | 0 | 4 | 60 |

| | | | | | | | | | | |
|--------------|----------|---|-----------|---|---|---|-----------|-----------|-----------|------------|
| 2.3 | SDC2SD06 | Advanced Java Programming | 4 | 1 | 4 | 5 | 3+1 | 0 | 4 | 60 |
| 2.4 | SDC2SD07 | Android App Development - Advanced | 4 | 1 | 4 | 5 | 3+1 | 0 | 4 | 60 |
| 2.5 | SDC2SDL3 | LAB 3: Advanced Java – Lab | 5 | 1 | 4 | 5 | 0 | 5 | 5 | 75 |
| 2.6 | SDC2SDL4 | LAB 4 : Software Lab II (Android II and Database) (LAB) | 4 | 1 | 4 | 4 | 0 | 4 | 4 | 60 |
| 2.7 | SDC2SDL5 | LAB 5 : Mini Project/Internship [Android App Development] | 5 | 1 | 4 | 5 | 0 | 5 | 5 | 75 |
| 2.8 | SDC2SDA2 | Professional Competency Course (PCC)- Audit Course II | 4 | 5 | 0 | 5 | 0 | 0 | 0 | 0 |
| Total | | | 30 | | | | 20 | 10 | 30 | 450 |

SEMESTER III

| Course No | Course Code | Course Name | Credit | Weightage % | | | Hrs/wk | | | Hrs/Sem |
|--------------|-------------|---|-----------|-------------|-----|-----|-----------|-----------|-----------|------------|
| | | | | CA | ESE | Tot | L+ | P | Tot | |
| 3.1 | GEC3RM04 | Research Methodology | 3 | 1 | 4 | 5 | 2+ | 0 | 3 | 45 |
| 3.2 | SDC3SD08 | Programming with Swift | 4 | 1 | 4 | 5 | 3+ | 0 | 4 | 60 |
| 3.3 | GEC3SD03 | Elective – I | 4 | 1 | 4 | 5 | 2+ | 1 | 4 | 60 |
| 3.4 | SDC3SD10 | Machine Learning | 4 | 1 | 4 | 5 | 3+ | 0 | 4 | 60 |
| 3.5 | SDC3SD11 | iOS App Development –Fundamentals | 4 | 1 | 4 | 5 | 3+ | 0 | 4 | 60 |
| 3.6 | GEC3SD04 | Elective – II | 4 | 1 | 4 | 5 | 0 | 4 | 4 | 60 |
| 3.7 | SDC3SDL6 | LAB 6:Android App Development-Lab | 4 | 1 | 4 | 5 | 0 | 4 | 4 | 60 |
| 3.8 | SDC3SDL7 | LAB 7: Software Lab III (iOS and Swift) | 3 | 1 | 4 | 5 | 0 | 3 | 3 | 45 |
| Total | | | 30 | | | | 20 | 10 | 30 | 450 |

SEMESTER IV

NSQF Level 9

| Course No | Course Code | Course Name | Credit | Weightage | | | Hours/ wk | | | Hrs/Sem |
|--------------|-------------|-----------------------------|-----------|-----------|-----|-----|-----------|-----------|-----------|------------|
| | | | | CA | ESE | Tot | L+ | P | Tot | |
| 4.1 | SDC4SDTP | Term Paper | 30 | 5 | 0 | 5 | | | | 900 |
| 4.2 | SDC4SDL8 | LAB 8: Internship & Project | | 1 | 4 | 5 | 0 | 30 | 30 | |
| Total | | | 30 | | | | 0 | 30 | 30 | 900 |

| | | | | | | | | |
|-------------|-----|--|--|--|--|--|--|-----|
| Grant Total | 120 | | | | | | | 120 |
|-------------|-----|--|--|--|--|--|--|-----|

The following Transaction modes are used for each subjects:

Modes of Classroom Transaction:

1. Lecture
2. Demonstration
3. Project Method
4. Inquiry training
5. Seminar
6. Group discussion
7. Flipped learning
8. Tutorial
9. Self-learning
10. Case study

The following tools can be used in different transactional modes:

1. PPT
2. Video
3. e-content
4. Google drive

References:

1. *Jon Hoffman*, Mastering Swift 4 - Fourth Edition: An in-depth and comprehensive guide to modern programming techniques with Swift, *Packt publishing*, 2017, ISBN-13: 978- 1788477802
2. *Donny Wals*, Mastering iOS 11 Programming - Second Edition: Build professional-grade iOS applications with Swift 4 and Xcode, *Packt publishing*, 2017, ISBN-13: 978- 1788398237
3. *Keith Moon*, Swift 4 Programming Cookbook, Packt Publishing, 1 edition (September 28, 2017), ISBN-13: 978-1786460899
4. *Matt Neuburg*, iOS 11 Programming Fundamentals with Swift: Swift, Xcode, and Cocoa Basics *1st Edition*, O'Reilly Media; 1 edition (October 19, 2017), ISBN-13: 978- 1491999318.
5. *Chris Eidhof, Ole Begemann, Airspeed Velocity*, Advanced Swift: Updated for Swift 4, CreateSpace Independent Publishing Platform, 2016, ISBN-13: 978-1539154716
6. *Matthew Mathias, John Gallagher*, Swift Programming: The Big Nerd Ranch Guide (2nd Edition), Big Nerd Ranch Guides; 2 edition (December 8, 2016), ISBN-13: 978- 0134610610

GEC3SD03 - ELECTIVES I

Course Number: 3.3

Contact Hours per Week: 4

Number of Credits: 4

Number of Contact Hours : 60 Hr

LIST OF ELECTIVES

GEC3SD03E1 - Mobile and wireless security

GEC3SD03E2-Cross Platform App Development Using React Native

GEC3SD03E3 - iOS App Development – Advanced Technologies

GEC3SD03E4- Watch OS Programming

GEC3SD03E5 - Healthkit and Homekit programming

GEC3SD03E6- Retail App Development Frameworks

3. Donny Wals, Mastering iOS 11 Programming, Packt Publishing Limited, 2017, ISBN-13: 978-1788398237
4. Molly K. Maskrey, Beginning iPhone Development with Swift 4: Exploring the iOS SDK , Apress; 4th ed. edition (27 November 2017), ISBN-13: 978-1484230718
5. Christian Keur and Aaron Hillegass, iOS Programming: The Big Nerd Ranch Guide (6th Edition), Big Nerd Ranch Guides; 6th Edition, 2017, ISBN-13: 978-0134682334.
6. Web Reference: <https://developer.apple.com/>

GEC3SD04EX - ELECTIVES II

Course Number: 3.6

Contact Hours per Week: 4

Number of Credits: 4

Number of Contact Hours : 60 Hr

LIST OF ELECTIVES

GEC3SD04E7 -Programming with Objective-C

GEC3SD04E8 - Programming with Python

GEC3SD04E9 - Data Analytics

GEC3SD04E10 -Kotlin Programming

GEC3SD04E11- Internet of Things (IoT)

GEC3SD04E12- Low Code Platform

GEC3SD04E7 -PROGRAMMING WITH OBJECTIVE-C

Course Number: 3.6

Contact Hours per Week: 4

Number of Credits: 4

Number of Contact Hours : 60 Hr

Course Objectives

- To provide a complete theoretical knowledge and practical exposure to concepts behind Objective-C.
- To give hands on experience in iOS app development using Objective-C
- To give awareness in application porting from Objective-C to Swift in iOS app development



UNIVERSITY OF CALICUT

Abstract

General and Academic- Faculty of Journalism- Syllabus of MVoc Multimedia Programme under the Regulations for Post Graduate Programme under Vocational Studies (Master of Vocation -MVoc) 2019 with effect from 2021 Admission onwards - Implemented- Orders Issued.

G & A - IV - B

U.O.No. 18518/2021/Admn

Dated, Calicut University.P.O, 23.11.2021

*Read:-*1. U.O.No.10272/2019/Admn Dated 01.08.2019

2. Minutes of the meeting of the Board of Studies in Multimedia held on 12-08-2021 (Item No.1)
3. Minutes of the meeting of the Faculty of Journalism held on 24.08.2021 (item No.5)
4. Extract of the Item No.II B of the minutes of the LXXXII meeting of the Academic Council held on 24.09.2021 and special meeting held on 08.10.2021
5. Orders of Vice Chancellor in the file no.25795/GA-IV-B1/2013/CU dated 22.10.2020

ORDER

1. The Regulations for Post Graduate Programme under Vocational Studies (Master of Vocation - MVoc) 2019, has been implemented in the University with effect from 2019 Admission , vide paper read first above.
2. The meeting of the Board of Studies in Multimedia held on 12.08.2021 has resolved to approve the syllabus of MVoc Multimedia with effect from 2021 admission onwards, vide paper read second above.
3. The meeting of the Faculty of Journalism held on 24.08.2021 ,vide paper read (3) above, and the Academic Council held on 24.09.2021,vide read (4) above , has approved the syllabus of MVoc Multimedia with effect from 2021 admission onwards,
4. The Vice Chancellor has accorded sanction to implement the above decision of the Academic Council.
5. The Scheme and Syllabus of MVoc Multimedia Programme in accordance with the Regulations for Post Graduate Programme under Vocational Studies (Master of Vocation -MVoc) 2019, is therefore implemented in the University with effect from 2021 Admission onwards.
6. Orders are issued accordingly. (Syllabus appended)

Ajitha P.P

Joint Registrar

To

The Principals of all Affiliated Colleges

Copy to: PS to VC/PA to R/PA to CE/JCE I/JCE II/DoA/EX and EG Sections/GA I F/CHMK Library/Digital Wing/SF/DF/FC

Forwarded / By Order

Section Officer

UNIVERSITY OF CALICUT



MASTER OF VOCATION (M.VOC) IN MULTIMEDIA

UNDER THE FACULTY OF JOURNALISM
SYLLABUS
w.e.f 2021 ADMISSION ONWARDS

BOARD OF STUDIES IN MULTIMEDIA
THENHIPALAM, CALICUT UNIVERSITY P.O
KERALA, 673635, INDIA

MASTER OF VOCATION IN MULTIMEDIA

PROGRAMME STRUCTURE

| COURSE CODE | TITLE OF THE COURSE | TYPE OF THE COURSE | HOURS PER WEEK | CREDIT | TOTAL CREDITS |
|------------------------|--|---------------------------|-----------------------|---------------|----------------------|
| FIRST SEMESTER | | | | | |
| GEC1MM01 | COMMUNICATION THEORIES | Theory | 4 | 4 | 30 |
| GEC1MM02 | AUDIO VISUAL NARRATIVES | Theory | 4 | 4 | |
| SDC1MM01 | INTRODUCTION TO VISUAL CULTURE | Theory | 4 | 4 | |
| SDC1MM02 | PHOTOGRAPHY | Theory | 5 | 5 | |
| SDC1MML1 | CREATIVITY AND DRAWING TECHNIQUES (P) | Practical | 4 | 4 | |
| SDC1MML2 | MEDIA DESIGN LAB (P) | Practical | 5 | 5 | |
| SDC1MML3 | SCREENWRITING LAB (P) | Practical | 4 | 4 | |
| AEC1MM01 | AUDIT COURSE I TECHNICAL ENGLISH AND COPY EDITING | Audit Course I (Theory) | 0 | 4 | |
| SECOND SEMESTER | | | | | |
| GEC2MM03 | MEDIA BUSINESS AND PRACTICE | Theory | 5 | 5 | 30 |
| SDC2MM03 | TECHNIQUES OF VIDEO EDITING | Theory & Practical | 4 | 4 | |
| | ELECTIVE COURSE I | Theory | 4 | 4 | |
| SDC2MML4 | SHOOTING PRACTICES (P) | Practical | 5 | 5 | |
| SDC2MML5 | BASICS OF SOUND AND SOUND RECORDING LAB (P) | Practical | 4 | 4 | |
| SDC2MML6 | DESIGN FOR ADVERTISING (P) | Practical | 4 | 4 | |

| | | | | | |
|----------------------------|--|-----------------------|----------|----------|------------|
| SDC2MMP1 | MINI PROJECT | Practical | 4 | 4 | |
| PCC2MM01 | AUDIT COURSE II INTRODUCTION TO STOPMOTION | Theory& Practical | 0 | 4 | |
| THIRD SEMESTER | | | | | |
| GEC3MM04 | RESEARCH METHODLOGY FOR COMMUNICATION AND MEDIA STUDIES | Theory | 5 | 5 | |
| SDC3MM04 | ART DIRECTION AND PRODUCTION DESIGN | Theory & Practical | 5 | 5 | |
| SDC3MM05 | INTRODUCTION TO 3D ANIMATION | Theory | 3 | 3 | |
| | ELECTIVE COURSE II | Theory& Practical | 4 | 4 | |
| SDC3MML7 | 2D GRAPHICS ANIMATION (P) | Practical | 4 | 4 | 30 |
| SDC3MML8 | INTERACTIVE MEDIA DESIGNING(P) | Practical | 5 | 5 | |
| SDC3MML9 | BASICS OF VFX AND COMPOSITING LAB (P) | Practical | 4 | 4 | |
| | | | | | |
| FOURTH SEMESTER | | | | | |
| SDC4MMTP | TERM PAPER | | | | 30 |
| SDC4MMP2 | INTERNSHIP & PROJECT | | | | |
| | | | | | |
| Total Hours per sem | | | | | 900 |

Elective Group A- ELECTIVE COURSE I

| | | | | | |
|-----------------|--|------------|----------|----------|--|
| SDC2MME1 | DOCUMENTARIES AND LITERAL FILMS | Elective 1 | 4 | 4 | |
| SDC2MME2 | FILM ANALYSIS | Elective 2 | | | |
| SDC2MME3 | MEDIA ETHICS AND EDUCATION | Elective 3 | | | |

Elective Group B – ELECTIVE COURSE II

| | | | | | |
|-----------------|--|------------|----------|----------|--|
| SDC3MME4 | RADIO PROGRAM PRODUCTION | Elective 1 | 4 | 4 | |
| SDC3MME5 | ADVERTISING AND PROMOTIONAL FILM MAKING | Elective 2 | | | |
| SDC3MME6 | NEW MEDIA AND CONTENTS | Elective 3 | | | |

SEMESTER 1

| C. No | Course Code | Course Name | Cred t | Hrs per week | | | Total Hrs |
|-----------------------------|-------------|--|-----------|--------------|-----------|-----------|------------|
| | | | | T | P | Tot | |
| 1.1 | GEC1MM01 | COMMUNICATION THEORIES | 4 | 4 | | 4 | 60 |
| 1.2 | GEC1MM02 | AUDIO VISUAL NARRATIVES | 4 | 4 | | 4 | 60 |
| 1.3 | SDC1MM01 | INTRODUCTION TO VISUAL CULTURE | 4 | 4 | | 4 | 60 |
| 1.4 | SDC1MM02 | PHOTOGRAPHY | 5 | 5 | | 5 | 75 |
| 1.5 | SDC1MML1 | CREATIVITY AND DRAWING TECHNIQUES (P) | 4 | | 4 | 4 | 60 |
| 1.6 | SDC1MML2 | MEDIA DESIGN LAB (P) | 5 | | 5 | 5 | 75 |
| 1.7 | SDC1MML3 | SCREENWRITING LAB (P) | 4 | | 4 | 4 | 60 |
| 1.8 | AEC1MM01 | AUDIT COURSE 1 TECHNICAL ENGLISH AND COPY EDITING | 4 | 0 | 0 | 0 | 0 |
| Semester I Total | | | 30 | 17 | 13 | 30 | 450 |

Students will understand the underline philosophical assumptions of one or more communication research methods to address a range of media text and audience, production and technological practices.

ELECTIVES

SDC3MME4 - RADIO PROGRAM PRODUCTION

Credit: 4

Lecture Hours per week: 4

Total Hours: 60

COURSE OBJECTIVE :

The course Radio Production aims to felicitates the student with in-depth knowledge of Radio as a communication medium

COURSE OUTCOME:

- Students will get an insight in different types radio programme production, editing and sound recording.
- They will learn to use Radio in a different perspective as an effective communication tool and an aid beneficial for the betterment of society.

Module 1

Radio as a medium: Characteristics of Radio; Functions and role of radio communication; Evolution of radio as a mass medium; Development of Radio in India. 10hrs

Module 2

Radio Programming: Talks and Discussions; Commentary on public events; Radio drama; Interviews; Documentary; Comedy and light entertainment; Music; Educational programmes; Phone-in programmes; Quiz Demo etc. Radio News writing and presentation; structure of news bulletins 10 hrs

Module 3

Programme Recording: Acoustics, quality of audio signal, Types and use of microphones, recording of programs, selection of sound effects; dubbing; editing and mixing techniques, voice quality, modulation and pronunciation techniques; sound formats. 10hrs

Module 4

Radio for Development: Open broadcasting-unorganized audience; Instructional radio-organized learning group; Radio rural forums-decision group; Radio schools-the non-formal learning group; Radio and animation-participating group. 15hrs

Module 5

Prepare a Radio Programme of 10 minutes' duration 15hrs

REFERENCE BOOKS

1. Stay Tuned: The Story of Radio in India: Pankaj Athawale
2. Radio Production: Robert McLeish
3. Radio broadcasting: Dr. K. Parameswaran
4. This is All India Radio: A handbook of radio broadcasting in India: U.L.Baruah
5. Handbook of Journalism & Mass Communication: Vir Bala Aggarwal & VS Gupta
6. Radio's Role in Development: Five Strategies of Use: Emile G. McAnany

SDC3MME5- ADVERTISING AND PROMOTIONAL FILM MAKING

Credit: 4

Lecture Hours per week: 4

Total Hours: 60

COURSE OBJECTIVE

Advertising has evolved into a vastly complex form of communication, with literally thousands of different ways for a business to get a message to the consumer. Today's advertisers have a vast array of choices at their disposal. Major media tactics used in modern advertising to reach consumers. This course acquaints the students with the concepts and practices of Advertising and Brand Building.

COURSE OUTCOME:

- Students will learn about different promotional aids, their role and importance in promoting a brand.
- They also learn how to approach the art of advertising for various industrial requirements.

Module 1

Advertising: Definition; Origin and development of advertising; Advertising in India; Functions and roles of advertising; Principles of advertising; Types of advertising (Broadcast Media, Print Media, Support Media, Direct Marketing, Product Placement, Internet, Social Media etc.); Advertising

Agency - Departments and functions; Advertisements for various media; media selection and media mix; key factors in budget setting; code of advertising standards; legal and ethical problems in advertising.

10hrs

Module 2

Creativity in Advertising, Stages in the Creative Process, Brainstorming and Various Creative Thinking Modes - Screening of Award Winning Campaigns (Both Contemporary and Classics - Appreciation and Presentation of some of the Great and Failed Campaigns.

10hrs

Module 3

Public Relations – definitions, allied disciplines of PR, Corporate Communications, Symmetrical and asymmetrical theories of PR – apex bodies -law and ethics of PR - PRSI Codes - PR interface with management disciplines, Publics in PR, PR tools – PR in various industries – central and state governments, Co-operative and private sectors.

15hrs

Module 4

Writing for advertising: Elements of ad copy, advertising for print, radio, television and online media; advertising design; Slogan; Headline; Ad Lay-out; Advertisement for Print and Broadcast media; Storyboard; Radio Ads; Writing for PR: Internal publics (house journals, bulletin, boards, open houses, suggestion, boxes, video magazines etc.). Writing for media (Press release/backgrounder, press brief, rejoinders, etc.) Preparing PR material for the campaign, campaign planning.

15hrs

Module 5

Creation of an ad film of minimum 10-20 seconds duration (Group Project). Briefing: target audience - fundamental marketing goal –platform/medium of exhibition – duration – style / Technique – budget; Pre-production: script - location recce – storyboards – (permissions, schedules, audio recording etc.); Production: Live shooting / set designing – make up/model making etc.; Post-production: Editing – Graphics and Animation – Music composition – Voice overs/dubbing – colour correction etc.

10hrs

REFERENCE BOOKS

- 1) Advertising copy writing: P.W Burton.
- 2) Advertising Management: Borden & Marshall.
- 3) Advertising in the market place: J. D Burke.
- 4) Advertising: Wright Warner