

SANATANA DHARMA COLLEGE, ALAPPUZHA



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



UNIVERSITY OF KERALA
(Abstract)

Amendments in the Regulations for the First Degree Programmes under Choice Based Credit and Semester System (CBCS) in the Colleges affiliated to the University of Kerala and Centres of the University - Approved – Orders issued.

ACADEMIC 'A.II.' SECTION

No.Ac.A.II/UG Sem./2010

Dated, Thiruvananthapuram, 30-10-2010.

- Read:-
1. U.O. No.Ac.A.II/1/UG.Sem./2010 dtd.05-04-2010.
 2. Minutes of the Meeting of the ULMC held on 08- 10-2010.

ORDER

The Vice-Chancellor has approved subject to ratification by the Academic Council, the amendments to the Regulations for the First Degree Programme under CBCS System, as recommended by the meeting of the University Level Monitoring Committee read as (2) above.

Hence the Regulations for the First Degree Programmes under Choice Based Credit and Semester System issued as per U.O. read as (1) above stands amended.

A copy of the amended Regulations appended.

Orders are issued accordingly.

Sd/-
REGISTRAR

To

- 1) The Principals of all affiliated Colleges and Centres of the University
- 2) The Deans of the Faculties of Science/Arts/Social Sciences/Oriental Studies/Commerce/Fine Arts/Applied Sciences/Management Studies.
- 3) The Chairmen of all Pass Boards of Studies of the Faculties concerned.
- 4) The PS to VC/PVC
- 5) The PA to Registrar/CE/DCDC/FO
- 6) The Director, Computer Centre/IDE
- 7) The Ac.B/Ac.BI Sections and Ac.L Section for necessary action.
- 8) All Joint Registrars/Deputy Registrars/Assistant Registrars
- 9) All Tabulation Sections (UG Courses)
- 10) Ac.A.III/Ac.A.IV/Ac.C/Ac.D/Ad.Misc Section.
- 11) The PRO/RO/Enquiry
- 12) Members of the ULMC
- 13) Stock file / File copy.

Forwarded / By Order

Sd/-
Section Officer

Appendix

UNIVERSITY OF KERALA

**Regulations for the First Degree Programmes in
Affiliated Colleges, 2009**

1. Title

These Regulations shall be called ‘The University of Kerala Regulations for the First Degree Programmes under the Choice Based Credit and Semester System (CBCS) in Affiliated Colleges’, 2009.

2. Scope, Application and Commencement

- 2.1 The Regulations provided herein shall apply to all regular First Degree (Under Graduate) Programmes under the Faculties of Science, Applied Science, Arts, Social Sciences, Fine Arts, Oriental Studies, Management Studies and Commerce except BFA, BPA, BPE conducted in Colleges Affiliated to the University of Kerala *and* Centres of the University. These Regulations shall also apply to the vocational, triple main and restructured Degree Programmes. These Regulations shall not apply to the Courses offered by the Institute of Distance Education and the Private Registration stream.
- 2.1.1. Hereinafter, the Vocational and Triple Main and Restructured Courses be renamed as Career Related First Degree Programme.
- 2.2 These Regulations shall apply to First Degree Academic Programmes to which admissions are made from the academic year 2010-2011 onwards.
- 2.3 These Regulations supersede the provisions of all the existing Regulations for the regular under Graduate Programme conducted in Colleges Affiliated to the University of Kerala *and* Centres of the University w.e.f. 2010-2011 admissions unless otherwise specified.

3. Definitions

- 3.1 ‘Academic Programme’ means the entire Course of study as per the given Scheme and Examinations.
- 3.2 ‘Semester’ means a term consisting of a minimum of 90 working days distributed over a minimum period of 18 weeks.
- 3.3 ‘Course’ means a portion of a subject to be taught and evaluated in a Semester (similar to a paper under traditional scheme).
- 3.4 ‘Language Courses’ are Courses in English and an Additional Language of student’s Choice, for which all the students who join for First Degree Programme have to register.
- 3.5 ‘Foundation Course’ means a Course at the foundation level that all students of the First Degree Programme (FDP) have to register.
- 3.6 ‘Core Course’ means a compulsory Course in a Major subject related to the First Degree Programme (FDP) in a discipline.
- 3.7 ‘Complementary Course’ means a Course in a subject other than the Major subject and is complementary to it.
- 3.8 ‘Open Course’ means an optional Course which the student is free to take at his/her will. Open Course can be an Elective Course in the Major subject or can be a non Major Elective Course outside the mainstream of study as well.
- 3.8.1 ‘Vocational Course’ is a Compulsory course in a Major subject of Schedule 2 (a).
- 3.9 ‘Audit Course’ means a Course which the student can register without earning Credits (zero Credit Courses) and are not compulsory for completing the Degree Programme.
- 3.9.1 ‘Elective Course’ means a specialized Course from the frontier area of the core subject, which he/she is free to choose.
- 3.10 ‘Repeat Course’ is a Course that a student repeats if he/she has failed in it.
- 3.11 ‘Credit’ (C) of a Course is a measure of the weekly unit of work involving lecture or laboratory session or seminar or similar activity assigned to/for the Course.
- 3.12 ‘Grade’ indicates the level of performance of a student in a Course.

- 3.13 'Grade Point' is an integer indicating the numerical equivalent of the broad level of performance of a student in a Course. The product of grade point average and the Credit of a Course is called 'Credit Point'.
- 3.13.1 Weight is a numerical measure quantifying the comparative range of an answer or the comparative importance assigned to different components like theory and practical, internal and external examinations, core and complementary subjects.
- 3.13.2 'Weighted Grade Point' is the sum of grade points multiplied by weight.
- 3.13.3 'Grade Point Average' (GPA) is an index of the performance of a student in a course. It is obtained by dividing the sum of Weighted Grade Point obtained in the course by the sum of weight of course.
- 3.14 'Semester Grade Point Average' (SGPA) is an index of the overall performance of a student at the end of a Semester. It is obtained by dividing the sum of the Credit points obtained by a student at the end of a Semester by the sum of the Credits of Courses taken by the student in the Semester.
- 3.15 'Cumulative Grade Point Average' (CGPA) indicates the broad academic level of performance of the student in a Programme. It is obtained by dividing the sum of the Credit points in all the Courses taken by the student for the entire Programme by the total number of Credits.
- 3.16. 'Major Subject' means the subject for which the student has chosen the core Courses in the respective Programme.
- 3.17 'Faculty Advisor' means a teacher appointed by the Department Council/HoD who will advise the student on all academic matters. The teacher will be from the department for the Major subject.
- 3.18 'Grace Grade' means upgraded grade awarded to a student in recognition of meritorious achievements in Sports/Arts/ NCC/NSS. Upgrading of grades shall be based on upgrading of Grade Point Average.

4. Admission

- 4.1 Eligibility for admissions and reservation of seats for various First Degree Programmes shall be according to the rules framed by the University from time to time. No student shall be eligible for admission to a First-Degree Programme (FDP) in any of the discipline unless he/she has successfully completed the examination conducted by a Board/University at the +2 level of schooling or its equivalent.
- 4.2 Student enrollment shall be in accordance with the academic and physical facilities available in the institution. The College shall make available to all students a brochure listing all the Courses offered by the various departments in the entire Programme and the number of seats sanctioned by the University for each Programme.
- 4.3 Depending upon the academic and physical facilities available in the Institution, the University may allow the Institution to admit a certain number of students in the 3rd or 5th Semester by transfer if required, from other Institutions subject to conditions prescribed by the University. A student who has already successfully completed a First Degree Programme and is desirous of and academically capable of pursuing another First Degree Programme may also be admitted with the prior approval of the University according to conditions regarding Course requirements specified by the University.

5. Registration

- 5.1 Each student shall register for the Courses in the prescribed Registration form in consultation with the Faculty Advisor within two weeks from the commencement of each Semester.
- 5.2 The number of Courses/Credits that a student can take in a Semester is governed by the provisions in these Regulations subject to a minimum of 16 and maximum number of 27 Credits.

- 5.3 A student can opt out of a Course/Courses registered subject to the minimum Credit/Course requirement if he/she feels he/she has registered for more Courses than he/she can handle, within thirty days from the commencement of the Semester.
- 5.4 The maximum number of students to be admitted to a Programme shall be limited to the number of seats sanctioned by the University.
- 5.5 The college shall send a list of the students registered for each Programme in each Semester giving the details of Courses for which each of the students has registered including the repeat/reappearance Courses, to the University in the prescribed form within 45 days from the commencement of the Semester.

6. Duration

- 6.1 The normal duration of a First-Degree Programme shall be three years consisting of six Semesters. No student shall be allowed to complete the Programme by attending more than 12 continuous Semesters.
- 6.2 The duration of each Semester shall be five months inclusive of the days of examinations. There shall be at least 90 working days in a Semester and a minimum of 450 hours of instruction in a Semester. Odd Semester (June-Oct) commences in June and Even Semester (Dec-April) commences in December every year. There will be, to an extent possible, one month Semester break in November and May between Semesters.
- 6.3 There shall be a uniform calendar prepared by the University for the conduct of the Academic Programme.

7. Programme Structure

- 7.1 Students shall be admitted to First Degree Programmes in the Faculties of Science, Applied Science, Arts, Fine Arts, Social Sciences, Oriental Studies, Management Studies and Commerce conducted in Affiliated Colleges and Centres of the University under the regular stream as indicated under 2.1.
- 7.2 The First Degree Programme shall include 1) Language Courses 2) Foundation Courses 3) Core Courses in the Major subjects related to Degree Programme 4) Complementary Courses on allied subjects 5) Open/Elective Courses and 6) Project/Dissertation. In the case of subjects included in 2 (a), there shall be a component of Vocational courses. The minimum number of Courses required for completion for a Degree Programme may vary from 30 – 38 depending on the Credit assigned to different Courses.
- 7.3 The students may choose the Major subject of study at the beginning of the Programme and shall join a Department.
- 7.4 Language Courses and Foundation Courses shall be offered in the 1st, 2nd, 3rd and 4th Semesters. Core Courses may be offered from the 1st Semester onwards along with the Complementary Courses and shall include a compulsory project / Dissertation to be undertaken during the 5th / 6th Semester.
Open /Elective Courses may be offered in any subject and the student will have the option to do Courses offered by other Departments, subject to availability of teachers and infrastructure in the Institution, and in exceptional situation, specialized, advanced/applied course offered by same Institution. Open course shall be offered in Fifth Semester and Elective course in Sixth Semester.
- 7.5 No Course shall carry more than 4 Credits. Audit Courses will carry zero Credit.
- 7.6 The Core Courses prescribed by the University for the First Degree Programme shall be offered by the parent Department. More than one combination of Complementary Courses in allied subjects may be offered depending on the availability of teachers and infrastructure facilities (e.g. Chemistry with Mathematics and Physics or Chemistry with Mathematics and Computer Science or Chemistry with Mathematics and Zoology.)
- 7.7 The student is free to take any combination of Complementary Courses offered by the Institution and is also free to select any Elective Course offered by the departments. The student shall do Open/Elective Course totaling to a minimum of 4 Credits but not more than

24 Credits. However, the students may ascertain from the faculty advisor the suitability and usefulness of such Courses to increase the academic potential and opportunity/eligibility for higher studies.

- 7.8 The student secures the Credits assigned to a Course on successful completion of the Course. The students shall be required to earn a minimum of 120 Credits including Credits for Language Courses, Foundation Courses, Core Courses ,Complementary Courses (as the case may be), Dissertation and Open/Elective Courses as indicated below within a minimum period of 6 Semesters for the award of the Degree excluding Credit acquired for social service/extension activity. The minimum required Credits for different Courses for the award of the Degree are given in the general structure of the First Degree Programme in schedules 1 and 2.

	B.A. B.Sc.	B.Com.
Accumulated minimum Credits required for successful completion of the Programme:	120 Credits	120 Credits
Minimum Credits for Language Courses	33 Credits	22 Credits
Minimum Credits required for Foundation Courses:	5 Credits	5 Credits
Credits required for Core Courses including Dissertation	50-56 Credits	61 Credits
Credits required for complementary Course	22-28 Credits	12 Credits
Minimum Credits required for Open Courses/ Elective	4 Credits	20 Credits
Minimum Credits for Social Service/ Extension activity:	1 Credit	1 Credit

- 7.9 The student is free to take Audit Courses which may be skill Based/vocational Courses offered in the College sanctioned by the University, in consultation with the faculty advisor to enhance the academic potential of the student for higher studies/employment. Although the Audit Courses do not fetch any Credits, these Courses shall be indicated in the score sheet.
- 7.10 A student is free to register for as many Courses as he/she can if facilities permit, meeting the minimum Credits requirement. Such Additional Credits acquired will be separately shown in the grade card. No student shall register for more than 27 Credits (excluding repeat Courses) and less than 16 Credits in each Semester.
- 7.11 **Attendance:** (Weight 1) Students who secure a minimum of 75% attendance in the aggregate for all the courses of a Semester taken together alone will be allowed to register for End Semester Examinations. Others have to repeat the Semester along with next batch, unless they could make up the shortage of attendance through condonation. However the award of grade for attendance in CE shall be made course-wise. Condonation of shortage of attendance to a maximum of 10 days in a Semester subject to a maximum of two times during the whole period of a Degree Programme may be granted by the University on valid grounds. This condonation shall not be considered for awarding grades for CE. Benefits of attendance for a maximum of 10 days in a semester may be granted to students who participate/attend University Union activities, meetings of the University bodies and extra curricular activities, on production of participation/attendance certificate by University Authorities/Principals as the case may be. But in such cases, condonation will be considered for award of grades for CE.
- 7.12 **Credit Transfer:** The Credits acquired for Courses in other universities within the country would be accepted on a reciprocal basis according to University norms. Credit transfer and accumulation system can be adopted in a Programme. Transfer of Credit consists of acknowledging, recognizing and accepting Credits by an institution for programmes or courses completed at another institution. The Credit transfer scheme shall allow students pursuing a programme in one University to continue their Education in another University without break.

8. Board of Studies, Courses and Syllabi

- 8.1 The Board of studies (in each subject) shall design all the Courses and syllabi for each Course in that subject offered in the First-Degree Programme subject to the Regulations of the University. The Board shall design and introduce new Courses, modify or redesign existing Courses or replace any Course/Courses with new/modified Courses to ensure better exposure and training to students.

- 8.2 The syllabus for a Course shall include: Course code, the title of the Course, the statement of the aims and objectives of the Course and the number of Credits; instructional hours in terms of lectures, tutorials, and laboratory sessions with the pre-requisites if any, for taking the Course. The Course content shall be given in a unitized manner along with a list of reading materials.
- 8.3 The syllabus for each Course shall include the mode of transacting that Course in terms of lectures, tutorials, seminars, laboratory sessions, field work, projects and such other activities.
- 8.4 The syllabus for each Course shall also indicate the scheme of evaluation/ examination.
- 8.5 For laboratory sessions, the size of a batch shall depend upon the size of the laboratory, the facilities available for controlling and supervising the group of students, and the availability of the number of instruments for individual use. The optimal number of students in a batch for a normal laboratory session under the supervision of a teacher will be 15. In computer laboratory and Language laboratory, the number can be more, or less, depending upon the availability of infrastructure. There shall be at least one teacher to supervise a batch of not more than 15 students in each laboratory session.
- 8.6 For tutorials, a group shall not generally be more than 15 students.
- 8.7 For supervision of Dissertation/Project, each student shall be assigned to a Teacher. Not more than 15 students shall be assigned to a particular teacher in a Semester for such supervisory work.
- 8.8 There shall be a minimum of 15 students but not more than 75 students for Open Courses.
- 8.9 Maximum number of students for Language course shall not be more than 50.

9. Evaluation and Grading

- 9.1 Evaluation of each Course shall be done in percentage score and shall involve Continuous evaluation (CE) with a weight of 25 % and End Semester Evaluation (ESE) with a weight of 75 %.
- 9.2 Continuous Evaluation
- 9.2.1 All records of Continuous Evaluation shall be kept in the Department and shall be made available for verification by the University, if and when necessary.
- 9.2.2 **Attendance:**
The allotment of grade for attendance shall be as follows:
- | | | |
|---------------------------|---|---------|
| Attendance less than 75 % | - | E grade |
| 75 % & less than 80% | - | D grade |
| 80% & less than 85% | - | C grade |
| 85% & less than 90% | - | B grade |
| 90% & above | - | A grade |
- 9.2.3 **Assignments or Seminars: (WEIGHT 1)**
Each student shall be required to do one assignment or one seminar for each Course. Valued assignments shall be returned to the students. The seminars shall be organized by the teacher/teachers in charge of CE and the same shall be assessed by a group of teachers including the teacher/teachers in charge of that Course. Assignments/Seminar shall be graded on the basis of their quality. The teacher shall define the expected quality of an assignment in terms of structure, content, presentation etc. and inform the same to the students. Due weight may be given for punctuality in submission. Seminar shall be similarly graded in terms of structure, content, presentation, interaction etc. (Clause 12.6 of regulations dated 28-08-2010 added to clause 9.2.3).
- 9.2.4 **Tests: (WEIGHT 2)**
For each Course there shall be at least two class tests during a Semester. Grades for the test component in CE shall be awarded on the basis of calculating average of the grades secured for the two class tests. Valued answer scripts shall be made available to the students for perusal within 10 working days from the date of the test. Test papers shall be graded by the same procedure adopted for End-Semester-Evaluation (ESE) of theory course. (Clause 12.7 of regulations dated 28.8.2010 added to clause 9.2.4).
- 9.2.5 **Announcement of results of CE.**
The results of the CE shall be displayed within 5 working days from the last day of a Semester. Complaints regarding the award of grades for CE if any, have to be submitted to

the Head of the Department within 3 working days from the display of results of CE. These complaints shall be examined by the Department committee and shall arrive at a decision, which shall be communicated to the student.

- 9.2.6 The statement of grades of the CE of all the students shall be approved by the Department committee, countersigned by the Principal and forwarded to the Controller of Examinations within 15 working days from the last day of the Semester. The University has the right to normalize the CE, if required, for which separate rules shall be framed.

9.3 **End Semester Evaluation (ESE):**

End Semester Examination of all the Courses in all Semesters shall be conducted by the University. The results of the ESE shall be arranged to be published according to the examination calendar prescribed by the University level monitoring committee, which shall not exceed 45 days from the last day of the examination.

10. Project/Dissertation Work:

- 10.1 For each First Degree Programme there shall be a Project/ Dissertation Work.
- 10.2 The Project/Dissertation work can be done either individually or by a group not exceeding five students. However, Viva-Voce Based on the Project/Dissertation work shall be conducted individually.
- 10.3 The topics shall either be allotted by the supervising teacher or be selected by the students in consultation with the supervising teacher.
- 10.4 The report of the Project/ Dissertation shall be submitted to the Department in duplicate before the completion of the sixth Semester. There shall be no continuous assessment for Dissertation / project work.
- 10.5 A Board of two Examiners appointed by the University shall evaluate the report of the Project/Dissertation Work.
- 10.6 The detailed guidelines regarding the conduct and evaluation of the Project/ Dissertation will be framed by the Board of Studies concerned.

11. Social Service/Extension Activity:

- 11.1 It is mandatory for a student to participate in any one of the following Social Service/Extension Activities for not less than forty hours, during the 3rd and 4th Semester, for successful completion of the Programme
- 1) Health Education
 - 2) Peoples Planning Programme
 - 3) Debate Club
 - 4) Environmental Activities
 - 5) Human Rights Forum
 - 6) Community Health Activity
 - 7) Kerala State Literacy Mission
 - 8) Performing Arts Club-Folklore
 - 9) Media Club
 - 10) Community Based activities of CACEE
 - 11) NSS
 - 12) NCC
 - 13) Sports Club
 - 14) Science Club
 - 15) Nature Club/Eco Club
 - 16) Theatre Club
 - 17) Planning Forum
 - 18) Literary Club
 - 19) Women's study Unit
 - 20) Anti-Ragging Cell
 - 21) State Library Council Affiliated Rural Public Libraries
- 11.2 There shall be a General Coordinator to be nominated by the College Council, for the conduct of all these activities.
- 11.3 A statement testifying the participation of the students shall be forwarded to the Controller of Examinations along with the statement of CE results for the 4th Semester.

- 11.4 Those who have not secured the minimum number of hours of Social Service/Extension Activity during the 3rd and 4th Semester shall secure the minimum required attendance by attending such Programmes during the subsequent 5th and 6th Semesters. In such cases, the details about participation shall be forwarded to the Controller of Examinations, by the College authorities along with the CE results of the 6th Semester.
- 11.5 Separate rules will be framed by the University for awarding Credit for participation in social service/Extension activities.

12 GRADING SYSTEM

- 12.1 Both CE and ESE will be carried out using Direct Grading System on a 5-point scale as given below:

Direct Grading

Letter Grade	Performance	Grade Points (G)	Grade Range
A	Excellent	4	3.50 to 4.00
B	Very Good	3	2.50 to 3.49
C	Good	2	1.50 to 2.49
D	Average	1	0.50 to 1.49
E	Below Average	0	0.00 to 0.49

In direct grading, each descriptive answer is directly given a letter grade in place of marks, on the basis of an assessment of the quality of the answer. In case of objective type questions, grading is undertaken by bunching them into 4. Thus, if all the 4 answers in the bunch are correct, the bunch can be graded as A; if 3 are correct the grade is B; if 2 are correct the grade is C; if 1 is correct the grade is D; if no answer is correct, the grade is E.

- 12.2 Consolidation of Grades

The overall grade for an answer paper (ESE theory) is consolidated by dividing the sum of weighted grade points by the sum of weights, as shown in the example given below:

Consolidation of Grades for an Answer Paper (Theory)

Consolidation of Grades for an Answer Paper (Theory)

Question Type	Question No.	Grades awarded	Grade points (P)	Weight (W)	Weighted Grade points
Objective 4 bunches – No Choice 4x1= 4 Weightage	1-4	C	2	1	2
	5-8	B	3	1	3
	9-12	D	1	1	1
	13-16	A	4	1	4
Short answer (8 out of 12) 8x1=8 weightage	17	A	4	1	4
	18	-----	-----	-----	-----
	19	C	2	1	2
	20	B	3	1	3
	21	A	4	1	4
	22	A	4	1	4
	23	A	4	1	4
	24	-----	-----	-----	-----
	25	C	2	1	2
	26	-----	-----	-----	-----
	27	A	4	1	4
	28	-----	-----	-----	-----
Short Essay / Paragraph (5 out of 8) 5 x2=10 Weightage	29	B	3	2	6
	30	B	3	2	6
	31	-----	-----	-----	-----
	32	B	3	2	6
	33	-----	-----	-----	-----
	34	B	3	2	6
	35	A	4	2	8
	36	-----	-----	-----	-----

Long Essay (2 out of 3) 2x4 = 8 Weightage	37	B	3	4	12
	38	-----	-----	-----	-----
	39	C	2	4	8
Total	30			30	89
Grade of Answer Paper	Total weighted grade points / Total weights = 89/30 = 2.97 = Grade B				

The hatched rows are excess answers and hence ignored

12.3 The grade of a answer paper (ESE Practical) shall be consolidated by similar procedure discussed above by assigning weights for the various components (e.g., Procedure, Experiment, Calculation, Accuracy of the reported values, Presentation of results, Diagrams, etc.). The Boards of studies shall define the components and their weights and include them in the scheme and syllabus of each practical Course.

12.4 The grades for Continuous Evaluation (CE) shall be consolidated using the same procedure adopted for the ESE grade by combining the grades of the internal components, taking into account their weights.

Clause 12.5 of regulations dated 28-08-2010 deleted.

12.5. If B, C and A grades are scored by a student for attendance, assignment, seminar and test paper respectively for a particular Course, then her/his CE grade for that Course shall be consolidated as shown in the example given below:

Consolidation of Grades for CE

Component	Weight (W)	Grade	Grade points (G)	Weighted Grade (W x G)
Attendance	1	B	3	3
Assignment/Seminar	1	C	2	2
Test paper	2	A	4	8
Total	4			13
CE Grade	Total Weighted Grade points/ Total weights = 13/4 = 3.25 = Grade B			

12.6 Consolidation of the grade of CE & ESE of the Course: The grade for a Course is consolidated by combining the ESE and CE grades taking care of their weights. For a particular Course, if the grades scored by a student are C and B respectively for the End Semester and Continuous Evaluation, as shown in the above examples, then, the grade for the Course shall be consolidated as shown in the example given below:

Consolidation of the Grade of a Course

Exam	Weight	Grade	Grade points (G)	Weighted grade points (W x G)
ESE	3	C	2.47	7.41
CE	1	B	3.20	3.20
Total	4			10.61
Grade of Course	Total weighted grade points/ Total weights = 10.61/4 = 2.65 = Grade B			

12.7 A minimum of D grade is required for passing a Course with a separate minimum (D grade) for Continuous Evaluation and ESE.

12.8 Consolidation of SGPA: SGPA is obtained by dividing the sum of Credit points (P) obtained in a Semester by the sum of Credits (C) taken in that Semester. After the successful completion of a Semester, Semester Grade point Average (SGPA) of a student in that Semester shall be calculated. Suppose the student has taken four Courses each of 4 Credits

and two Courses each of 2 Credits in a particular Semester. After consolidating the Grade for each Course as demonstrated above, SGPA has to be consolidated as shown in the example given below:

Consolidation of SGPA

Course code	Title of Course	Credits (C)	Grade awarded	Grade points (G)	Credit points (P = C x G)
01	.....	4	A	4	16
02	.....	4	B	2.65	10.60
03	.....	4	A	3.8	15.2
04		4	C	2.2	8.8
05		2	B	3.2	6.4
06		2	B	3.4	6.8
Total		20			63.80
SGPA	Total Credit points /Total Credits = 63.80/20 = 3.19				

- 12.9 For the successful completion of a Semester, a student has to acquire minimum Credits as given in 7.8 and score a minimum SGPA of 2.00. However, a student is permitted to move to the next Semester irrespective of his/her SGPA.
- 12.10 Consolidation of CGPA: An overall letter grade (Cumulative Grade) for the whole Programme shall be awarded to the student Based on the value of CGPA using a 7-point scale, as given below. It is obtained by dividing the sum of the credit points in all the courses taken by the student, for the entire program by the total number of credits.

Consolidation of CGPA

Semester	SGPA Credit Point(CP)	SGPA Credit (C)	CGPACP/C
1	63.80	20	396.6/120=3.30
2	65.00	20	
3	70.00	20	
4	69.45	20	
5	64.25	20	
6	64.10	20	
Total	396.60	120	
CGPA= Total Credit points of all Semesters divided by Total Credits of all Semesters=396.6/120 = 3.30 = Grade B+			

Please see the table below.

Overall Grade in a Programme

CGPA	Overall Letter Grade
3.80 to 4.00	A+
3.50 to <3.80	A
3.00 to <3.50	B+
2.50 to <3.00	B
2.00 to <2.50	C+
1.50 to <2.00	C
Less than 1.5	D

- 12.11 The grades of the Courses taken over and above the minimum prescribed Credits, shall not be counted for computing CGPA
- 12.12 For the successful completion of a Programme and award of the Degree, a student must pass all Courses satisfying the minimum Credit requirement and must score a minimum CGPA of 2.00 or an overall grade of C+.

12.13 Promotion to Higher Semesters

Students who complete the Semester by securing the minimum required attendance as specified in section 7.11 and who register for the End Semester Examination conducted by the University of each Semester alone shall be promoted to the next higher Semester.

12.14 Repetition of the Semester Courses

Students who fail to secure the minimum required aggregate attendance during a Semester shall be given one or more chances to repeat the Semester along with the subsequent batch of students after obtaining re-admission, subject to provision contained in clause 6.1 they will have to repeat the CE for all Courses.

12.15 Re-appearance of Failed Students

Students who fail shall have to reappear for the ESE of the same along with the next regular batch of students. Failed candidates will have to appear for the examination in the Course concerned. They shall not be allowed to repeat the Semester but the grades secured by them for the CE part shall be carried over and added to the grades obtained in the ESE they reappear. However, those who fail in the CE (i.e. those who fail to secure a minimum of D Grade), will have one more chance to improve the same (except the grade for attendance) along with the next regular batch of students.

12.16 Grace Grades.

Grace grades shall be awarded for Sports/Arts/NCC/NSS in recognition of meritorious achievements by upgrading grades awarded to Courses to the next higher grade in the form of Grade Point Average. Separate rules will be framed by the University in this respect.

13 Grade Card and Award of Degree

13.1 The University under its seal shall issue to the students a Grade Card on completion of each Semester indicating the details of Courses, Credits and grade point, average for each Course and SGPA.

13.2 The final grade card issued at the end of the final Semester on completion of the Programme shall contain the details of all Courses taken during the entire Programme including Additional Courses taken over and above the prescribed minimum Credits for obtaining the Degree. However, for the calculation of CGPA, only those Courses in which the student has performed the best with maximum Credit points alone shall be taken subject to the minimum requirements of Credits for successful completion of a Programme. The final grade card shall indicate the CGPA and CGPA(S)* and the overall letter grade for the whole Programme. The final grade card shall also indicate all the audited Courses (zero Credit) successfully completed by the student during the whole Programme.

13.3. No student shall be eligible for the award of the Degree unless s/he has successfully completed a Programme of not less than 6 Semesters duration and secured at least 120 Credits(excluding Credits for social service/extension) as prescribed by these Regulations.

13.4 The Degree to be awarded shall be called Bachelors Degree in the respective discipline (e.g. B Sc in Chemistry, B A in English, B Com etc) as specified by the Board of Studies and in accordance with the nomenclature specified by the Act and Statutes of the University.

* CGPA(S) is CGPA for specialized subjects. (It is computed in a similar manner but without considering the Language Courses, Foundation Course for Language and Open Course).

14 Monitoring of the Programme

Monitoring of the First Degree Programme shall be done by Committee at three levels viz., Department Level Monitoring Committee (DLMC), College Level Monitoring Committee (CLMC), and University Level Monitoring Committee (ULMC).

14.1 Department Level Monitoring Committee (DLMC)

A committee consisting of the Head of the Department and all teachers of the Department shall monitor the conduct of Courses and evaluation under CE. This committee shall examine the complaints, if any, from aggrieved students regarding the evaluation. The Head of the Department shall be the Chairperson and a teacher selected by DLMC from among the members shall be the Convener.

14.2 College Level Monitoring Committee (CLMC)

The College Level Monitoring Committee shall consist of the Principal, the Heads of departments and the elected representatives of teachers in College Council. The Principal shall be the Chairperson and a member selected by the CLMC from among the Heads of the Departments shall be the Convener. This committee shall be responsible for the conduct of the First Degree

Programme, ensuring minimum instructional days, making arrangements for ESE (University Examinations) of various Semesters etc. This committee shall consider all the complaints not redressed by the DLMCs. While considering the complaints, by the CLMC, the College Union Chairperson shall be included as an invitee. The College Level Monitoring Committee shall be reconstituted by the Principal immediately on commencement of each academic year.

- 14.3 University Level Monitoring Committee (ULMC) shall be reconstituted by the VC immediately on the commencement of each academic year.

The ULMC shall consist of the following members:

- 1) The Pro-Vice-Chancellor
- 2) A Member of the Syndicate representing Teachers of the Affiliated Colleges nominated by the Vice-Chancellor.
- 3) A Dean nominated by the Vice-Chancellor
- 4) Controller of Examinations
- 5) Director, College Development Council (DCDC)
- 6) Student Representative of the Syndicate
- 7) A member of the Academic council nominated by the VC.

The Pro Vice-Chancellor shall be the chairperson and DCDC shall be the convener of the committee. This committee shall be responsible for monitoring and conduct of First Degree Programme envisaged in this regulation. This committee shall finalize the academic calendar and the conduct of the ESE in the college. This committee shall also serve as an appellate committee to examine and settle the complaints not redressed by the CLMC. The committee shall suggest amendments if any to the Regulations of the First Degree Programme.

- 14.4 All committees mentioned under clause 14.1, 14.2 and 14.3 shall meet three times in a Semester, at the beginning, middle and at the end of the Semester.

- 14.4.1 All Committees shall be constituted at the beginning of each Academic Year

- 14.5 Quorum of the Committees

- 14.5.1 **DLMC**

50% of the total number of the members in the Department shall form the quorum of this committee. It is obligatory for the Teacher/teacher-in-charge of the CE for the particular Course/s to attend the meeting.

- 14.5.2 **CLMC**

50% of the total number of members shall form the quorum of the committee. It is obligatory for the Head of the Departments concerned, to be present in the meeting while a complaint pertaining to that Department is discussed in the Committee.

- 14.5.3 **ULMC**

Four members shall constitute the quorum for the meeting of this committee.

15 **Transitory Provision**

Notwithstanding anything contained in these Regulations, the Vice-Chancellor shall for a period of three years from the date of coming into force of these Regulations, have the power to provide by order that these Regulations shall be applied to any Programme with such modifications as may be necessary.

16 **Repeal**

Regulations now in force in so far as they are applicable to Programmes offered in the Affiliated Colleges as mentioned in 2.1 and 2.2 and to the extent they are inconsistent with these Regulations are hereby repealed. In the case of any inconsistency between the existing Regulations and the Regulations relating to First Degree Programme under the Semester Pattern in the Affiliated Colleges and Centres of the University in their application to Courses offered in the Affiliated Colleges and Centres of the University as mentioned in 2.1, the latter shall prevail.

Schedule I

1. Course Structure for B.A/B.Sc. Degree Programmes

Study components	Number of Courses	Credits/Course	Total Credits
Language Courses			
a) English	5	3 - 4	19
b) Additional Language	4	3 - 4	14
Foundation Course	2	2 - 3	5
Core Course	12 - 15	2 - 4	46 - 52
Complementary Course	8 - 10	2 - 3	22 - 28
Project/Dissertation	1	4	4
Open/Elective Course	1+1	2	4

2. Course Structure for B.Com. Degree Programme

Study components	Number of Courses	Credits/Course	Total Credits
Language Courses			
a) English	4	3 - 4	14
b) Additional Language	2	4	8
Foundation Course	2	2 - 3	5
Core Course	16	2 - 4	57
Complementary Course	4	3	12
Project/Dissertation	1	4	4
Open/Elective Course	1+1+4	2 - 4	20

Total number of Courses	:	32 - 38
Minimum Duration	:	6 Semesters
Total credits required for the Courses of Study	:	120 Credits
Minimum credit for Social Service/extension activity	:	1 Credit.

Schedule 2

General Course Structure of the Career-related First Degree Programme under CBCS System

All Programmes under schedule 2 are henceforth known as Career Related First Degree Programme. These Programmes are categorized into 2 groups viz. 2(a) & 2 (b).

2(a)

Study Components	Number of Courses	Credits/Course	Total Credits
<i>Language Courses</i>			
1. English	4	3	12
2. Additional Language	2	3	6
<i>Foundation Courses</i>	2	2-3	5
<i>Core Courses</i>	12-14	2-4	38
<i>Vocational Courses</i>	10-12	2-4	35
<i>Complementary Courses</i>	4-6	2-4	16
<i>Open/Elective Courses</i>	2	2	4
<i>Dissertation/project</i>	1	4	4

Accumulated Total Minimum Credits required for Programmes of study = 120 Credits.

Minimum Credits for Social Services/Extension Activity = 1 Credit

Minimum Duration = 6 Semesters

Programmes offered under 2 (a)

- 1) Botany and Biotechnology
- 2) Environmental Science & Environment and Water Management
- 3) Biochemistry & Industrial Micro Biology
- 4) Physics & Computer Application
- 5) Chemistry & Industrial Chemistry
- 6) Journalism & Mass Communication and Video production
- 7) Malayalam and Mass Communication
- 8) English & Communicative English
- 9) Commerce & Hotel Management and Catering
- 10) Commerce & Tax procedure and practice
- 11) Commerce and Tourism and Travel Management.

2 (b)

Study Components	Number of Courses	Credits/Course	Total Credits
<i>Language Courses</i>			
1. English	2	2	4
2. Additional Language			
<i>Foundation Courses</i>	2	2-3	5
<i>Core Courses</i>	20-32	2-4	74-98
<i>Complementary Courses</i>	0-4	2-3	0-12
<i>Open/Elective Courses</i>	2-6	2-4	4-24
<i>Dissertation/project</i>	1	4	4

Accumulated Total Minimum Credits required for Programmes of study = 120 Credits.

Minimum Credits for Social Services/Extension Activity = 1 Credit

Minimum Duration = 6 Semesters

Programmes offered under 2 (b)

- 1) Biotechnology (Multimajor)
- 2) Commerce with Computer Application
- 3) Computer Science
- 4) Electronics
- 5) Computer Application
- 6) Business Administration
- 7) Hotel Management

S. D. College, Alappuzha

IV	CG 1472	Vocational Course V: Content Writing	4	3
IV	CG 1431	Complementary Course IV: Literatures of Travel and Tourism	3	3
V	CG 1541	Core VIII: Film Studies	4	3
V	CG 1542	Core IX: Indian Literature	4	3
V	CG 1543	Core X: Criticism and Theory	5	4
V	CG 1571	Vocational Course VI: Theatre Studies	3	3
V	CG 1572	Vocational Course VII: English Language Teaching	3	3
V	CG 1573	Vocational Course VIII: Language for Advertisement and Marketing	3	3
V	CG1551.1 CG1551.2	Open Course: English for Communication Film Appreciation	3	2
VI	CG 1641	Core XI: Gender Studies	5	4
VI	CG 1642	Core XII: Linguistics and Structure of English Language	5	4
VI	CG 1671	Vocational Course IX: Screen Writing and Subtitling	4	3
VI	CG 1672	Vocational Course X: Public Relations and Corporate Communication	4	3
VI		Industry Based Electives:		
	CG 1661.1 CG 1661.2 CG 1661.3	Proof Reading and Copy Editing Academic Writing Professional Communication Practice	4	3
VI	CG 1643	Project	3	4
		Total Hours and Credits	150	120

CONTENTS

Introduction	3
Course Structure	4
Electives: Selection Options	5
Structure of Syllabus	8
Core Papers	
Paper I - EL211: Chaucer to the Elizabethan Age	11
Paper II- EL212: Shakespeare Studies	15
Paper III – EL213: The Augustan Age	18
Paper IV - EL214: Romantics and Victorians	23
Paper V - EL221: From Modernism to the Present	27
Paper VI – EL222: Indian Writing in English	32
Paper VII – EL223: American Literature	37
Paper VIII – EL224: Critical Studies I	41
Paper IX – EL231: Linguistics and Structure of the English Language	49
Paper X – EL232: Critical Studies II	52
Paper XIII – EL241: English Language Teaching	58
Paper XIV – EL242: Cultural Studies	60
Electives	
Paper XI: EL233	
1. EL233.1: European Drama	69
2. EL233.2: Canadian and Australian Literature	72
3. EL233.3: Film Studies	74
4. EL233.4: Kerala Studies	78
5. EL233.5: Women's Writing	83
Paper XII: EL234	
6. EL234.1: European Fiction	86
7. EL234.2: African and Caribbean Literature	88

- | | |
|---|----|
| 8. EL234.3: Fiction and Film | 91 |
| 9. EL234.4: Folklore Studies | 93 |
| 10. EL234.5: Writing Lives, Performing Gender | 96 |

Paper XV: EL243

- | | |
|--|-----|
| 11. EL243.1: Comparative Literature | 100 |
| 12. EL243.2: South Asian Literature | 103 |
| 13. EL243.3: Screenwriting | 105 |
| 14. EL243.4: Introduction to Theatre Studies | 107 |
| 15. EL243.5: Travel Writing | 110 |

Paper XVI: EL244 (6 hours / week)

- | | |
|--|-----|
| 16. EL244.1: Translation Studies | 113 |
| 17. EL244.2: Regional Literatures in English Translation | 116 |
| 18. EL244.3: Media Studies | 119 |
| 19. EL244.4: Dalit Writing | 121 |
| 20. EL244.5: Theorising Sexualities | 125 |

COURSE STRUCTURE

Semester 1	Core / Elective	Course Code	Name of Paper	Instructional hours/ week	Marks		
					ESA	CA	Total
Paper 1	Core	EL211	Chaucer to the Elizabethan Age	6	75	25	100
Paper 2	Core	EL212	Shakespeare Studies	6	75	25	100
Paper 3	Core	EL213	The Augustan Age	6	75	25	100
Paper 4	Core	EL214	Romantics and Victorians	7	75	25	100
Semester 2							
Paper 5	Core	EL221	From Modernism to the Present	6	75	25	100
Paper 6	Core	EL222	Indian Writing in English	6	75	25	100
Paper 7	Core	EL223	American Literature	6	75	25	100
Paper 8	Core	EL224	Critical Studies I	7	75	25	100
Semester 3							
Paper 9	Core	EL231	Linguistics and Structure of the English Language	6	75	25	100
Paper 10	Core	EL232	Critical Studies II	7	75	25	100
Paper 11	Elective 1	EL233.		6	75	25	100
Paper 12	Elective 2	EL234.		6	75	25	100
Semester 4							
Paper 13	Core	EL241	English Language Teaching	6	75	25	100
Paper 14	Core	EL242	Cultural Studies	7	75	25	100
Paper 15	Elective 3	EL243.		6	75	25	100
Paper 16	Elective 4	EL244.		6	75	25	100
Paper 17	Compr Ppr	EL245	Comprehensive Paper		100		
Paper 18	Project	EL246	Project		80		100
			Project based Viva Voce		20		
Grand Total							1800

6	EN 1644	Core Course 14: World Classics	4	3
6	EN 1661.1	Elective Course: Translation Studies	3	2
6	EN 1661.2	Elective Course: American Literature	-do-	-do
6	EN 1661.3	Elective Course: Creative Writing	-do-	-do
6	EN 1661.4	Elective Course: English for the Media	-do-	-do
6	EN 1661.5	Elective Course: 20 th Century Regional Literatures in English Translation	-do-	-do
6	EN 1661.6	Elective Course: Copy Editing	-do-	-do
6	EN1645	Project	3	4

3

BA English Language and Literature: Programme Outcome

PO 1: A comprehensive understanding of the discipline of literary studies **PO 2:** Realize the divergent and plural voices that come in to the making of the corpus of literary studies.

PO 3: Understand literature as one of the many arts that seeks literary expression and its close connection with other art forms like painting, music, dance, movie and so on down the ages. **PO**

4: Imbibe the importance of multidisciplinary approach to understand the nuances of literary expressions.

PO 5: Understand the specific socio-cultural backdrop of the formation of literary representations.

PO 6: Form an awareness of the multiplicities of such socio-cultural realities that shape literary representations and to critique the inherent hegemony.

PO 7: The ability to trace the development of the English language from the early writings to its present day use in specific contexts.

PO 8: Address the requirements of the language use in a globalized context **PO 9:** Ensure the importance of study of the English language in relation to the study of language and literature of the mother tongue.

PO 10: Have improved competence in translation and to view the same not only as a tool for

Course Code	Course Type	Course Title	Credit	Lecture Hours/ Week
HN 1641	Core Course XI	Post Modern Hindi Fiction from 1980 to 2000	4	5
HN 1642	Core Course XII	Literary Criticism	4	5
HN 1643	Core Course XIII	Translation: Theory & Practice	4	5
HN 1644	Core Course XIV	Film: History & Production	3	4
HN 1645	Project/Dissertation	Dissertation	4	3
HN 1651	Elective	Journalism And Hindi Journalism in Kerala	2	3
			21-C	25-L.H.

Sem. No.	Course Code	Course Title	Distribution Hrs per semester	Instructional hours/ weeks		Duration of ESA	Maximum Marks		
				L	P		CA	ESA	Total
I	ML211	പ്രാചീനസാഹിത്യം	90	5	-	3	25	75	100
	ML212	മധ്യകാലസാഹിത്യം	90	5	-	3	25	75	100
	ML213	കേരളസംസ്കാരം	108	6	-	3	25	75	100
	ML214	മലയാളവ്യാകരണം	108	6	-	3	25	75	100
		ഗവേഷണരീതിശാസ്ത്രം	54	3	-				
	ML221	ആധുനികസാഹിത്യം-ഗദ്യം	90	5	-	3	25	75	100
	ML222	ആധുനികസാഹിത്യം-പദ്യം	90	5	-	3	25	75	100
	ML223	ഭാരതീയകാവ്യമീമാംസ	108	6	-	3	25	75	100
	ML224	സാഹിത്യമീമാംസ-പാശ്ചാത്യം	108	6	-	3	25	75	100
		ഗവേഷണരീതിശാസ്ത്രം	54	3	-		25		
III	ML231	സമകാലികസാഹിത്യം-ഗദ്യം	108	6	-	3	25	75	100
	ML232	സാഹിത്യചരിത്രവിജ്ഞാനീയം	126	7	-	3	25	75	100
	ML233	Sanskrit Paper I	108	6	-	3	25	75	100
	ML234	മലയാളവിമർശനം	108	6	-	3	25	75	100
IV	ML241	സമകാലികസാഹിത്യം-പദ്യം	108	6	-	3	25	75	100
	ML242	Sanskrit Paper II	108	6	-	3	25	75	100
	ML243	ആധുനികഭാഷാശാസ്ത്രം	126	7	-	3	25	75	100
	ML244	ഐച്ഛികം * 1. താരതമ്യസാഹിത്യം 2. നാടോടി വിജ്ഞാനീയം 3. വിവർത്തനം: തത്വവും പ്രയോഗവും	108	6	-	3	25	75	100
ML 245 Dissertation/Project 50+25+25								100	
Comprehensive Viva								100	
Total								1800	
L : Lecture, P : Practical, CA : Continuous Assessment, ESA : End Semester Assessment									
* ഒരു കേന്ദ്രത്തിൽ ഒന്നിൽക്കൂടുതൽ ഐച്ഛികം പാടില്ല. ഒരേണ്ണം മാത്രം തിരഞ്ഞെടുക്കുക.									

Sem. No.	Course No.	Course Title	International Hours	Credits	Page No.
സെമസ്റ്റർ നാല്					
4	EN1411	Language Course 8 (English 5):	5	4	
4	ML 1411.1	Language Course 9 : (Additional Language 4) ദൃശ്യകലാസാഹിത്യം (ദൃശ്യകലാമുദ്രി)	5	4	46
4	ML 1441	Core Course - 4 ആധുനിക മലയാളകവിത	5	4	48
4	ML 1442	Core Course 5 : നിരൂപണസാഹിത്യം	4	3	52
4	ML 1431	Compl. Course 7 : രുളിത് സംഹിത്യം, സ്ത്രീവാദസാഹിത്യം	3	3	55
4	ML1431.2	Compl. Course 8 : സംസ്കൃതം -4	3	3	
ആകെ			25	21	
സെമസ്റ്റർ അഞ്ച്					
5	ML 1541	Core Course 6 : ഭാഷാശാസ്ത്രം	4	4	58
5	ML 1542	Core Course 7 : ചെറുകഥാപഠനം	4	4	61
5	ML 1543	Core Course 8 : വിവർത്തനം സിദ്ധാന്തവും പ്രയോഗവും	3	3	65
5	ML 1544	Core Course 9 : ജീവചരിത്രം, ആരങ്കഥ യാത്രാസാഹിത്യം	3	3	69
5	ML 1545	Core Course 10 : മലയാളഭാഷാ സാഹിത്യചരിത്രം - 1	5	4	71
5	ML 1551	Open Course ML 1551.1 നകരളിയകലകൾ ML 1551.2 ലിംഗനിതിസാഹിത്യവും ഭിന്നശേഷി പഠനവും ML 1551.3 ചലച്ചിത്രപഠനം ML 1551.4 ജനപ്രിയസാഹിത്യപഠനം	3	2	74 78 81 85
5		PROJECT DISSERTATION	3		
ആകെ			25	20	
സെമസ്റ്റർ ആറ്					
6	ML 1641	Core Course 11: മലയാള ഭാഷാ സാഹിത്യചരിത്രം 2	5	4	88
6	ML 1642	Core Course 12 : മലയാള വ്യാകരണം	5	4	91
6	ML 1643	Core Course 13 : ആധുനികപുരൂർവ്വ മലയാള കവിത	5	4	95
6	ML 1644	Core Course 14 : നാട്ടറിവുപഠനം	4	3	99
6	ML1651	Open Course 2 (Elective)	3	2	
		ML1651.1 താരതമ്യസാഹിത്യം			102
		ML1651.2 മാധ്യമലോകം			104
		ML1651.3 ചലച്ചിത്രപഠനം			107
		ML1651.4 ദേശീയതയുടെ സാഹിത്യം			111
6	ML1645	PROJECT DISSERTATION	3	4	
ആകെ			25	21	
Total			150	120	

PROGRAMME STRUCTURE

SEMESTER – I

Courses	Course Code	Course Title	Instructional Hours Per Week		End Semester Exam Hours		Credit
			Theory	Practical	Theory	Practical	
Language Course I	EN 1111	English I	5	-	3	-	4
Language Course II	1111	Additional Language I	4	-	3	-	4
Foundation Course I	CO 1121	Methodology and Perspectives of Business Education	4	-	3	-	2
Core Course I	CO 1141	Environmental studies	4	-	3	-	3
Core Course II	CO 1142	Management Concepts and Thoughts	4	-	3	-	3
Complementary Course I	CO 1131	Managerial Economics	4	-	3	-	3
		Total	25				19

SEMESTER II

Courses	Course Code	Course Title	Instructional Hours Per Week		End Semester Exam Hours		Credit
			Theory	Practical	Theory	Practical	
Language Course III	EN 1211	English II	5	-	3	-	4
Language Course IV	1211	Additional Language II	4	-	3	-	4
Foundation Course II	CO 1221	Informatics and Cyber Laws	4	-	3	-	3
Core Course III	CO 1241	Financial Accounting	4	-	3	-	3
Core Course IV	CO 1242	Business Regulatory Framework	4	-	3	-	3
Complementary Course II	CO 1231	Business Mathematics	4	-	3	-	3
		Total	25				20

SEMESTER – III

Courses	Course Code	Course Title	Instructional Hours Per Week		End Semester Exam Hours		Credit
			Theory	Practical	Theory	Practical	
Language Course V	EN 1311	English III	3	-	3	-	3
Core Course V	CO 1341	Entrepreneurship Development	4	-	3	-	3
Core Course VI	CO 1342	Advanced Financial Accounting	5	-	3	-	4
Core Course VII	CO 1343	Company Administration	4	-	3	-	3
Elective Course I	CO 1361	Elective stream 1/2/3/4/5	5(1)	(4)	3	(1.5)	4
Complementary Course III	CO 1331	E-Business	4	-	3	-	3
		Total					

SEMESTER IV

Courses	Course Code	Course Title	Instructional Hours Per Week		End Semester Exam Hours		Credit
			Theory	Practical	Theory	Practical	
Language Course VI	EN 1411	English IV	3	-	3	-	3
Core Course VIII	CO 1441	Indian Financial Markets	4	-	3	-	3
Core Course IX	CO 1442	Banking and Insurance	4	-	3	-	4
Core Course X	CO 1443	Corporate Accounting	5	-	3	-	4
Elective Course II	CO 1461	Elective stream 1/2/3/4/5	5(1)	(4)	3	(1.5)	4
Complementary Course IV	CO 1431	Business Statistics	4	-	3	-	3
		Total	25(21)	(4)			21

Figures in brackets are applicable only for computer application stream

SEMESTER V

Courses	Course Code	Course Title	Instructional Hours Per Week		End Semester Exam Hours		Credit
			Theory	Practical	Theory	Practical	
Core Course XI	CO 1541	Fundamentals of Income Tax	5	-	3	-	4
Core Course XII	CO 1542	Cost Accounting	5	-	3	-	4
Core Course XIII	CO 1543	Marketing Management	4	-	3	-	4
Open Course I	CO 1551	Open Course – 1/2/3	3	-	3	-	2
Elective Course III	CO 1561	Elective stream 1/2/3/4/5	5(1)	(4)	3	(1.5)	4
Project	-	Project	3	-	-	-	-
		Total	25(21)	(4)			18

Figures in brackets are applicable only for computer application stream

SEMESTER VI

Courses	Course Code	Course Title	Instructional Hours Per Week		End Semester Exam Hours		Credit
			Theory	Practical	Theory	Practical	
Core Course XIV	CO 1641	Auditing	4	-	3	-	4
Core Course XV	CO 1642	Applied Costing	5	-	3	-	4
Core Course XVI	CO 1643	Management Accounting	5	-	3	-	4
Open Course II	CO 1651	Open Course – 1/2/3	3	-	3	-	2
Elective Course IV	CO 1661	Elective stream 1/2/3/4/5	5(1)	(4)	3	(1.5)	4
Project	CO 1644	Project	3	-	-	-	4
		Total	25(21)	(4)			22
		Grand Total (SI+SII+SIII+SIV+SV+SVD)					120

Semester

III

IV

V

VI

**Scheme and Syllabus
(from 2018 Admission onwards)**

SEMESTER I			Marks		
Code	Paper	Subject	CA	ESA	Total
CO 211	Paper1	Business Ethics and Corporate Governance	25	75	100
CO 212	Paper2	Legal Framework for Business	25	75	100
CO 213	Paper3	Research Methodology	25	75	100
CO 214	Paper4	Planning and Development Administration	25	75	100
CO 215	Paper5	Advanced Corporate Accounting and Reporting	25	75	100
Total			125	375	500

SEMESTER II			Marks		
Code	Paper	Subject	CA	ESA	Total
C0 221	Paper 1	E-Business and Cyber Laws	25	75	100
C0 222	Paper 2	Strategic Management	25	75	100
C0 223	Paper 3	Quantitative Techniques and Financial Econometrics	25	75	100
C0 224	Paper 4	International Business	25	75	100
C0 225	Paper 5	Investment Management	25	75	100
Total			125	375	500

Summer Internship

Elective - FINANCE

SEMESTER III			Marks		
Code	Paper	Subject	CA	ESA	Total
CO 231U	Paper1	Income tax Planning and Management	25	75	100
CO 232F	Paper2	Security Analysis and Portfolio Management	25	75	100
CO 233F	Paper3	International Financial Management	25	75	100
CO 234F	Paper4	Strategic Cost and Management Accounting	25	75	100
Total			100	300	400

IV	EN1411 Eng Lang. V	5	4	3 hours	20%	80%	25
	1411Addl Lang. IV	5	4	„			
	PY1441Core Course III	3	3	„			
	PY 1442 Core (Pract I) IV	-	2 3	„			
	MM1431.1 Compl. Course VII	5	- 4	3 hours			
	Compl. Course VIII (CH1431.1/ST1431.2/ PCH1431.7/EL1431)	3	- 3	„			
	Compl. (Practical) IX (CH1432.1/ST1432.2/ PCH1432.7/EL1432)	-	2 4	„			
V	PY1541 Core Course V	4	- 4	3 hours	20%	80%	18
	PY1542 Core Course VI	4	- 4	„			
	PY1543 Core Course VII	4	- 4	„			
	PY1544 Core Course VIII	4	- 4	„			
	Core (PracticalII)	-	4 -	-			
	Open Course (PY1551.1/PY1551.2/ PY1551.3/PY1551.4/ PY1551.5)	3	- 2	3 hours			
	Project	-	2 -	-			
VI	PY1641 Core Course IX	4	- 4	3 hours	20%	80%	26
	PY1642 Core Course X	4	- 4	„			
	PY1643 Core Course XI	4	- 4	„			
	PY1644 Core Course XII	4	- 3	„			
	PY1645 Core (Pract II) XIII	-	2 2	„			
	PY1646 Core (Pract III) XIV	-	2 3	„			
	Elective Course (PY1661.1/PY1661.2/ PY1661.3/PY1661.4/ PY1661.5)	3	- 2	„			
	PY1647 Project and Research Institute/Science Museum	-	2 4	-			

III	PH 231	Advanced Quantum Mechanics	6	1	...	3	25	75	100
	PH 232	Advanced Spectroscopy	6	1	...	3	25	75	100
	PH 233 X	Special Paper I	6	1	...	3	25	75	100
	PH 261	Advanced Physics Practicals	...	1	4	...	...	...	...
	PH 262	Advanced Electronics Practicals	...	1	3	...	...	...	...
		Total for Semester III (S3)	18	5	7	...	75	225	300
	PH 241	Condensed Matter Physics	6	1	...	3	25	75	100
	PH 242	Nuclear & Particle Physics	6	1	...	3	25	75	100
	PH 243 X	Special Paper II	6	1	...	3	25	75	100
	PH 261	Advanced Physics Practicals	...	1	3	6	25	75*	100

B: SPECIAL PAPERS FOR THIRD AND FOURTH SEMESTERS

Special paper Category	Code Nos of Special Papers	Name of Special Papers
1 ELECTRONICS	PH 233 E PH 243 E	Advanced Electronics-I Advanced Electronics-II
2 MATERIALS SCIENCE	PH 233 M PH 243 M	Materials Science-I Materials Science-II
3 NUCLEAR PHYSICS	PH 233 N PH 243 N	Advanced Nuclear Physics Radiation Physics
4. SPACE PHYSICS	PH 233 S PH 243 S	Space Physics and Plasma Physics Advanced Astrophysics
5.THEORETICAL PHYSICS	PH 233 T PH 243 T	Theoretical Physics-1 Theoretical Physics-2

C: GENERAL GUIDELINES

C-1 Theory papers

Books of study and corresponding chapters are given for most of the theory papers in the syllabus to define the scope of the syllabus.

For internal evaluation of theory papers at least one Viva must be conducted for each paper

For assignments and seminars current developments in the areas of the syllabus may be chosen for improving the general awareness of the student

In tutorial sessions of theory papers problem solving in different topics of the syllabus may be discussed.

C-2 Lab Courses

Rough records may be properly maintained for each practical paper and should be produced during the University Practical Examinations along with original record book.

STRUCTURE OF ELECTIVE COURSES

Sem	Course Code	Course title	Instr.hrs. per week	Credit
VI	MM 1661.1	Graph Theory	3	2
VI	MM 1661.2	Linear Programming with SageMath	3	2
VI	MM 1661.3	Numerical Analysis with SageMath	3	2
VI	MM 1661.4	Fuzzy Mathematics	3	2

STRUCTURE OF THE COMPLEMENTARY COURSES

Complementary Course in Mathematics for First Degree Programme in Physics

Course Code	Sem.	Title of Course	Contact hrs/week	No. of Credits
MM 1131.1	1	Calculus with applications in Physics – I	4	3
MM 1231.1	2	Calculus with applications in Physics – II	4	3
MM 1331.1	3	Calculus and Linear Algebra	5	4
MM 1431.1	4	Complex Analysis, Special Functions and Probability Theory	5	4

Complementary Course in Mathematics for First Degree Programme in Chemistry

Course Code	Sem.	Title of Course	Contact hrs/week	No. of Credits
MM 1131.2	1	Calculus with applications in Chemistry – I	4	3
MM 1231.2	2	Calculus with applications in Chemistry – II	4	3
MM 1331.2	3	Linear Algebra, Probability Theory & Numerical Methods	5	4
MM 1431.2	4	Differential Equations, Vector Calculus and Abstract Algebra	5	4

M.Sc MATHEMATICS
(Revised Syllabus from 2020 Admissions)
LIST OF COURSES

SEMESTER– I

MM211 Linear Algebra (Previous Syllabus)
MM212 Real Analysis - I (Revised Syllabus)
MM213 Ordinary Differential Equations (New Syllabus)
MM214 Topology – I (Previous Syllabus)

SEMESTER – II

MM221 Abstract Algebra (New Syllabus)
MM222 Real Analysis - II(Revised Syllabus)
MM223 Topology – II (Previous Syllabus)
MM224 Partial Differential Equation and Calculus of Variation(New Syllabus)

SEMESTER– III

MM231 Complex Analysis (Previous Syllabus Complex Analysis- I)
MM232 Functional Analysis – I (Revised Syllabus)
MM233 Elective (One among the following)
Automata Theory (Previous Syllabus)
Probability Theory(Previous Syllabus)
Operations Research (New Syllabus)
Algebraic Topology (Previous Syllabus)
Numerical Analysis with Python(New Syllabus)
Algebraic Geometry(New Syllabus)

MM234 Elective (One among the following)

Approximation Theory (Previous Syllabus)
Curves, Surfaces and Manifolds(New Syllabus)
Geometry of Numbers (Previous Syllabus)
Differential Geometry (Revised Syllabus)
Graph Theory (Previous Syllabus)
Fractal Geometry (New Syllabus)

SEMESTER – IV


MM241 Number Theory (New Syllabus)
MM242 Functional Analysis – II (Revised Syllabus)
MM243 Elective (One among the following)

Difference Equations (Previous Syllabus)
Theory of Wavelets (Previous Syllabus)
Coding Theory (New Syllabus)
Advanced Algebra (New Syllabus)
Mechanics (Previous Syllabus)
Cryptography (New Syllabus)

MM244 Elective (One among the following)

Advanced Graph Theory (Previous Syllabus)
Commutative Algebra (Previous Syllabus)
Advanced Complex Analysis(New Syllabus-previous syllabus
of Complex Analysis II)
Representation Theory of Finite Groups (Previous Syllabus)
Category Theory (Previous Syllabus)
Spectral Graph Theory(New Syllabus)

S. D. College, Alappuzha

V	HY1541	Core V1 -Major trends in Historical thoughts and writings	4	4
	HY1542	Core V11 -Colonialism and Resistance movements in India	4	4
	HY1543	Core V111 -History of Modern World – Part II	3	2
	HY1544	Core 1X -History of Pre- Modern Kerala	4	4
	HY1545	Core X -Making of Indian Nation	3	2
	HY 1551.1	Open Courses- Empowerment of Women with special reference to India		
	HY 1551.2	An Introduction to Archaeology	3	2
HY1551.3	History of Human Rights Movement. Project/Dissertation			
	Historical Method-Mechanics Project Writing	3	0	
	Study Tour			
	Total		25	20
V1	HY1641	Core XI - Making of Modern Kerala	5	4
	HY 1642	Core XII - Major trends in Indian Historical thought & writings	5	4
	HY1643	Core XIII - Contemporary India	5	4
	HY1644	Core XIV - Twentieth Century Revolutions	4	3
	HY1651.1	Electives  Historical Tourism	3	2
	HY1651.2	Heritage Studies		
	HY 1651.3	Contemporary World		
	HY1651.4	Empowerment of Women with special reference to India		
HY1651.5	An Introduction to Archaeology			
HY1651.6	History of Human Rights Movement.			
HY1651.7	Environmental History of Modern India			
HY1645	Project/Dissertation	3	4	
	Total		25	21
	Grand Total		150	120

Semester	Course Code	Study Components	Instructional Hrs/week		Credit	Duration of Univ.Exam	Evaluation		Total Credit
			T	P			CE	ESE	
IV	ZO 1341	Core course Practical of ZO1341		2					
	EN1411	English V	5		4	3 Hrs	20%	80%	29
	EN1411	Additional Language II	5		4	3 Hrs	20%	80%	
	CH1431.4	Complementary course VII	3		3	3 Hrs	20%	80%	
	CH1432.4	Complementary course Practical of CH1131.4, CH1231.4, CH1331.4, CH1431.4		2	4	3 Hrs	20%	80%	
	BO1431	Complementary course VIII	3		3	3 Hrs	20%	80%	
	BO1432	Complementary course Practical of BO1131, BO1231, BO1331, BO1431		2	4	3 Hrs	20%	80%	
	ZO1441	Core course III	3		3	3 Hrs	20%	80%	
	ZO1442	Core course IV Practical of ZO1141, ZO1241, ZO1341		2	4	3 Hrs	20%	80%	
V	ZO1541	Core Course V	5		4	3 Hrs	20%	80%	14
	ZO1542	Core Course VI	4		4	3 Hrs	20%	80%	
	ZO1543	Core Course VII	4		4	3 Hrs	20%	80%	
	ZO1551	Open Course I	3		2	3 Hrs	20%	80%	
		Core Course Practical of ZO1441		6					
		Project		2		3 Hrs	20%	80%	
		Field study/Study tour		1					
VI	ZO 1641	Core Course VIII	5		4	3 Hrs	20%	80%	27
	ZO1642	Core Course IX	4		4	3 Hrs	20%	80%	
	ZO1643	Core Course X	4		3	3 Hrs	20%	80%	
	ZO1651	Elective Subject	3		2	3 Hrs	20%	80%	
	ZO1644	Core Course XI Practical II of ZO1541, ZO1543, ZO1341		2	4				
	ZO1645	Core Course XII Practical III of ZO1641, ZO1341, ZO1541		2	3	3 Hrs	20%	80%	
	ZO1646	Core Course XIII Practical IV of ZO1642, 1643, 1441		2	3				
	ZO1647	Project Field Study & Study tour		3	4	3 Hrs	20%	80%	

3 ✓	4	Core X International Economics	EC1545	✓
2	3	Open Course I – Introductory Economics ✓	EC1551.1	
2 ✓	3	Human Resource Management	EC1551.2	✓
2	3	Indian Economy Since Liberalisation ✓	EC1551.3	
-	3	Project / Dissertation		
20	25	Total		

Semester VI

Credits	Instructional hours	Course Title	Course No	Sem No
4 ✓	5	Core XI Indian Economy	EC1641	VI ✓
4 ✓	4	Core XII Banking and Finance	EC1642	✓
4 ✓	5	Core XII Public Economics	EC1643	✓
3 ✓	4	Core XII Environment Economics and Disaster Management	EC1644	✓
2 ✓	4	Elective : Kerala Economy	EC1661.1	✓
2	4	Mathematical Economics	1661.2	
2	4	Introductory Econometrics	1661.3	
2	4	History of Economic Thought	1661.4	
3 ✓	3	Project/Dissertation	EC 1645	✓
21	25			
120	150	Grand Total		

:Complementary Courses Offered

Complementary I ✓

EC 1131 Foundations of Economic Theory

Complementary III ✓

EC 1231 Money and Banking

Complementary V ✓

EC 1331 Introduction to International trade and Public Economics

Complementary VII ✓

EC 1431 Indian Economy Since Independence

Credit

CH 214	Inorganic Chemistry Practicals II		3	6	25	75	100
CH 215	Organic Chemistry Practicals II		3	6	25	75	100
CH 216	Physical Chemistry Practicals II		4	6	25	75	100
Total marks for Semester II							600
*Distribution of teaching hours/week: Theory–15 hours, Practical’s –10 hours							
SEMESTER III*							
CH 231	Inorganic Chemistry III	5		3	25	75	100
CH 232	Organic Chemistry III	5		3	25	75	100
CH 233	Physical Chemistry III	5		3	25	75	100
CH 234	Inorganic Chemistry Practicals II		3	(To be continued in Semester IV)			
CH 235	Organic Chemistry Practicals II		3	(To be continued in Semester IV)			
CH 236	Physical Chemistry Practicals II		4	(To be continued in Semester IV)			
Total marks for Semester III							300
*Distribution of teaching hours/week: Theory–15 hours, Practical’s –10 hours							
SEMESTER IV*							
CH 241	Chemistry of Advanced Materials	5		3	25	75	100
CH 242 (a)	Inorganic Chemistry IV	5		3	25	75	100
CH 242 (b)	Organic Chemistry IV						
CH 242 (c)	Physical Chemistry IV						
CH 234	Inorganic Chemistry Practicals II		3	6	25	75	100
CH 235	Organic Chemistry Practicals II		3	6	25	75	100
CH 236	Physical Chemistry Practicals II		4	6	25	75	100
CH 243 (a)	Dissertation**					50	50
CH 243 (b)	Visit to R&D Centre					5	5
Comprehensive viva-voce						45	45
Total marks for Semester IV							600
Grand Total (for semesters I – IV)							1800
*Distribution of teaching hours/week: Theory–10 hours, Practical’s –10 hours , 5 hours for discussion on project							

** 10 marks out of the 50 marks for dissertation will be for dissertation viva-voce.

The remaining 40 marks is to be distributed as follows_

Introduction to the work/ Statement of the Problem – 5, Review of Literature – 5
Materials and Methods – 5, Results and Discussion – 15, Language and style of
presentation – 2, References – 3, Quality and Innovation – 5.

C.CXI CH1642	Organic Chemistry III									4/--	4	4	4
C.CXII CH1643	Physical Chemistry III									4/--	4	4	4
C.C.XIII CH1644	Lab Course IV (Organic Chemistry Experiments)									--/5	3	5	3
C.C.XIV CH1645	Lab Course V (Gravimetric Experiments)									--/3	2	3	2
E.C CH1661	Any one of the options									3/--	2	3	2
C.C.XV CH1646	Project								--/2	--/3	4	5	4
	Factory visit												
Credits/Semester			4	3	3	5	19	23					57

C.C-Core Course, F.C- Foundation Course, O.C-Open Course, E.C-Elective Course
L-Theory, P-Practical, C-Credit

B.Sc.Degree Programme in Chemistry
Table III. Open Course offered to students of other disciplines
Semester V

Semester	No. of Hours/ Week		Credits	Course Code	Title of the Course	Instructional Hours
	L	P				
V	3	-	2	CH1551.1	Chemistry and its Application	54
				CH1551.2	Fundamentals of Chemistry & Its Application to Everyday Life	
				CH1551.3	Environmental Chemistry	

B.Sc.Degree Programme in Chemistry
Table IV. Elective Course offered in Semester VI

Semester	No. of Hours/ Week		Credits	Course Code	Title of the Course	Instructional Hours
	L	P				
VI	3	-	2	CH1661.1	Supramolecular, Nano Particles and Green Chemistry	54
				CH1661.2	Computational, Combinatorial and Physical Organic Chemistry	
				CH1661.3	Polymer Chemistry	
				CH1661.4	Biochemistry	

Table 1. General Structure of the First Degree Programme in Botany

Sem No.	Course Code	Course Title	Instructional hours/ week		Credits	Uty Exam Duration	Evaluation		Total credits
			T	P			Internal	University exam	
I	EN1111	English Language I Additional	5	-	4	3hrs	20%	80%	16
	1111	Additional Language I	4	-	3	„			
	EN1121	Foundation Course I	4	-	2	„			
	BO1141	Core Course I	2	2	3	„			
	CH/BC1131	Compl. Course I (CH/BC)	2	2	2	„			
	ZO1131	Complementary Course II (ZO)	2	2	2	„			
II	EN1211	English Language II	5	-	4	„	20%	80%	17
	EN1212	English Language III	4	-	3	„			
	1211	Additional Language II	4	-	3	„			
	BO1221	Foundation Course II	2	2	3	„			
	CH/BC1231	Compl. Course III(CH/BC)	2	2	2	„			
	ZO1231	Compl. Course IV(ZO)	2	2	2	„			
III	EN1311	English Language IV	5	-	4	„	20%	80%	17
	1311	Additional Language III	5	-	4	„			
	BO1341	Core Course II	3	2	3	„			
	CH/BC1331	Compl. Course V(CH/BC)	3	2	3	„			
	ZO1331	Compl. Course VI(ZO)	3	2	3	„			
IV	EN1411	English Language V	5	--	4	„	20%	80%	25
	1411	Additional Language IV	5	-	4	„			
	BO1441	Core Course III	3	2	3	„			
	CH/BC1431	Compl.CourseVII(CH/BC)	3	2	3	„			
	ZO1431	Compl. courseVIII(ZO)	3	2	3	„			
	CH/BC1432	Compl IX (Practical CH/BC)	-	(8)*	4	„			
	ZO1432	Compl X (Practical ZO)	-	(8)*	4	„			
V	BO1541	Core Course IV	4	3	4	„	20%	80%	20
	BO1542	Core Course V	5	2	4	„			
	BO1543	Core Course VI	4	2	3	„			
	BO1544	Core (Practical-1) VII	-	(4)*	3	„			
	BO1545	Core (Practical-2)VIII	-	(4)*	4	„			
		Open Course I	3	-	2	„			
	BO1551.1	Horticulture							
	BO1551.2	Mushroom cultivation & Marketing							
	BO1551.3	Forestry							
	Project	-	2						
VI	BO1641	Core Course IX	5	2	4	„	20%	80%	25
	BO1642	Core Course X	4	2	4	„			
	BO1643	Core Course XI	4	2	4	„			
	BO1644	Core (Practical-3)XII	-	(5)*	3	„			
	BO1645	Core (Practical-4)XIII	-	(8)*	4	„			
	BO1651	Elective Course II	3	-	2	„			
	BO1646	Project		3	4				
								120	

L = Lecture P = Practical ()*Practical hour already distributed in the semester concerned

SCHEDULE OF WORK LOAD

Semester	Paper code	Subject	Total hours		T Hours/week	P Hours/week
			T	P		
I	BO 211	Phycology	36	18	2	1
		Mycology	27	9	1.5	0.5
		Plant Pathology	18	0	1	0
		Microbiology	27	9	1.5	0.5
	BO 212	Bryophyta	27	9	1.5	0.5
		Pteridophyta	45	18	2.5	1
		Gymnosperms	36	9	2	0.5
	BO 213	Reproductive Biology	27	9	1.5	0.5
		Histology	36	9	2	0.5
		Microtechnique & Histochemistry	45	36	2.5	2
II	BO 221	Taxonomy of Angiosperms	90	36	5	2
		Economic botany	9	9	0.5	0.5
		Ethnobotany	9	0	0.5	0
	BO 222	Environmental Biology	54	36	3	2
		Forest Botany	9	0	0.5	0
		Phytogeography	18	0	1	0
		Conservation Biology	27	0	1.5	0
	BO 223	Cell Biology	36	18	2	1
		Genetics	54	27	3	1.5
		Evolution	18	0	1	0
III	BO 231	Plant Breeding	54	9	3	0.5
		Horticulture	18	9	1	0.5
		Biostatistics	36	9	2	0.5
	BO 232	Biochemistry	36	27	2	1.5
		Plant Physiology	54	27	3	1.5
		Research Methodology	18	0	1	0
	BO 233	Molecular Biology	36	9	2	0.5
		Immunology	18	0	1	0
IV	BO 241	Special Paper – I Bioinformatics & Biophysics	90	18	5	1
			54	18	3	1
	BO 242	Special paper – II Elective	144	90	8	5
	BO 244	Dissertation	36	-	2	-

Elective II Special Papers

BO 242a : Biotechnology

BO 242b : Environmental Biology

BO 242c : Plant Biochemistry and Enzymology

BO 242d : Cytogenetics

Table 1. General Structure of the First Degree Programme in Microbiology

Sem No	Course Code	Course Title	Instructional Hours/week		Credits	Uty Exam Duration	Evaluation		Total Credits
			L	P			Internal	Uty Exam	
I	EN 1111	English Language I	5	-	4	3	25%	75 %	16
	...1111	Additional Language I	4	-	3	3			
	EN1121	Foundation Course I	4	-	2	3			
	MB1141	Core Course I	3	1	3	3			
	CH1131	Complementary Course I*	2	2	2	3			
	BT 1131	Complementary Course II**	2	2	2	3			
II	EN 1211	English Language II	5	-	4	3	25%	75 %	17
	EN1212	English Language III	4	-	3	3			
	1211	Additional Language II	4	-	3	3			
	MB 1221	Foundation Course II	3	1	3	3			
	CH 1231	Complementary Course III	2	2	2	3			
	BT 1231	Complementary Course IV	2	2	2	3			
III	EN 1311	English Language IV	5	-	4	3	25%	75 %	17
	1311	Additional Language III	5	-	4	3			
	MB 1341	Core Course II	3	2	3	3			
	CH1331	Complementary Course V	3	2	3	3			
	BT 1331	Complementary Course VI	3	2	3	3			
	IV	EN1411	English Language V	5	-	4				3	25%	75 %	25
1411		Additional Language IV	5	-	4	3			
MB1441		Core Course III	3	2	3	3			
CH1431		Complementary Course VII	3	2	3	3			
BT1431		Complementary Course VIII (CH/BT)	3	2	3	3			
CH1432		Complementary Course IX (Practical)	-	(8)*	4	3			
BT1432		Complementary Course X. (Chemistry/Biotechnology Practical)	-	(8)*	4	3			
V	MB1541	Core Course IV	4	3	4	3	25%	75 %	20
	MB1542	Core Course V	4	2	3	3			
	MB1543	Core Course VI	5	2	4	3			
	MB1544	Core (Practical- 1) VII	-	(5)*	3	3			
	MB1545	Core (Practical- 2) VIII	-	(5)*	4	3			
		Open Course I	3	-	2	3			
	MB1551.1	Mushroom Culture							
MB1551.2	Microbial Waste Management								
MB1551.3	Biofertilizer Technology Project	-	2	-					
VI	MB1641	Core Course IX	4	3	4	3	25%	75 %	75
	MB1642	Core Course X	4	2	4	3			
	MB1643	Core Course XI	4	2	4	3			
	MB1644	Core (Practical 3) XII	-	(5)*	3	3			
	MB1645	Core (Practical 4) XIII	-	(4)*	4	3			
	MB1661	Elective Course	3	-	2	3			
	MB1646	Project	-	3	4	3			
									120

* CH-Chemistry –Same syllabus of complementary Chemistry offered for Botany/Zoology may be followed

** BT-Biotechnology- New syllabus