

COURSES OFFERED

The college offers the following programmes under the University of Kerala.

UNDERGRADUATE PROGRAMMES

B.A/ B.Sc./ B.Com. Courses of FIRST Degree Programme under Choice Based Credit and Semester System (CBCSS).

Sl. No.	B.A	B.Sc.	B.Com.
1.	English	Mathematics	Commerce
2.	Malayalam	Physics	
3.	Hindi	Chemistry	
4.	Economics	Botany	
5.	Phychology	Zoology	
6.	Sociology		
7.	History		

POSTGRADUATE PROGRAMMES

M.A / M.Sc. /M.Com Courses under Semester System

Sl. No.	M.A	M.Sc.	M.Com
1.	English	Mathematics	Commerce
2.	Malayalam	Physics	
3.	Hindi	Chemistry	
4.	Economics	Botany	
5.		Zoology	

FIRST DEGREE PROGRAMME STRUCTURE

Semester

Semester means a term consisting of 90 working days distributed over a minimum period of 18 week.

Course

Course means a portion of a subject to be taught and evaluated in a semester. A

course of 4 credits will meet a minimum of 4 hours per week and treated as full course. A semi course one credit will meet at least one hour per week in a semester.

Language course

Students who join for any B.A/B.Sc. programme have to study five course in English and four courses in additional language. The additional languages offered are Malayalam, Hindi, Sanskrit and Russian. Those who join for B.Com. programme have to study 4 courses English and 2 courses in additional language.

Foundation Course

Students who join B.A/B.Sc. programmes have to study one course under language and one course under core. For B.Com. programme students have to take up both the foundation courses under the core subject.

Core Course

Core course means compulsory course in a main subject related to the First Degree Programme (FDP) in a discipline. Students who join for B.A/B.Sc. programmes have to study compulsory 12-15 course courses and submit one dissertation/project report. For B.Com. programme a student has to attempt 16 core courses and submit one dissertation/project work.

Complementary Courses

Complementary course means a course in a subject other than the major subject and is complementary to the main subject. Students who join for B.A/B.Sc. programmes have to study 8-10 complementary courses while for B.Com. programme a student has to choose 4 complementary courses.

Open/Elective Course

Students who join for B.A/B.Sc. programmes have to study two courses to a minimum of 4 credits and for B.Com. , a student has to study 6 courses to a minimum of 20 credits. Open course means an optional course which the student is free to take at his/her will. Elective course means a specialized course from the frontier area of core subject.

Audit Courses

Courses which students can register without earning credits (Zero credit course) and are not compulsory for completing the degree programme. Courses for more than the stated number of credits (120) may be obtained through the audit courses.

Repeat Course

Repeat Course is a course that a student repeats if he/she has failed in it. Repeat courses are possible with the next batch for failed candidates. Students who complete the semester, by securing the minimum required attendance and by registering for ESE of each semester alone shall be promoted to higher semester. Students who fail to secure 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 subjected to the condition that the candidate has to complete the programme in not more than 12 continuous semesters and that the candidate has to appear for CE afresh each time.

Credit

Credit of a course measure of weekly unit of work involving lecture or laboratory session or seminar or similar activity designed for the course. Each credit hour is roughly equivalent to one hour of class time per week in a semester.

Attendance

As per the revised order No. Ac. A V/1/UG Sem/2013 dt 11/07/2014, the allotment of marks for attendance is as follows

Attendance	Marks
Less than 51%	0
51-60%	1
61-70%	2
71-80%	3
81-90%	4
91-100%	5

B.A/B.SC. FIRST DEGREE PROGRAMME

Language Course and Foundation Course & Addl. Language For Semester I-IV

Sem. No.	Course code	Course Title
I	EN 1111.1	Listening, speaking and Reading
	EN 1121	Writings on Contemporary Issues
	ML 1111.1	മലയാള കവിത
	HN 1111.1	Prose and grammar
	SK 1111.1	Drama
	RU 1111.1	Grammar and Prose
II	EN 1211.1	Environmental studies
	EN 1212.1	Modern English Grammer & Usage
	ML 1211.1	ഗദ്യസാഹിത്യം
	HN 1211.1	Fiction Creative Writing & Communication skill
	SK 1211.1	Kavya & Prakarana in Sanskrit
	RU 1211.1	Prose and Composition
III	EN 1311.1	Writing and Presentation Skill
	ML 1311.1	ദൃശ്യകലാസാഹിത്യം
	HN 1311.1	Drama Oneact Plays & Translation
	SK 1311.1	Kavya Nataka, Alankara, Vritta
	RU 1311.1	Prose and Translation
	IV	EN 1411.1
ML 1411		വിനിയമം സർഗാത്മകരചന ഭാഷാവബോധം
HN 1411.1		Poetry long Poems and Culture
SK 1411.1		Influence of Sanskrit on Indian Culture
RU 1411.1		Poetry selections from Russian and Soviet Poets

B.Com. language Courses

Sem. No.	Course code	Course Title
I	EN 1111.2	Listening, speaking and Reading
	ML 1111.1	നോവൽ, നാടകം, സഞ്ചാര സാഹിത്യം
	HN 1111.1	Prose Commercial Hindi & Letter Writing
		Grammar & Translation
	SK 1111.3	Kavya and Drama
	RU 1111.2	Grammar and Translation

II	EN 1211.2 ML 1211.2 HN 1211.2 SK 1211.3 RU 1211.2	Modern English Grammar & Usage കവിത, കഥ, ഉപന്യാസം, വിവർത്തനം Poetry Translation Technical Terminology & Communication Prose and Fable in Sanskrit Prose and Composition
III	EN 1311.2	Writing and Presentation Skill
IV	EN 1411.2	Readings in Literature

B.A English (Subject code 130)

Sem No.	Course Code	Course Title
I	EN 1111.1 EN 1121 EN 1141 EN 1131 compl ISG 1135 compl	Listening, Speaking and reading Additional Language Writing on Contemporary Issues Reading Poetry History of English Literature 1 Introduction to Sociology
II	EN 1211.1 EN 1212.1- EN 1241 EN 1231 compl SG 1235 compl	Environmental Studies Modern English grammar and Usage Addl. Lang 2 Reading Drama History of English Literature 2 Political Sociology
III	EN 1311.1 EN 1341 EN 1342 EN 1331 compl SG 1335 compl	Writing and Presentation skills Additional Language 3 Reading Fiction 20 th Century Malayalam Literature in English Translation History of English Literature 3 Social Gerontology
IV	EN1441.1 EN 1441 EN 1421 EN 1431 compl SG 1435 compl EN 1431.3	Readings in Literature(Additional Language 4) Reading Prose Foundation Course 2 : Informatics Complementary Course 7 : History of English Language Women and Society English for Media

V	EN 1541 EN 1542 EN 1543 EN 1544 EN 1545 EN 1551.	Literary Criticism Indian Literature in English Film Studies Linguistics and Phonetics Post Colonial Literatures in English Communicative applications in English
VI	EN 1641 EN 1642 EN 1643 EN 1644 EN 1661.1 EN 1645	World classics Methodology and perspectives of Humanities English for the Media Women's Writing Translation Studies (Elective Course) Project

M.A English

Sem	Paper Code	Name of paper	CA	ESA	Total
I	EL 211	Chaucer to the Elizabethan Age	25	75	100
	EL 212	Shakespeare	25	75	100
	EL 213	The Augustan Age	25	75	100
	EL 214	The Romantic Age	25	75	100
II	EL 221	The Victorian Age	25	75	100
	EL 222	The 20 th century	25	75	100
	EL 223	Indian Writing in English	25	75	100
	EL 224	Literary Theory 1	25	75	100
III	EL 231	Linguistics & Structure of the English Language	25	75	100
	EL 232	Literary Theory 2	25	75	100
	EL 233	European Drama	25	75	100
	EL 233	Women's Writing	25	75	100
IV	EL 241	English Language Teaching	25	75	100
	EL 242	Introduction to Cultural Studies	25	75	100
	EL 243	European Fiction	25	75	100
	EL 243	American Literature	25	75	100
	EL 244	Comprehensive Paper			100
	EL 245	Project & Project based Viva Voce			100

B.A Malayalam (Subject Code 115)

Sem. No.	Course code	Course Title
I	ML 1141 ML 1131 SK 1131.2	നോവൽ-ചരിത്രവും പാഠവും കേരള സംസ്കാരം ഭാഗം I Sanskrit I Poetry and Drama I (compl)
II	ML 1241 ML 1231 SK 1231.2	നാടകം-ചരിത്രം, പാഠം, പ്രയോഗം കേരള സംസ്കാരം ഭാഗം II Sanskrit II Poetry and Drama II (compl)
III	ML 1321 ML 1341 ML 1331 SK 1331.2	ആധുനിക സാങ്കേതിക വിദ്യയും മലയാള ഭാഷാ പഠനവും സാഹിത്യ സിദ്ധാന്തങ്ങൾ-പൗരസ്ത്യവും പാശ്ചാത്യവും പരിസ്ഥിതി സിദ്ധാന്തവും ആവിഷ്കാരവും Sanskrit III Drama and grammar (compl)
IV	ML 1441 ML 1442 ML 1431 SK 1431.2	മലയാള കവിത- പൂർവ്വഘട്ടം മലയാള സാഹിത്യ നിരൂപണം ദളിതെഴുത്ത് പെണ്ണെഴുത്ത്-സിദ്ധാന്തവും ആവിഷ്കാരവും Sanskrit I V Lyric Poem, Fables and Translation (compl)
V	ML 1541 ML 1542 ML 1543 ML 1544 ML 1545	ഭാഷാശാസ്ത്രം ഭാഷാചരിത്രം ചെറുകഥാ പഠനം നാടോടി വിജ്ഞാനീയം ജീവചരിത്രം, ആത്മകത, യാത്രാനുഭവം ചലച്ചിത്രപഠനം
VI	ML 1641 ML 1642 ML 1643 ML 1644 ML 1661.4	മാധ്യമ ലോകം മലയാള വ്യാകരണം മലയാളകവിത- ഉത്തരഘട്ടം വിവർത്തനം-സിദ്ധാന്തവും പ്രയോഗവും തിരക്കഥ രചന:തത്ത്വവും പ്രയോഗവും

M.A Malayalam

Sem	Paper Code	Name of paper	CA	ESA	Total
I	ML 211	പ്രാചീന സാഹിത്യം	25	75	100
	ML 212	മദ്ധ്യകാല സാഹിത്യം	25	75	100
	ML 213	കേരള സംസ്കാരം	25	75	100
	ML 214	മലയാള വ്യാകരണം ഗവേഷണരീതിശാസ്ത്രം	25	75	100
II	ML 221	ആധുനിക സാഹിത്യം ഗദ്യം	25	75	100
	ML 222	ആധുനിക സാഹിത്യം പദ്യം	25	75	100

	ML 223	സാഹിത്യമീമാംസ-പൗരസ്ത്യം	25	75	100
	ML 224	സാഹിത്യ മീമാംസ-പാശ്ചാത്യം			
		ഗവേഷണരീതിശാസ്ത്രം	25	75	100
III	ML 231	സമകാലിക സാഹിത്യം-ഗദ്യം	25	75	100
	ML 232	വിവർത്തനം തത്ത്വവും പ്രയോഗവും	25	75	100
	ML 233	Sanskrit Paper I	25	75	100
	ML 234	മലയാള വിമർശനം	25	75	100
IV	ML 241	സമകാലിക സാഹിത്യം-പദ്യം	25	75	100
	ML 242	Sanskrit Paper II	25	75	100
	ML 243	ആധുനിക ഭാഷാശാസ്ത്രം	25	75	100
	ML 244	ഐച്ഛികം (തിരക്കഥാ പഠനം)	25	75	100
		Dessertation	25	75	100
		Comprehensive viva			100

B.A Hindi (Subject Code 125)

Sem	Course Code	Course Title
I	HN 1141 Core 1 HN 1131 (Compl I) HN 1132 (Compl II)	Hindi Prose Secretarial practice & Official correspondence in Hindi History of India Medieval and Modern Period
II	HN 1241 Core 2 HN 1231 (Compl III) HN 1232 (Compl IV)	History of Hindi Literature upto Ritikal Special Author Kabeer Das Literary Creation and Transformation
III	HN 1341 Core 3 HN 1331 (Compl V) HN 1332 (Compl VI)	History of Hindi Literature Modern Period Comparative Literature with special Reference to Hindi and Malayalam Development of Hindi as official language and Communicative Hindi
IV	HN 1441 Core 4 HN 1442 Core 5 HN 1431 (Compl VII) HN 1432 (Compl VIII)	Hindi drama & Oneact Play Premchand's fiction Women's Literature in Hindi Script Writing and Advertisement
V	HN 1541 HN 1542 HN 1543 HN 1544 HN 1545 HN 1551	Ancient Poetry Modern Poetry Hindi Fiction upto 1980 Hindi Grammar – Theory and Practice History of Hindi Language and Linguistics Translation: Theory & Practice (open course)

VI	HN 1641 HN 1642 HN 1643 HN 1644 HN 1645 HN 1661	Postmodern Hindi fiction since 1980 Literary Criticism Translation Theory & Practice Film: History and Production Dissertation (Elective) Journalism in Hindi- Journalism in Kerala
----	--	--

M.A Hindi

Sem	Paper code	Title of the paper	CA	ESA	Total
I	HL 211	Ancient Poetry Early & Riti Periods	25	75	100
	HL 212	Prose: Novel & Short story	25	75	100
	HL 213	History of Hindi literature Early & Medieval Periods	25	75	100
	HL 214	Literary criticism Indian & Western Literary Thoughts	25	75	100
II	HL 221	Medieval Poetry: Bhakthi Period	25	75	100
	HL 222	Linguistics & Hindi Language	25	75	100
	HL 223	History of Hindi literature modern Period	25	75	100
	HL 224	Functional Hindi	25	75	100
III	HL 231	Modern Poetry up to Prayogvad	25	75	100
	HL 232	Prose : Essay and other Prose forms	25	75	100
	HL 233	Special Author: Premchand	25	75	100
	HL 234	Indian Literature	25	75	100
IV	HL 241	Modern Poetry : Since Prayogvad	25	75	100
	HL 242	Drama & One act Plays	25	75	100
	HL 243	Translation and Structural grammar	25	75	100
	HL 244	Hindi Literature of South Indian writers (with special reference to Kerala)	25	75	100
	HL 245	Dissertation & Viva	80	20	

B.A Economics (Subject code 150)

Sem	Course Code	Course Title
I	EC 1141 Core I PS 1131(Compl) HY 1131.1 (Compl)	Methodology and Perspectives of Social Sciences Principles of Political Science History of Modern India (1857-1900)

II	EC 1241 Core II PS 1231(Compl) HY 1231.1 (Compl)	Methodology of Economics Introduction to Political theory History of Modern India (1901-1920)
III	EC 1321 Core EC 1341 Core III PS 1331 (Compl) HY 1331.1 (Compl)	Foundation Course II Informatics. Micro Economics II Public Administration History of Modern India (1921-47)
IV	EC 1441 Core IV EC 1442 Core V PS 1431 (Compl) HY 1431.1 (Compl)	Basic Tools for Economics I Macro Economics I International Politics History of Contemporary India (after 1948)
V	EC 1541 Core VI EC 1542 Core VII EC 1543 Core VIII EC 1544 Core IX EC 1545 Core X	Money and Modern Banking Macro Economics II Economics of Growth and Development Indian Economy Public Economics
VI	EC 1641 EC 1642 EC 1643 EC 1644 EC 1655.2 EC 1645	Kerala Economy Financial Economics Basic Tools for Economics II International Economics Industrial Economics Project/Dissertation

M.A. Economics

Sem	Paper Code	Name of paper	CA	ESA	Total
I	EC 211	Micro economics I	25	75	100
	EC 212	Economics of growth and development	25	75	100
	EC 213	Indian Economic Policy	25	75	100
	EC 214	Quantitative Methods	25	75	100
II	EC 221	Micro Economics II	25	75	100
	EC 222	Economics of Social Sector and Environment	25	75	100
	EC 223	Indian Economic Policy II (Kerala's Economy)	25	75	100
	EC 224	Research Methodology and Econometrics	25	75	100

III	EC 231	Macro Economics I	25	75	100
	EC 232	International Economics I	25	75	100
	EC 233	Public Economics	25	75	100
	EC 234	Agricultural Economics	25	75	100
IV	EC 241	Macro Economics II	25	75	100
	EC 242	International Economics II	25	75	100
	EC 243	Finance & Capital market	25	75	100
	EC 244	Industrial economics	25	75	100
		Dissertation			100
		Viva			100
Total					1800

B.A History (Subject Code 140)

Sem	Course Code	Course Title
I	HY 1141	Methodology and perspectives of social sciences
	PS 1131 compl	Principles of Political Science
	EC 1131 compl	Foundations of Economic Theory
II	HY1241	Cultural formation of the pre modern world
	PS 1231 compl	Introduction to Political Theory
	EC 1231 compl	Money and banking
III	HY 1321	Foundation course ii - informatics
	HY 1341	Evolution of the Early Indian Society and Culture
	PS 1331 comp	Public Administration
	IEC 1331 compl	Public Finance & Trade
IV	HY 1441	Public Administration
	HY 1442	Medieval India : socio-cultural processes
	PS 1431 compl	History of modern world – part 1
	EC 1431 compl	International Politics Indian Planning and Economic Development
V	HY1541	Major trends in Indian historical thoughts and writings
	HY1542	Colonialism and resistance movements in India
	HY1543	History of modern world – part 2
	HY1544	History of pre-modern Kerala
	HY1545	Making of Indian nation Mechanics of project writing Study tour An Introduction To Archeology
	HY 1551.2	Open Course

VI	HY1641 HY1642 HY1643 HY1644 HY1661 HY1645	Making of modern Kerala Major trends in Indian historical thought and writings Contemporary India Twentieth century revolutions Introduction to archaeology Project/dissertation
----	--	---

B.A Sociology (Subject code 156)

Sem	Course Code	Course Title
I	SG.1144 EC 1131 compl PS 1131 compl	Introduction to Social Sciences Formation of Economic Theory Principles of Political Science
II	SG.1244 EC 1231 compl PS 1231 compl	Understanding Indian Society Money and Banking Introduction to Political Theory
III	SG.1344 SG.1323 EC 1331 compl PS 1331 compl	Sociological Theory Informatics Public Finance and Trade Public Administration
IV	SG.1443 SG.1444 EC 1431 compl PS 1431 compl	Research Methodology Social Psychology Indian Planning and Economic Development International Politics
V	SG 1541 SG 1542 SG 1543 SG 1544 SG 1545 SG 1551.1	Research Methodology II NGO Management Sociology Of Development Modern Sociological Theories Rural Development Life Skill Education (open course)
VI	SG 1641 SG 1642 SG 1643 SG 1644 SG 1651 SG 1645	Environment and Society Social Stratification Public Health and Epidemiology Tribal Society in India Social Psychology (open/ elective) Project Dissertation

B.Sc. Psychology (Subject Code 257)

Sem	Course Code	Course Title
I	PG 1141 ZO 1131 compl ST 1131.5 compl	Foundations and methods of psychology Brain and Behaviour Statistical methods for Psychology I
II	PG 1241 ZO 1231 compl ST1231.5 compl	Psychological processes Biological basis of sensory processes Statistical methods for psychology II
III	PG 1321 PG 1341 ZO 1331 compl ST 1331.5 compl	Informatics Psychology and assessment of individual differences Physiology of motivation Statistical methods for psychology iii
IV	PG 1441 PG 1442 ZO 1431 compl ST 1431.5 compl	Social Behaviour Experimental psychology – I Physiology of emotion and cognition Statistical methods for psychology
V	PG 1541 PG 1542 PG 1543 PG 1544 PG 1545 PG1551	Social psychological processes Individual in Organisation Introduction to Maladaptive Behaviour Psychological Assessment I Experimental psychology- II Open course
VI	PG 1641 PG 1642 PG 1643 PG 1644 PG 1651 PG 1646	Psychological assessment II Human Development Organizational Behaviour Maladaptive Behaviour and Intervention Elective Course Project

B.Sc. Mathematics (Subject Code 220)

Sem	Course Code	Course Title
I	MM 1141 ST 1131 compl PY1131.1 compl	Methods of Mathematics I Descriptive Statistics and Introduction to Probability Mechanics & properties of matter
II	MM 1221 ST 1231.1 compl PY1231.1 compl	Foundations of Mathematics Random Variables and Analysis of Bivariate Data Heat and Thermodynamics

II	MM 1341 ST 1331.1 compl PY1331.1 compl	Algebra and Calculus-I Probability Distribution and Theory of Estimation Optics, magnetism & electricity
IV	MM 1441 ST 1431.1 compl ST 1432.1 compl PY1431	Algebra and Calculus-II Testing of Hypothesis and analysis of variance Statistics Practical Modern Physics & Electronics
V	MM 1541 MM 1542 MM 1543 MM 1544 MM 1545 MM 1551	Real Analysis-I Complex Analysis I Differential Equations Vector Analysis Abstract Algebra I Open Course (Business Mathematics)
VI	MM 1641 MM 1642 MM 1643 MM 1644 MM 1645 MM 1651.1 MM 1646	Real Analysis-II Linear Algebra Complex Analysis II Abstract Algebra II Computer Programming (Pract.) Elective Course (graph theory) Project

M.Sc. Mathematics

Sem	Paper Code	Name of paper	CA	ESA	Total
I	MM211	Linear Algebra	25	75	100
	MM212	Real Analysis - I	25	75	100
	MM213	Differential Equations	25	75	100
	MM214	Topology – I	25	75	100
II	MM221	Algebra	25	75	100
	MM222	Real Analysis – II	25	75	100
	MM223	Topology – II	25	75	100
	MM224	Computer Programming in C++	25	75	100
III	MM231	Complex Analysis – I	25	75	100
	MM232	Functional Analysis – I	25	75	100
	MM233	Elective (One among the following) Automata Theory, Probability , Operations Research	25	75	100

	MM234	Elective (One among the following) Geometry of numbers, Differential Geometry , Graph Theory, Approximation Theory	25	75	100
IV	MM241	Complex Analysis – II	25	75	100
	MM242	Functional Analysis – II	25	75	100
	MM243	Elective (One among the following) Mathematical Statistics , Mechanics Theory of Wavelets, Coding Theory Field Theory	25	75	100
	MM244	Elective (One among the following) Commutative Algebra , Representation Theory of Finite Groups, Category Theory, Advanced Graph Theory , (Analytic Number Theory) Dissertation/Project	25 20	75 80	100 100

B.Sc. Physics (Subject code 230)

Sem	Course Code	Course Title
I	PY1141 MM 1131.1 compl. CH 1131.1 compl.	Basic mechanics & Properties of matter Differentiation and Analytic Geometry Principles of chemistry
II	PY1221 MM 1231.1 compl. CH 1231.1 compl.	Classical Mechanics (Foundation) Integration and Vectors Principles of Chemistry
III	PY1341 MM 1331.1 compl. CH 1331. compl.	Thermodynamics & Statistical Physics Theory of Eqs., Differential Eqs., and Theory of Matrices Physical and Inorganic Chemistry I
IV	PY1441 MM 1431.1 compl. CH 1431.2 compl. PY 1442	Electrodynamics Complex Analysis, Fourier Series and Transforms Physical and Inorganic Chemistry II Practicals
	PY1541 PY1542	Methodology in Physics & Relativistic Mechanics Quantum Mechanics

V	PY1543	Electronics
	PY1544	Atomic & Molecular Physics
	PY1551	Open course- Energy Physics
VI	PY1641	Solid State Physics
	PY1642	Nuclear & Particle Physics
	PY1643	Classical & Modern Optics
	PY1644	Digital Electronics & Computer Science
	PY1661	Elective Course PY1661.3 Photonics
	PY 1645	Practicals-Optics, Electricity and Magnetism
	PY 1646 PY 1647	Practicals-Electronics & Computer science Project

M.Sc. Physics

	Paper Code	Name of paper	CA	ESA	Total
I	PH 211	Classical Mechanics	25	75	100
	PH 212	Mathematical Physics	25	75	100
II	PH 213	Basic Electronics	25	75	100
	PH 221	Modern Optics & Electromagnetic theory	25	75	100
	PH 222	Thermodynamics, Statistical Physics & Basic Quantum Mechanics	25	75	100
	PH 223	Computer Science & Numerical Techniques	25	75	100
	PH 251	General Physics Practicals	25	75	100
III	PH 252	Electronics & Computer Science Practicals	25	75	100
	PH 231	Advanced Quantum Mechanics	25	75	100
	PH 232	Advanced Spectroscopy	25	75	100
	PH 233 X	Special Paper I	25	75	100
IV	PH 241	Condensed Matter Physics	25	75	100
	PH 242	Nuclear & Particle Physics	25	75	100
	PH 243 X	Special Paper II	25	75	100
	PH 261	Advanced Physics Practicals	25	75	100
	PH 262	Advanced Electronics Practicals	25	75	100
	PH 201	Project			100
	PH 202	Viva Voce			100

B.Sc. Chemistry (Subject Code 235)

Sem	Course Code	Course Title
I	CH 1141 MM 1131.2 compl PY1131.2 compl	Inorganic Chemistry Differentiation and Matrices Rotational Dynamics & Properties of Matter
II	CH 1221 MM 1231.2 compl PY1231.2 compl	Methodology and Informatics Integration, Differential Eqs. and Analytic Geometry Thermal Physics
III	CH 1441 MM 1331.2 compl PY 1331.2 compl	Inorganic Chemistry II Theory of Eqs. and Vector Analysis Optics, Magnetism & Electricity
IV	CH 1441 MM 1431.2 compl PY 1431.2 compl	Organic Chemistry I Abstract Algebra and Linear Transformations Atomic physics, Quantum mechanics & Electronics
V	CH 1541 CH 1542 CH 1543 CH 1551.3 CH 1544 CH 1545	Physical Chemistry I Inorganic Chemistry III Physical chemistry II Open Course –Environmental Chemistry Lab II (Inorganic Volumetric Analysis) Lab III (Physical chemistry)
VI	CH 1641 CH 1642 CH 1643 CH 1644 CH 1645 CH 1661.1 CH 1646	Organic Chemistry II Organic Chemistry III Physical Chemistry III Lab IV (Organic Chemistry Expts) Lab V (Gravimetry) Supramolecular, nanoparticles and Green Chemistry (Elective) Project

M.Sc. Chemistry

Sem	Paper Code	Name of paper	CA	ESA	Total
I	CH 211	Inorganic Chemistry I	25	75	100
	CH 212	Organic Chemistry I	25	75	100
	CH 213	Physical Chemistry I	25	75	100
	CH 214	Inorganic Practicals I			
	CH 215	Organic Practicals I			
	CH 216	Physical Practicals I			

II	CH 221	Inorganic Chemistry II	25	75	100	
	CH 222	Organic Chemistry II	25	75	100	
	CH 223	Physical Chemistry II	25	75	100	
	CH 214	Inorganic Practicals I	25	75	100	
	CH 215	Organic Practicals I	25	75	100	
	CH 216	Physical Practicals I	25	75	100	
III	CH 231	Inorganic Chemistry III	25	75	100	
	CH 232	Organic Chemistry III	25	75	100	
	CH 233	Physical Chemistry III	25	75	100	
	CH 234	Inorganic Practicals II				
	CH 235	Organic Practicals II				
	CH 236	Physical Practicals II				
IV	CH 241	Chemistry of advanced materials.	25	75	100	
	CH 242(a)	Inorganic chemistry IV	25	75	100	
	CH 242 (b)	Organic Chemistry IV				
	CH 242(c)	Physical chemistry IV				
	(Students can select any one among CH 242)					
	CH 234	Inorganic Practicals II	25	75	100	
	CH 235	Organic Practicals II	25	75	100	
	CH 236	Physical practicals II	25	75	100	
	CH 243(a)	Dessertation		70	70	
	CH 243(b)	Visit to R & D centre		5	5	
Comprehensive viva-voce				25	25	

B.Sc. Botany (Subject Code 245)

Sem	Course Code	Course Title
I	BO1141 Core	Angiosperm Anatomy, Reproductive Botany and Palynology Lichenology and Plant Pathology
	CH1131.3 Comp	Theoretical Chemistry
	ZO1331 Compl	Animal Diversity I

II	BO1221 CH1231.3 Comple ZO1231 Compl	Foundation Course Methodology and Perspectives in Plant Science Inorganic and Biinorganic Chemistry Animal Diversity II
III	BO1341 Core CH1331.3 Compl ZO1331 Compl	Microbiology, Phycology, Mycology, Lichenology and Plant Pathology Physical and Inorganic Chemistry Functional Zoology
IV	BO 1441 Core CH 1431.3 Compl ZO1431 Compl	Bryology, Pteridology, Gymnosperms and Paleobotany Organic Chemistry Applied Zoology
V	BO1541 Core BO1542 Core BO1543 Core BO1544 Core BO1545 Core BO1551.3	Angiosperm Morphology, Systematic Botany, Economic Botany, Ethnobotany and Pharmacognosy Environmental Studies and Phytogeography Cell Biology, Genetics and Evolutionary Biology Core (Practical – 2) VIII (BO1341 and BO1441) Core (Practical – 2) VIII (BO1341 and BO1441) Open Course –I- Forestry
VI	BO1641 BO1642 BO1643 BO1644 BO1645 BO1651 BO1646	Plant Physiology and Biochemistry Molecular Biology, General Informatics and Bioinformatics Plant breeding, Horticulture and Research Methodology Core (Practical -3) XII (BO 1541 and BO1542) Core (Practical-4) XIII IV (BO1543, BO1641, BO1642, Open Course II- Biotechnology and Nanobiotrchnology Project, Tour Report, Viva-voce

M.Sc. Botany

Sem	Paper Code	Name of paper	CA	ESA	Total
I	BO 211	Phycology, Mycology, Plant pathology	25	75	100
	BO 212	Bryophyta, Pteridophyta, Gymnosperms,	25	75	100
	BO213	Microbiology Histology Microtechnique and histochemistry	25	25	75
	BO 214	Practical I	75	100	100
II	BO221	Taxonomy Economic botany, Ethnobotany, Evolution	25	75	100
	BO 222	Environmental Biology Phytogeography Conservation Biology	25	75	100
	BO223	Cell and Molecular Biology Genetics	25	75	100
	BO 224	Practical II	25	75	100
III	BO231	Plant breeding Horticulture Reproductive Biology	25	75	100
	BO232	Biophysics Biochemistry Plant Physiology	25	75	100
	BO233	Research Methodology Biostatistics Plant Biotechnology	25	75	100
	BO 234	Practical III	25	75	100
IV	BO241	Special Paper-I Bioinformatics	25	75	100
	BO242a	Special Paper – II – Elective	251	75	100
	BO 243	Practical IV	25	25	100
	BO 201	Dissertation			100
	BO 202	Submission	25	75	100
	BO 203	Comprehensive Viva			100

B.Sc. Zoology (Subject Code 250)

Sem	Course Code	Course Title
I	ZO 1141	Animal Diversity I
	CH 1131.3 compl	Theoretical Chemistry
	BO 1131 compl	Microbiology, Mycology, Lichenology, Bryology, Pterydology, Gymnosperm and Plant Pathology
II	ZO 1241	Animal Diversity II
	CH 1231.4 compl	Inorganic and Bio-inorganic Chemistry
	BO 1231 compl	Biophysics, Biochemistry, Plant Physiology & Environmental Biology

III	ZO 1341 CH 1331.4 compl BO 1331 compl	Methodology and Perspective of Zoology Organic and Biophysical Chemistry Microtechnique, Angiosperm Anatomy, Reproductive Botany and Biotechnology
IV	ZO 1441 CH 1431.4 compl BO 1431 compl	General Informatics and Bioinformatics Organic and Biophysical Chemistry II Practical CH 1131.3, 1231.3, 1331.4 & 1431.4 Systematic Botany, Economic Botany, Ethnobotany, Pharmacognosy and Plant Breeding Practicals BO 1331, 1231, 1331&1431
V	ZO1541 ZO1542 ZO1543 ZO 1551.2 ZO 1641	Cell Biology & Molecular Biology Genetics & Biotechnology Immunology & Microbiology Human Health & Sex Education Practical II
VI	ZO 1642 ZO 1643 ZO 1644 ZO 1645 ZO 1646 ZO 1647	Physiology and Biochemistry Developmental Biology and Experimental Embryology Ecology, Ethology, Evolution and Zoogeography Practical III Practical IV Project and Field Study

M.Sc. Zoology

Sem	Paper Code	Name of paper	CA	ESA	Total
I	ZO 211	Systematics & Evolutionary Biology	25	75	100
	ZO 212	Biochemistry	25	75	100
	ZO 213	Biophysics, Instrumentation & Computer Science	25	75	100
	ZO 214	Practical	25	75	100
II	ZO 221	Advanced Physiology & Functional Anatomy	25	75	100
	ZO 222	Genetics, Quantitative Analysis & Research methods	25	75	100
	ZO 223	Cell & Molecular Biology	25	75	100
	ZO 224	Practical	25	75	100
III	ZO 231	Microbiology and Biotechnology	25	75	100
	ZO 232	Ecology, Ethology, Biodiversity and Conservation	25	75	100

	ZO 233	Immunology & Advanced Developmental Biology	25	75	100
	ZO 234	Practical	25	75	100
IV	ZO 241	Pollution Biology & Environmental physiology	25	75	100
	ZO 242	Environmental Management	25	75	100
	ZO 243	Practical (special paper 1)	25	75	100
	ZO 244	Practical (special paper 2)	25	75	100
	ZO 201	Project	25	75	100
	ZO 202	Comprehensive viva voce		100	100
		Total			1800

B.Com (Subject Code 159)

Sem	Course Code	Course Title
I	CO1121	Environmental Studies
	CO1141	Methodology and Perspectives of Business Education
	CO1142	Functional Application of Management
	CO1131	Managerial Economics
II	CO1221	Information and Cyber Laws
	CO1241	Business Communication and Office Management
	CO1242	Financial Accounting
	CO1231	Business Regulatory Framework
II	CO1341	Entrepreneurship Development
	CO1342	Company Administration
	CO1343	Advanced Financial Accounting
	CO1331	Information Technology in Business
	CO1361	Elective – Financial Management
IV	CO1441	Capital Market
	CO1442	Banking Theory and Practice
	CO1443	Corporate Accounting
	CO1431	Business Statistics
	CO1461	Elective – Project Finance

V	CO1541 CO1542 CO1543 CO1551 CO1561	Fundamentals of Income Tax Cost Accounting Accounting for Specialized Institutions Open Course Financial Markets and Services
VI	CO1641 CO1642 CO1643 CO1651 CO1661 CO1644	Auditing Applied Costing Management Accounting Open Course/ Elective Course Income Tax Law and Accounts Project

M.Com.

Sem	Paper Code	Name of paper	CA	ESA	Total
I	CO2 11	Contemporary Management Concepts and Thoughts	25	75	100
	CO2 12	Management Information System	25	75	100
	CO2 13	Research Methodology	25	75	100
	CO2 14	Planning Development and Administration	25	75	100
	CO2 15	Advanced Corporate Accounting	25	75	100
II	CO2 21	E- Business and Cyber Laws	25	75	100
	CO2 22	Business Ethics and Corporate Governance	25	75	100
	CO2 23	Quantitative Techniques	25	75	100
	CO2 24	International Business	25	75	100
	CO2 25	Strategic Management	25	75	100
III	CO2 21	Income Tax Planning and Management	25	75	100
	CO2 22	Security Analysis and Portfolio Management	25	75	100
	CO2 23	Strategic Financial Management	25	75	100
	CO2 24	Advanced Cost and Management Accounting	25	75	100
IV	CO2 21	Indirect Tax Laws and Practices	25	75	100
	CO2 22	International Finance	25	75	100
	CO2 23	Management Optimization Techniques	25	75	100
	CO2 24	Financial Statements – Interpretation and Reporting	25	75	100
			Total		1800

FOR ALL PG STUDENTS

Break –up for each Paper

End Semester Assessment (ESA) : 75 Marks

Cumulative assessment (CA) : 25 marks

Total : 100 Marks

CA Break-up: Attendance -5 Marks, Test Paper (Best of two) -10 Marks,

Assignment -5 marks, Seminar -5 Marks. Total 25 marks

NAME OF OPEN COURSES OFFERED

Sl.No	Department	Course Code	Title of Course	Credit
1	English	EN 1551.1	Communicative Applications in English	2
2	Malayalam	ML 1551.4	ചലച്ചിത്ര പഠനം	2
3	Hindi	HN 1551	Translation	2
4	Physics	PY 1551	Energy Physics	2
5	Chemistry	CH 1551.3	Environmental Chemistry	2
6	Botany	BO 1551.3	Forestry	2
7	Zoology	ZO 1551.2	Health & Sex Education	2
8	Mathematics	MM 1551	Business Mathematics	2
9	Economics	EC 1551	Human Resource Management	2
10	Psychology	PG 1551.3	Psychological Analysis of Film and culture	2
11	Sociology	SG 1551.1	Life Skill Education	2
12	History	HY 1551.2	Introduction to Archeology	2
13	Commerce	CO 1551.1	Fundamentals of Financial Accounting	2
14	Physical Education	PE 1552	Health and Fitness Education	2
15	Russian	RU 1551.1	Basic Course in Russian	2