



SANATANA DHARMA COLLEGE

ALAPPUZHA

Affiliated to the University of Kerala
Reaccredited by NAAC with A+ grade



CRITERION: 1

Curricular Aspects

1.3.1

Cross Cutting Issues- Syllabus



**FIRST DEGREE PROGRAMMES (CBCS System) in
B.A. ENGLISH LANGUAGE AND LITERATURE**

**SEMESTERS I to VI - COURSE BREAKUP
[2020 Admission onwards]**

Sem No	Course No	Course Title	Instructional Hours	Credits
1	EN 1111.1	Language Course 1: Language Skills	5	4
1		Language Course 2: [Additional Language 1]	4	3
1	EN 1121	Foundation Course 1: Writings on Contemporary Issues	4	2
1	EN 1141	Core Course 1: Introduction to Literary Studies I	6	4
1	EN 1131	Complementary Course 1: Popular Literature and Culture	3	3
1		Complementary Course 2 [External]	3	2
2	EN 1211.1	Language Course 3: Ability Enhancement Compulsory Course- Environmental Studies and Disaster Management	5	4
2	EN 1212.1	Language Course 4: English Grammar Usage and Writing	4	3
2		Language Course 5: [Additional Language 2]	4	3
2	EN 1241	Core Course 2: Introduction to Literary Studies II	6	4
2	EN 1231	Complementary Course 3 : Art and Literary Aesthetics	3	3
2		Complementary Course 4 [External]	3	3
3	EN 1311.1	Language Course 6: English for Career	5	4
3		Language Course 7:[Additional Language 3]	5	4
3	EN 1341	Core Course 3: British Literature I	5	3
3	EN 1321	Foundation Course 2: Evolution of the English Language	4	3
3	EN 1331	Complementary Course 5: Narratives of Resistance	3	3
3		Complementary Course 6 [External]	3	3
4	EN 1411.1	Language Course 8: Readings in Literature	5	4
4		Language Course 9 [Additional Language: 4]	5	4
4	EN 1441	Core Course 4: British Literature II	5	4
4	EN 1442	Core Course 5: Literature of the 20 th Century	4	3
4	EN 1431	Complementary Course 7: Philosophy for	3	2



		Literature		
4		Complementary Course 8 [External]	3	3
5	EN 1541	Core Course 6: Literature of Late 20 th Century and 21 st Century	5	4
5	EN 1542	Core Course 7: Postcolonial Literatures	4	4
5	EN 1543	Core Course 8: 20 th Century Malayalam Literature in Translation	4	3
5	EN 1544	Core Course 9: Linguistics and Structure of the English Language	4	4
5	EN 1545	Core Course 10: Criticism and Theory	5	4
5	EN 1551.1	Open Course 1: Communicative Applications in English	3	2
5	EN 1551.2	Open Course 1: Theatre Studies	-do-	-do-
5	EN 1551.3	Open Course 1: Film Appreciation	-do-	-do-
6	EN 1641	Core Course 11: Gender Studies	5	4
6	EN 1642	Core Course 12: Indian Writing in English	5	4
6	EN 1643	Core Course 13: Film Studies	5	4
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



**Learning Outcomes Based Curriculum Framework (LOCF) for
Career Related First Degree Programme 2(a)**

BA English and Communicative English CBCSS

SEMESTERS I to VI- COURSE BREAKUP

[2022 Admission onwards]

Semester	Course Number	Course Name	Instructional Hours	Credits
I	EN 1111.3	Language Course I- Language Skills	5	4
I		Additional Language	5	3
I		Foundation Course	3	2
I	CG 1141	Core I: Introduction to Literary Studies	5	4
I	CG 1171	Vocational Course I: Soft Skills	4	3
I	CG 1131	Complementary Course I: English for Specific Purposes	3	3
II	EN 1211.3	Language Course III- English Grammar, Usage and Writing	5	3
II		Additional Language	5	3
II	CG 1241	Core II: British Literature I	5	3
II	CG 1242	Core III: Narratives of Resistance	3	3
II	CG 1271	Vocational Course II: Narratives of Social Justice and Restitution	4	3
II	CG 1231	Complementary Course II: Language for Media	3	2
III	EN 1311.3	Language Course V- English for Career	5	4
III		Foundation Course II: History of English Language	4	3
III	CG 1341	Core IV: British Literature II	5	4
III	CG 1342	Core V: Popular Literature	4	4
III	CG 1371	Vocational Course III: Translation Studies	4	3
III	CG 1331	Complementary Course III : Environmental Studies and Disaster Management	3	3
IV	EN 1411.3	Language Course VI Readings in Literature	5	4
IV	CG 1441	Core VI: 20 th Century World Literature	5	4
IV	CG 1442	Core VII: 20 th Century Malayalam Literature in Translation	4	4
IV	CG 1471	Vocational Course IV: Language Editing and Publishing	4	3



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	CG 1661.1 CG 1661.2 CG 1661.3	Industry Based Electives: Proof Reading and Copy Editing Academic Writing Professional Communication Practice	4	3
VI	CG 1643	Project	3	4
		Total Hours and Credits	150	120



SEMESTER VI

FIRST DEGREE PROGRAMME (CBCS System)

Common for

ENGLISH LANGUAGE AND LITERATURE - Core Course XIV: EN 1644
&
CAREER-RELATED FIRST DEGREE PROGRAMME (CBCS) - Group 2 (a) IN
ENGLISH & COMMUNICATIVE ENGLISH - Core Course XI - CG 1642

WOMEN'S WRITING

No. of Instructional hours : 4 per week (Total: 72 hrs) – for EN 1644
: 5 per week (Total: 90 hrs) - for CG 1642

No. of Credits : 3 [EN 1644 & CG 1642]

Aims:

1. To introduce students to the development of women's writing in various countries.
2. To familiarize them with the diverse concerns addressed by feminism.
3. To motivate them to critically analyse literary works from a feminist perspective.

Objectives: On completion of the course, the students should be able to

1. The students will have an awareness of class, race and gender as social constructs and about how they influence women's lives.
2. The students will have acquired the skill to understand feminism as a social movement and a critical tool.
3. They will be able to explore the plurality of female experiences.
4. They will be equipped with analytical, critical and creative skills to interrogate the biases in the construction of gender and patriarchal norms.

COURSE OUTLINE

Module 1: Essays

Module 2: Poetry

Module 3: Short Fiction

Module 4: Drama

COURSE MATERIAL

Module 1: Essays [Detailed study]

1. Virginia Woolf: "Shakespeare and his Sister" (Excerpt from *A Room of One's Own*)
 2. Alice Walker: "In Search of our Mothers' Gardens" (From *In Search of Our Mother's Gardens*)
 3. Jasbir Jain: Indian Feminisms: The Nature of Questioning and the Search for Space in
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Electives: Selection Options	8
Question Paper Pattern	10

Structure of Syllabus

Core Papers

Paper I – EL.511: British Literature I	15
Paper II- EL.512: British Literature II	21
Paper III – EL.513: Shakespeare Studies	27
Paper IV – EL.514: Language Studies	33
Paper V – EL.521: World Literatures I	38
Paper VI – EL.522: Literatures of India	44
Paper VII – EL.523: Gender Studies	54
Paper VIII - EL.524: Critical Studies I	64
Paper IX – EL.531: World Literatures II	73
Paper X – EL.532: Critical Studies II	80
Paper XI – EL.533: Elective 1	
Paper XII- EL.534: Elective 2	
Paper XIII- EL.535. Elective 3	
Paper XIV –EL.541: Kerala Culture and Literature	88
Paper XV – EL.542: English Language Teaching: Theory and Practice	94
Paper XVI –EL.543: Cultural Studies	100
Paper XVII - EL.544: Elective 4	

Electives

Paper XI- EL.233

1.. EL.533.1 : European Drama	107
2. EL.533.2: Canadian and Australian Literature	112
3. EL.533.3: Film Studies	117
4. EL.533.4: American Literature	122
5. EL.533.5: Women's Writing	128



Paper XII- EL.234

6. EL.534.1: European Fiction	133
7. EL.534.2: African and Caribbean Literature	138
8. EL.534.3: Fiction and Film	143
9. EL.534.4: Folklore Studies	147
10. EL.534.5: Writing Lives, Performing Gender	152

Paper XIII- EL.235

11. EL.535.1: Indian Writing in English	157
12. EL.535.2: South Asian Literature	162
13. EL.535.3: Screen Writing	167
14. EL.535.4: Environment, Ecology and Literature	171
15. EL.535.5: Travel Writing	176
16. EL.535.6: Content Writing	180

Paper XVII- EL.244

17. EL.544.1: Translation Studies	185
18. EL.544.2: Regional Literatures in English Translation	190
19. EL.544.3: Media Studies	194
20. EL.544.4: Dalit Writing	198
21. EL.544.5: Theorizing Sexualities	204
22. EL.544.6: Introducing Comics Studies	209



UNIVERSITY OF KERALA
FIRST DEGREE PROGRAMME IN MALAYALAM
 under the Choice based Credit and Semester (CBCS) System
 (2021 Admission onwards)

പ്രോഗ്രാം: മലയാളം-ഭാഷയും സംസ്കാരവും സാഹിത്യവും
Programme: Malayalam Language Culture and Literature
Course Structure for First Degree Programme in Malayalam

Sem. No.	Course No.	Course Title	International Hours	Credits	Page. No.
		സെമസ്റ്റർ ഒന്ന്			
1	EN 1111	Language Course I (English 1) :	5	4	
1	ML 1111.1	Language Course 2 : (Additional Language 1) മലയാളകവിത (കാവ്യകൗമുദി)	4	3	11
1	EN 1121	Foundation Course - 1	4	2	
1	ML 1141	Core Course 1 : നോവൽസാഹിത്യം	6	4	15
1	ML1131.1	Compl. Course 1 : കേരളപഠനം 1	3	2	19
1	ML1131.2	Compl. Course 2 : സംസ്കൃതം -1	3	2	
		ആകെ	25	17	
		സെമസ്റ്റർ രണ്ട്			
2	EN 1211	Language Course 3 (English 2) :	5	4	
2	EN 1212	Language Course 4 (English 3) :	4	3	
2	ML 1211.1	Language Course 5 : (Additional Language 2) ഗദ്യസാഹിത്യം (ഗദ്യകൗമുദി)	4	3	22
2	ML 1241	Core Course 2 : നാടകസാഹിത്യം	6	4	25
2	ML 1231.1	Compl. Course 3 : കേരളപഠനം 2	3	3	30
2	ML 1231.2	Compl. Course 4 : സംസ്കൃതം -2	3	3	
		ആകെ	25	20	
		സെമസ്റ്റർ മൂന്ന്			
3	EN 1311	Language Course 6 (English 4) :	5	4	
3	EN 1311.1	Language Course 7 : (Additional Language 3) ഭാഷാവബോധവും സർഗാത്മകതയും	5	4	33
3	ML 1321	Foundation Course - II (Informatics) വിവരസാങ്കേതികവിദ്യയും മലയാളഭാഷാ പഠനവും	4	3	36
3	ML 1341	Core Course 3 : സാഹിത്യമീമാംസ : പൗരസ്ത്യവും പാശ്ചാത്യവും	5	4	40
3	ML1331	Compl. Course 5 : പരിസ്ഥിതിപഠനം	3	3	43
3	ML1331.2	Compl. Course 6 : സംസ്കൃതം -3	3	3	
		ആകെ	25	21	



Sem. No.	Course No.	Course Title	International Hours	Credits	Page No.
		സെമസ്റ്റർ നാല്			
4	EN 1411	Language Course 8 (English 5) :	5	4	
4	ML 1411.1	Language Course 9 : (Additional Language 4) ദൃശ്യകലാസാഹിത്യം (ദൃശ്യകൗമുദി)	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 : ദളിത് സാഹിത്യം, 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, ആത്മകഥ യാത്രാസാഹിത്യം	3	3	69
5	ML 1545	Core Course 10 : മലയാളഭാഷാ സാഹിത്യചരിത്രം - 1	5	4	71
5	ML 1551	Open Course ML 1551.1 കേരളീയകലകൾ ML 1551.2 ലിംഗനീതിസാഹിത്യവും ലിനശേഷി 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 ദേശീയസൗന്ദര്യശാസ്ത്രം			111
6	ML1645	PROJECT/DISSERTATION	3	4	
		ആകെ	25	21	
		Total	150	120	



HN 1321	Foundation Course II	Soochana praudyogiki aur adhunik patrakarita	3	4
c. Complementary courses				
Course code	Course type	Course title	credit	lecture hrs/week
HN 1131	Complementary Course I (compulsory)	Samkaleen Sahityik Vimarsh	2	3
HN 1132/ SK1131.1	Complementary Course II (Optional)	Pracheen tatha Madhyakaleen Bharateeya Sanskriti	2	3
HN 1231	Complementary Course III (Compulsory)	Kathakar Premchand	3	3
HN 1232/ SK 1231.1	Complementary Course IV (optional)	Paristhithik patt aur Hindi Sahitya	3	3
HN 1331/ SK 1331.1	Complementary Course V (optional)	Tulnatmak Adhyayan	3	3
HN 1332	Complementary Course VI (Compulsory)	Rajbhasha Prabandhan	3	3
HN 1431	Complementary Course VII (Compulsory)	Bharatiya Sahitya	3	3
HN 1432/ SK 1431.1	Complementary Course VIII (optional)	Patkatha Lekhan va vigyapan	3	3
d. Core Courses				
Course code	Course type	Course title	credit	lecture hrs/week
HN 1141	Core Course I	Hindi kathethar Gadya sahitya	4	6
HN 1241	Core Course II	Hindi Sahitya ka itihās –Ritikal tak	4	6
HN 1341	Core Course III	Hindi Sahitya Ka itihās- Adhunik Kal	4	5
HN 1441	Core Course IV	Hindi Natak aur Rangmanch	4	5
HN 1442	Core Course V	Vishesh Lekhak Agney	3	4

		Gadya Sahitya		
(iv) BA/BSc (Career related) Programme				
Course Code	Course Type	Course Title	Credit	Lecture hrs/week
HN 1111.3	Common course I	Hindi Gadya Sahitya	4	5
HN 1211.3	Common Course II	Hindi Padya Sahitya	4	5
Outline of FDP in Hindi language and literature (Foundation course, Complementary Courses , Core Courses, Open Course, Elective Course& Dissertation)				
b. Foundation course				
Course code	Course type	Course title	credit	lecture hrs/week
HN 1321	Foundation Course II	Soochana Praudyogiki aur Adhunik Patrakarita	3	4
c. Complementary courses				
Course code	Course type	Course title	credit	lecture hrs/week
HN 1131	Complementary Course I (compulsory)	Sankaleen Sahityik Vimarsh	2	3
HN 1132/ SK1131.1	Complementary Course II (Optional)	Pracheen Tatha Madhyakaleen Bharateeya Sanskriti	2	3
HN 1231	Complementary Course III (Compulsory)	Kathakar Premchand	3	3
HN 1232/ SK 1231.1	Complementary Course IV (optional)	Paristhithik path aur Hindi Sahitya	3	3
HN 1331/ SK 1331.1	Complementary Course V	Tulnatmak Adhyayan	3	3



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
CO 221	Paper 1	E-Business and Cyber Laws	25	75	100
CO 222	Paper 2	Strategic Management	25	75	100
CO 223	Paper 3	Quantitative Techniques and Financial Econometrics	25	75	100
CO 224	Paper 4	International Business	25	75	100
CO 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



Course I		I					
Language Course II	1111	Addi- onal Languag e I	4	-	3	-	4
Foundatio n Course I	CO 1121	Method ology and Perspect ives of Business Educatio n	4	-	3	-	2
Core Course I	CO 1141	Environ mental studies Manage ment	4	-	3	-	3
Core Course II	CO 1142	Concept s and Thought s	4	-	3	-	3
Complem entary Course I	CO 1131	Manager ial Econom ics	4	-	3	-	3
Total	25					19	

Courses	Course Code	Course Title	SEMESTER II				Credit
			Instructi onal Hours Per Week		End Semeste r Exam Hours		
			Theory	Practical	Theory	Practical	
Language Course III	EN 1211	English II	5	-	3	-	4
Language Course IV	1211	Addi- onal Languag e II	4	-	3	-	4
Foundatio n Course II	CO 1221	Informat ics and Cyber Laws	4	-	3	-	3
Core Course III	CO 1241	Financia l Account	4	-	3	-	3



Syllabus for M.A. Economics Programme (Semester System) Offered in Affiliated Colleges.
(with effect from 2018 Admission Onwards)
Course Structure and Distribution of Marks

Semester	Paper Code	Title of the paper	Distribution of Instructional hours (Lecture) per semester	Instructional hours (Lecture) per week	Duration of ESA (Hrs.)	Maximum Marks		
						CA	ESA	Total
I	EC 211	Micro Economics I	120	7	3	25	75	100
	EC 212	Economics of Growth and Development	110	6	3	25	75	100
	EC 213	Indian Economic Policy I	110	6	3	25	75	100
	EC 214	Quantitative Methods for Economics	110	6	3	25	75	100
II	EC 221	Micro Economics II	120	7	3	25	75	100
	EC 222	Economics of Social Sector and Environment	110	6	3	25	75	100
	EC 223	Indian Economic Policy II	110	6	3	25	75	100
	EC 224	Econometrics and Research Methodology	110	6	3	25	75	100
III	EC 231	Macro Economics -I	120	7	3	25	75	100
	EC 232	International Economics I	110	6	3	25	75	100
	EC 233	Public Economics	110	6	3	25	75	100
		Optional I	110	6	3	25	75	100
IV	EC 241	Macro Economics -II	120	7	3	25	75	100
	EC 242	International Economics II	110	6	3	25	75	100
	EC 243	Financial Securities Market Analysis	110 [#]	6	3	25	75	100
		Optional II	110	6	3	25	100	100
	EC 244	Dissertation	-	-	-	-	-	100
	Viva-Voce	-	-	-	-	-	100	
	Total		1800					1800

Out of 110 hours, 5 hours for practical session.

CA : Continuous Assessment.

ESA : End Semester Assessment



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



:Open Courses Offered

.A college can select one from the three courses given

Introductory Economics EC 1551.1

Human Resource Management EC1551.2

Indian Economy Since Liberalisation EC1551.3

:Elective courses offered

.A college can select one from the four courses given

Kerala Economy EC1661.1

Mathematical Economics EC1661.2

Econometrics EC1661.3

History of Economic Thought EC1661.4

Semester I

Core Course I

EC 1141 Introductory Microeconomics

Instructional Hours 6

Credits 4

Course objective: To develop a conceptual foundation and analytical methods used in Microeconomics

(Module I: Scarcity, Work and choice (15 Hrs

Labour and production – Preferences opportunity costs – The feasible set – Decision making and scarcity – Hours of work and economic growth – Income and substitution effects on hour of work and free time – Explaining our working hours: Changes overtime, Differences between .countries

(Module II: Consumer and Producer Theory (25 Hrs

Demand and Supply – Market Mechanism- Elasticities of Demand and Supply - Consumer behaviour: Consumer Preferences – Budget Constraints – Consumer choice – Revealed Preferences, Marginal Utility and Consumer Choice – Individual and Market Demand: Individual Demand - Income and Substitution Effect – Market Demand – Consumer Surplus - Production: Technology of Production – Production with one variable input – Production with Two Variable Inputs – Returns to Scale – The cost of production: Measuring Cost – Cost in the



V	HY1541	Core VI-Major trends in Historical thoughts and writings	4	4
	HY1542	Core VII-Colonialism and Resistance movements in India	4	4
	HY1543	CoreVIII-History of Modern World – Part II	3	2
	HY1544	Core IX-History of Pre- Modern Kerala	4	4
	HY1545	Core X-Making of Indian Nation	3	2
		Open Courses-		
	HY 1551.1	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
VI	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
		Electives		
	HY1651.1	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



UNIVERSITY OF KERALA
MSc Degree in Botany (Semester System)
Revised Course structure

semest er	Paper Code	Title of the paper	Hours/ semester	Hours / week		ESA hours	Maximum Marks			
				L	P		CA	ESA	Total	
I	BO 211	Phycology, Mycology & Plant Pathology	108	6	2	3	25	75	100	
	BO212	Bryophyta, Pteridophyta & Gymnosperms	108	6	2	3	25	75	100	
	BO213	Microbiology, histology, Microtechnique & histochemistry	108	6	3	3	25	75	100	
	BO214	Practical I	126		7	4	25	75	100	
	Total for Semester I			450	18	7	13	100	300	400
	II	BO 221	Taxonomy, Economic Botany & Ethnobotany	108	6	2	3	25	75	100
BO 222		Environmental Biology, Phytogeography, Conservation Biology & Evolution	108	6	2	3	25	75	100	
BO 223		Cell and Molecular Biology & Genetics	108	6	3	3	25	75	100	
BO224		Practical II	126		7	4	25	75	100	
Total for Semester II			450	18	7	13	100	300	400	
III	BO 231	Plant Breeding, Horticulture & Reproductive Biology	108	6	1.5	3	25	75	100	
	BO232	Biophysics , biochemistry & Plant physiology	108	6	3	3	25	75	100	
	BO233	Research Methodology, Biostatistics Plant Biotechnology	108	6	2.5	3	25	75	100	
	BO234	Practical III	126		7	4	25	75	100	
	Total for Semester III			450	18	7	13	100	300	400
IV	BO241	Special Paper –I Bioinformatics	144	8	2	3	25	75	100	
	BO242	special Paper –II Elective	144	8	5	3	25	75	100	
	BO243	Practical IV	126		7	4	25	75	100	
	BO201	Dissertation	36	2				100	100	
	BO202	Submissions					25	75	100	
	BO203	Comprehensive Viva Voce						100	100	
	Total for Semester IV			450	18	7	10	100	500	600
Grand Total							400	1400	1800	
L-Lecture, P-practical, ESA-End Semester Assessment, CA-Continuous Assessment(internal)										



Table 6. SEMESTER - V

Sem No.	Course Code	Course Title	Instructional hours/week		Credits	Uty Exam Duration	Evaluation		Total credits
			T	P			Internal	University exam	
V	BO1541	Core Course IV - Angiosperm Morphology, Systematic botany, Economic botany, Ethno botany & Pharmacognosy	4	3	4	"	25%	75%	20
	BO1542	Core Course V- Environmental Studies & Phytogeography	5	2	4				
	BO1543	Core Course VI- Cell Biology, Genetics & Evolutionary Biology	4	2	3				
	BO1544	Core (Practical-1) VII (BO1141, BO1221)	-	-	3				
	BO1545	Core (Practical-2)VIII (BO1341 & BO1441)	-	(4)*	4				
	BO1551.1	Open Course I Horticulture	-	(4)*	-				
	BO1551.2	Mushroom cultivation & Marketing	3	-	2				
	BO1551.3	Forestry Project	-	2	-				



C.C.- Core Course, F.C.-Foundation Course, O.P.-Open Course, E.C- Elective Course T-Theory, P-Practical.
Since the other requirements as the components of continuous evaluation are satisfied, for each of the practical courses in semester V is given a credit of 2 even though the examinations are on semester 6.

B.Sc. Degree Programme in Chemistry

Table III. Distribution of Open Course offered to students of other disciplines Semester V

Semester	No. of Hours / Week		Credits	Course Code	Title of the Course	Instructional Hours
	Lectures	Practicals				
5	3	-	2	CH1551.1	Essentials of Chemistry	54
				CH 1551.2	Fundamentals of Chemistry & Its Application to Everyday Life	
				CH 1551.3	Environmental Chemistry	

B.Sc. Degree Programme in Chemistry

Table IV. Distribution of Elective Course offered in Semester VI

Semester	No. of Hours / Week		Credits	Course Code	Title of the Course	Instructional Hours
	Lectures	Practicals				
6	3	-	2	CH1661.1	Supramolecular, Nano Particles and Green Chemistry	54
				CH 1661.2	Computational, Combinatorial and Physical Organic Chemistry	
				CH 1661.3	Polymer chemistry	
				CH 1661.4	Biochemistry	



	& Thermo dynamic s				
3	PY1341 - Electrod ynamics	3	3	54	3
4	PY1441 - Classica l & Relativi stic Mechani cs	3	3	54	3
	PY1541- Quantum Mechanic s	4	4	72	3
	PY1542 - Statistic al Mechani cs Researc h Method ology and Disaster Manage	4	4	72	3



Table 6. Semester V

Course Code	Course Title	Instructional hours/week		Credits	Univ. Exam Duration	Evaluation		Total Credits
		L	P			Internal	Univ. Exam	
MB 1541	Core Course IV Instrumentation in Microbiology	4	3	4	3 Hrs	25%	75%	20
MB 1542	Core Course V Environmental Microbiology	4	2	3				
MB 1543	Core Course VI Medical Microbiology & Molecular Biology	5	2	4				
MB 1544	Core Course VII Practical (Instrumentation in Microbiology & Environmental Microbiology)	(5)*		3				
MB 1545	Core Course VIII Practical (Medical Microbiology & Molecular Biology)	(5)*		4				
MB 1551.1	Open Course – I Mushroom Culture							
MB 1551.2	Microbial Waste Management	3		2				
MB 1551.3	Bio-fertilizer Technology							
	Project	2						



Table 6. Semester V

Course Code	Course Title	Instructional hours/week		Credits	Univ. Exam Duration	Evaluation		Total Credits
		L	P			Internal	Univ. Exam	
MB 1541	Core Course V Microbial Physiology and Genetics	4	3	4	3 Hrs	20%	80%	20
MB 1542	Core Course VI Medical microbiology	4	2	3				
MB 1543	Core Course VII Environmental Microbiology	5	2	4				
MB 1544	Core Course VIII Practical(Microbial Physiology and Genetics & Environmental Microbiology)	(5) *		3				
MB 1545	Core Course IX Practical (Medical Microbiology)	(5) *		4				
MB 1551.1	Open Course – I Mushroom Culture							
MB 1551.2	Microbial Waste Management	3		2				
MB 1551.3	Bio-fertilizer Technology							
	Project		2					



**M.Sc. Zoology - Semester System
Revised Syllabus, Course Structure & Mark Distribution**

Semester	Paper Code	Title	Distribution of hours / semester	Instructional hours/week			Duration of ESA			Maximum Marks		
				L	T	P (Hrs)	CA	ESA	Total			
1	ZO 211	Systematics & Evolutionary Biology	100	5	-	3	25	75	100			
	ZO 212	Biochemistry	100	5	-	3	25	75	100			
	ZO 213	Biophysics, Instrumentation & Computer Science	100	5	-	3	25	75	100			
	ZO 214	Practical	120	-	10	4	25	75	100			
	Total for S 1			450*	15	10	-	100	300	400		
2	ZO 221	Advanced Physiology & Functional Anatomy	100	5	-	3	25	75	100			
	ZO 222	Genetics, Quantitative Analysis & Research Methodology	100	5	-	3	25	75	100			
	ZO 223	Cell Biology, Molecular Biology & Bioinformatics	100	5	-	3	25	75	100			
	ZO 224	Practical	120	-	10	4	25	75	100			
	Total for S 2			450*	15	10	-	100	300	400		
3	ZO 231	Microbiology & Biotechnology	100	5	-	3	25	75	100			
	ZO 232	Ecology, Ethology & Biodiversity Conservation	100	5	-	3	25	75	100			
	ZO 233	Immunology & Developmental Biology	100	5	-	3	25	75	100			
	ZO 234	Practical	120	-	10	4	25	75	100			
	Total for S 3			450*	15	10	-	100	300	400		
4	ZO 241	Special Paper 1	100	8	-	3	25	75	100			
	ZO 242	Special Paper 2	100	7	-	3	25	75	100			
	ZO 243	Special Paper Practical 1	100	-	5	3	25	75	100			
	ZO 244	Special Paper Practical 2	120	-	5	4	25	75	100			
	Total for S 4			450*	15	10	-	100	300	400		
	ZO 201	Project	-	-	-	-	25 marks	75 marks	100			
	ZO 202	Comprehensive Viva Voce	-	-	-	-	-	100	100			
Grand Total			-	-	-	-	400	1400	1800			

**L - Lecture, P - Practical; T - Tutorial; CA Continuous Assessment; ESA - End Semester Assessment;
* Tutorial 30 hours per week**



Zoology Open Course II
Human Health and Sex Education
Course Code - Z01551.2

No. of credits - 2

Total hours 54

Aim of the course

To redress problem associated with health and sex thereby promoting fitness and well being.

Objectives of the course

- To make the student understand the importance of good health.
- To educate the student on clean sexual habits thereby warding off sexually transmitted diseases.

Module 1

14hrs

Introduction to health, health as a state of wellbeing, health awareness, Immunity, immunization and vaccination, factors affecting health- food, balanced diet, food supplements, pathogens, pollution. sleep. exercise and stress. Physical health, reproductive health, adolescence, senescence. Mental health- mental illness and disabilities, symptoms and prevention of mental illness. Alcoholism. tobacco addiction, de-addiction and lifestyle diseases. Community health- health centres, role of health centres. Spiritual health. yoga and meditation.

Module II

8hrs

Human reproductive system: Male reproductive system- structural details of testis and accessory structures, functions of testis, semen, hormonal control. Female reproductive system- :structure of ovary, accessory structures. puberty, reproductive cycles and hormonal control, menstrual cycle. gestation- period, hysterectomy and menopause.

Module III

7hrs



Semester IV

Zoology Core course III

ECOLOGY, HABITAT DESTRUCTION & DISASTER MANAGEMENT

Course code – ZO 1441

No. of credits - 3

Total hours 54

Course Outcomes

- Students get basic knowledge on ecosystem, food chain, food web and energy flow.
- Students acquire general awareness on pollution and their impacts.
- Imparts basic knowledge on ecosystems and their functioning.
- Students learn about various types of anthropogenic pressures on ecosystem, related degradation and management measures.
- Students get awareness of toxicants, their impacts on human health and environment and remedial measures.
- Create awareness about disasters, prevention and mitigation measures.

ECOLOGY

4 hrs

Module I

Components of ecosystem: Environmental factors - abiotic factors, light, temperature, soil, air; biotic factors- autotrophs, phagotrophs and saprotrophs; ecosystem interaction and relationship between biotic and abiotic factors, the cybernetic nature and the stability of the system. Pond as an ecosystem (self study)

Module II

5 hrs

Biogeochemical cycles: Basic types of biogeochemical cycles - gaseous cycle-carbon and nitrogen cycles, mention sedimentary cycles (P and S), recycling pathways and recycle index.

Limiting Factors- basic concepts- Leibig's law of minimum, Shelford's law of tolerance, combined concept of limiting factors, Light and temperature as limiting factors.



PHYSICAL EDUCATION

OPEN COURSE TITLE & CODE : HEALTH AND FITNESS EDUCATION (PE 1551)

Syllabus

Module: 1. Introduction to Physical Education and Health

- ❖ Meaning, Definition, Objectives and Importance of Physical Education.
- ❖ Concepts of Health & Physical Education
- ❖ Meaning, Definition and Dimensions of Health (Physical, Mental, Social, Spiritual and Emotional)
- ❖ Factors Affecting Health (Biological, Personal, Environmental & Socio-cultural factors)

Module: 2. Scientific Basis of Physical Activity

- ❖ Benefits of Exercises
- ❖ Effects of Exercises on Circulatory and Respiratory System.
- ❖ Heart Rate, Blood Pressure & Body Mass Index
- ❖ Types of Exercises (Aerobic & Anaerobic Exercises)
- ❖ Body Types (Endo morph, mesomorph, ectomorph)

Module: 3. Exercise and Fitness Training

- ❖ Physical Fitness- Health Related physical Fitness and Performance Related Physical Fitness
 - ❖ FITT Principles (Frequency, Intensity, Time and Type of Exercise)
 - ❖ Exercises for improving Speed, Strength, Endurance, Flexibility and Co-coordinative abilities)
 - ❖ Hypo-Kinetic diseases, causes and their management (Diabetes Mellitus, Obesity, Hypertension, and Coronary Heart Diseases (CHD).
 - ❖ Exercise Prescription
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