



ESTD 1964

BASELIUS COLLEGE

K. K. Road, Kottayam, Kerala

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www.baselius.ac.in

NAAC 4th CYCLE



1.1.1 Effective Curriculum Delivery through a well-planned and documented process

**SAMPLE SUPPORTING
DOCUMENTS**

- 1. Scheme of work and Curriculum Plan**
- 2. Teachers Individual Monthly Plan**
- 3. Teachers Daily Diary**
- 4. Teaching Plan**
- 5. College Academic Calendar**
- 6. Remedial Classes**

Sample Supporting Documents

Scheme of Work and Curriculum Plan

DEPARTMENT OF BOTANY, BASELIUS COLLEGE, KOTTAYAM

TEACHING PLAN FOR THE YEAR 2015-16 (ODD SEMESTER)

GGN

Class	Topic	Theory
D3 Core	Molecular Biology, Cell Biology(Unit -1 only)	18 Hrs
D3 Open	Horticulture (Module 1&3)	20
D2 Core	Phycology (module 1,3,4,Xanthophyceae & Bacillariophy.)	18
D2 Comple	Unit 3,4 &5(Annonaceae, Rutaceae, Apiaceae, Rubiaceae, Asteraceae, Apocynaceae,& Lamiaceae)	18
	Economic Botany	18
D1 Core	Methodology and Perspectives of Science	18
	Total Hours	110 Hrs

ARP

Class	Topic	Theory
D3 Core	Genetics	25 Hrs
	Ecotourism	6
	Environmental Sci. (Module 1,2,3,5&7)	23
D3 Open	Horticulture (Module 5,6,7 and Training- 6hrs)	18
D2 Comple	Taxonomy unit 1,2,5(Malvaceae, Leguminosae, Euphorbiaceae, Araceae, Poaceae)	18
D1 Comple	Viruses, Bacteria, Lichens, Pterido,Gymno &P. Pathology	18
	Total Hours	108 Hrs

GL

Class	Topic	Theory
D3 Core	Mycology, Lichenology and Plant Pathology	36 Hrs
	Plant Breeding, Environmental Sci. (Module 8&10)	18
D3 Open	Module 4, Nursery Management & Training -6hrs	18
D2 Core	Phycology (Module- 2)	18
D1 Comple	Algae, Fungi & Bryophytes	18
	Total Hours	108 hrs

KMV

Class	Topic	Theory
D3 Core	Environmental Sci. (Module 4,6& 9)	22 Hrs
	Horticulture	14
	Cell Biology(Unit -2,3,4&5)	18
D3 Open	Horticulture(Module 2 & Training -6hrs)	16
D2 Core	Microbiology	18
D1 Core	An Introduction to World of Plant Diversity	18
	Total Hours	124 Hrs

DEPT. OF BOTANY
BASELIUS COLLEGE
KOTTAYAM

SCHEME OF WORK (2016-2017)-ODD SEMESTERS

Name of the class: D1 Commerce – Semester 1

Subjects	Description of the Module/activity	Nature of work Lect/ Sem/Assign/Group/Quiz etc	Teacher in charge	Hours required excl examination	Remarks
Business Statistics CM01 BAA 01					
Module 1	Introduction to business Statistics	Lecture	Sheeba Joseph	5	
Module 2	Measures of Central Tendency	Lecture, Assignment		10	
Module 3	Index Numbers			20	
Module 4	Correlation and Regression			20	
Module 5	Time Series Analysis			20	
Other activities	Revision				
Modern Banking CM01BAA 02					
Module 1	Introduction	Lecture, Assignment	Visakh Chandran	10	
Module 2	Retail banking			20	
Module 3	Innovations and reform in Banking			20	
Module 4	Banker and Customer		Chikkumol O A	10	
Module 5	Rural Banking			6	
Other activities	Revision				
Business Regulatory Framework CM01BAA 03					
Module 1	Law of Contracts	Lecture & Assignment	Dr J Nalini	24	
Module 2	Special Contracts			12	
Module 3	Law of Agency			12	
Module 4	Sale of Goods Act,1930			6	
Other activities	Question Paper Discussion				
Perspectives and Methodology of Business Studies CM01BA901					
Module 1	Role of Business in Economic Development	Lecture	Resmi Annie Thomas	12	
Module 2	Establishing Business	Lecture, Discussion		15	
Module 3	Role of trained manpower	Lecture, Seminar		10	
Module 4	Consumer Protection Act 1986	Lecture, Discussion, Seminar		8	

Module 5	Right to Information Act	Lecture, Assignment, Examples		10	
Other activities	Book reading(Vision 2020)				

Name of the class: D2 Commerce – Semester III

Subjects	Description of the Module/activity	Nature of work Lect/ Sem/Assign/Group/Quiz etc	Teacher in charge	Hours required excl examination	Remarks
Marketing Management CM03BAA01					
Module 1	Introduction to Marketing Management	Lecture, Assignment	Sheeba Joseph	10	
Module 2	Market Segmentation	Lecture, Assignment		20	
Module 3	Marketing of Products			20	
Module 4	Logistics and Supply Chain Management	Lecture, Assignment	Sheeba Joseph	20	
Module 5	Emerging trends in Marketing	Lecture, Assignment		20	
Other activities	Preparation of pamphlets for advertisement				
Financial Accounting CM03BAA02					
Module 1	Final accounts of sole traders	Lecture, Assignment	Sheeba Joseph	10	
Module 2	Accounts of incomplete records	Lecture, Assignment		5	
Module 3	Royalty Accounts			15	
Module 4	Branch Accounts			20	
Module 5	Accounting for Consignment			15	
Other activities	Revision			2	
E-Commerce and General Informatics CM03BAA03					
Module 1	Overview of Electronic Commerce	Lecture, Discussion	Resmi Annie Thomas	12	
Module 2	E commerce Models	Lecture, Seminar, Assignment		10	
Module 3	Electronic Payment Systems	Lecture, Discussion	Resmi Annie Thomas	10	
Module 4	E-Commerce Security	Lecture, Discussion		10	
Module 5	E-Commerce Business	Lecture, Discussion		10	
Other activities	Question paper discussion		Resmi Annie Thomas	3	

Business Management CM03BAA04				
Module 1	Management Introduction	Lecture, Seminar, Assignment, Discussion	Tissy Eruthickal	5
Module 2	Planning			15
Module 3	Organizing and Staffing			12
Module 4	Directing			20
Module 5	Controlling			15
Other activities	Objective type questions			
Financial Management CM03BBA01				
Module 1	Introduction	Lecture, Seminar, Assignment, Discussion	Parvathy Mohan	12
Module 2	Financing Decisions			12
Module 3	Capital Structure			12
Module 4	Working Capital	Lecture, Seminar, Assignment, Discussion	Manoj Narayanan K S	10
Module 5	Dividend Decisions			20
Other activities				

Name of the class: D3 Commerce – Semester V

Subjects	Description of the Module/activity	Nature of work Lect/ Sem/Assign/Group/Quiz etc	Teacher in charge	Hours required excl examination	Remarks
Cost Accounting CM05BAA01					
Module 1	Introduction to Cost Accounting	Lecture, Seminar, Assignment, Discussion	Dr Nalini J	32	
Module 2	Accounting and Control of Material Cost			23	
Module 3	Accounting and Control of Labour Cost			15	
Module 4	Accounting for Overhead		Manoj Narayanan KS	10	
Module 5	Preparation of Cost Sheet		20		
Other activities	Revision				
Advertising and Sales Promotion CM05CAA01					
Module 1	Advertising introduction	Lecture, Seminar, Discussion		8	
Module 2	Advertising Appeal, Research,	Lecture, Seminar,		15	

Module 3	Campaign Social, Economic and Legal Aspects of Advertising	Discussion Lecture, Seminar, Discussion	Resmi Annie Thomas	8	
Module 4	Sales Promotion	Lecture, Seminar, Discussion		12	
Module 5	Personal Selling	Lecture, Seminar, Discussion		10	
Other activities	Recent topics	Quiz on Advertising Discussion on new advertising agencies, best advertisements, worse advertisements and body of advertising.		15	
Special Accounting CM05BAA02					
Module 1	Accounts of Banking Companies	Lecture, Seminar, Assignment, Discussion	Parvathy Mohan	12	
Module 2	Accounts of Insurance Companies			20	
Module 3	Investment Account			10	
Module 4	Insurance claims			8	
Module 5	Dissolution of Partnership			15	
Other activities	Revision and Seminars				
Income tax Law and Practice CM05BBA01					
Module 1	Introduction	Lecture & Assignment	Tissy Eruthickal	5	
Module 2	Residential Status			20	
Module 3	Income from Salary			22	
Module 4	Income from House Property			20	
Module 5	Profits and Gains of Business or Profession			10	
Other activities	Seminar & Revision				

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Name of the class: M1 Commerce – Semester I

Subjects	Description of the Module/activity	Nature of work Lect/ Sem/Assign/Group/Quiz etc	Teacher in charge	Hours required excl examination	Remarks
Advanced Financial Accounting-I AF01C01					
Module 1	Valuation of Goodwill and Shares	Lecture & Assignment	Devika R	10	
Module 2	Amalgamation, Absorption and External reconstruction			10	
Module 3	Internal reconstruction			25	
Module 4	Insolvency Accounts			8	
Module 5	Human Resource Accounting, IFRS			Lecture	12
Other activities	Seminar				
Principles of Management and Organisational Behaviour PM01C02					
Module 1	Introduction	Lecture & Assignment, Seminar		15	
Module 2	Planning and Organizing			10	
Module 3	Organisational Behaviour			20	
Module 4	Groups in Discussion			20	
Module 5	Modern Techniques in Management			10	
Other activities	Seminar				
Financial Management Principles FM01C03					
Module 1	Financial Management	Lecture & Seminar	Sheeba Joseph	15	
Module 2	Cost of Capital			15	
Module 3	Financing Decisions and Capital Structure			20	
Module 4	Long term Investment Decisions			25	
Module 5	Leverage Analysis			15	
Other activities	Seminar				
Research Methodology RM01C04					
Module 1	Research	Lecture & Seminar	Chikkumol O A	15	
Module 2	Research Problem			20	
Module 3	Sampling Design			10	

Module 4	Collection and Analysis of Data			20	
Module 5	Research Reporting			10	
Other activities	Seminar				
Quantitative Techniques QT01C05					
Module 1	Meaning	Lecture & Assignment	Manoj Narayanan K S	5	
Module 2	Continuous Probability Distribution			20	
Module 3	Sampling Theory				
Module 4	ANOVA, F test, Chi-Square			30	
Module 5	Statistical Quality Control			20	
Other activities	Seminar				

Name of the class: M2 Commerce – Semester III

Subjects	Description of the Module/activity	Nature of work Lect/ Sem/Assign/Group/Quiz etc	Teacher in charge	Hours required excl examination	Remarks
Management Accounting MA03C11					
Module 1	Introduction to management accounting	Lecture, Seminar, Assignment and Discussion	Resmi Annie Thomas	3	
Module 2	Financial Statement Analysis			7	
Module 3	Ratio Analysis			15	
Module 4	Fund Flow & Cash Flow Statement			25	
Module 5	Inflation Accounting			5	
Other activities	Seminar, Question paper Discussion			10	
Direct Taxes Law and Practice DT03C12					
Module 1	Objectives of taxation	Lecture, Seminar, Assignment and Discussion	Tissy Eruthickal	10	
Module 2	Heads of Income			42	
Module 3	Clubbing of Income			10	
Module 4	Deduction from GTI			10	
Module 5	Assessment of Individuals			10	
Other activities	Seminar				

International Business IB03C13				
Module 1	Introduction to International Business	Lecture, Seminar, Assignment and Discussion	Devika R	21
Module 2	Globalization and International Business			
Module 3	International Economic Institutions			15
Module 4	International Investment			10
Module 5	Global regulatory Environment			05
Other activities	Seminar			
Corporate Governance CG03C14				
Module 1	Corporate Governance	Lecture, Seminar, Assignment and Discussion	Parvathy Mohan	10
Module 2	CG mandatory and non mandatory requirements			10
Module 3	Corporate Excellence			10
Module 4	Business Ethics			15
Module 5	Building Corporate Image			15
Other activities	Seminar			
Business Environment BE03C15				
Module 1	Nature and Scope of Business Environment	Lecture & Seminar	Dr J Nalini	10
Module 2	Economic Environment			10
Module 3	Political and legal Environment			15
Module 4	Social and Cultural Environment			15
Module 5	Environmental Management			30
Other activities	Seminar			

J. Nalini



BASELIUS COLLEGE, KOTTAYAM
POST GRADUATE DEPARTMENT OF CHEMISTRY
AND CENTRE FOR RESEARCH

SCHEME OF WORK 2019-20

1. B.Sc CORE CHEMISTRY

Semester I: CH1CRTO1 – General and Analytical Chemistry

Credits-2

36 Hours

Chapters/Topic	Name of teacher	No. of hrs
1.Methodology of Chemistry	Anju Linda Varghese	7
2.Periodic Table and Periodic Properties	Anju Linda Varghese	5
3.Analytical Methods in Chemistry	Dr.Jintha Thomas	12
4.Chromatographic Methods	Anju Linda Varghese	7
5. Evaluation of Analytical Data	Dr.Jintha Thomas	5

Semester II CH2CRTO2- Theoretical and Inorganic Chemistry

Credits-2

36 Hours

Chapter/Topic	Name of teacher	No. of hrs
1.Atomic Structure	Anju Linda Varghese	6
2. Chemical bonding I	Dr.Jintha Thomas	9
3.Chemical bonding II	Dr.Jintha Thomas	9
4.Chemistry of s and p Block Elements	Anju Linda Varghese	3
5. Chemistry of d and f Block Elements	Anju Linda Varghese	9

Semester III CH3CRTO3- Organic Chemistry-I

Credits - 3

54 hours

Chapter/Topic	Name of teacher	No. of hrs
1. Fundamentals of Organic Chemistry	Dr.Priya Thambi T	3
	Dr. Jintha Thomas	3
	Dr. Archana S Nair	2
2. Stereochemistry	Dr. PriyaThambi.T	15
3. Aliphatic Hydrocarbons and Alkyl Halides	Dr. Archana S Nair	12
4. Aromatic Hydrocarbons and Aryl Halides	Dr. Jintha Thomas	15
5. Pericyclic reactions	Dr. Archana S Nair	4

Semester IV CH4CRTO4- Organic Chemistry- II

Credits - 3

54 hours

Chapter/Topic	Name of teacher	No. of hrs
1.Alcohols,Phenols and Ethers	Dr. Archana S Nair	16
2. Aldehydes and ketones	Dr. Jintha Thomas	18
	Dr. Archana S Nair	2
3.Carboxylic acid, sulphonic acids and their Derivatives	Dr. PriyaThambi.T	18

Semester V CH5CRT05 - Environment, Ecology and Human Rights
Credits - 4

Chapter/Topic	Name of teacher	72 hours
		No.ofhrs
1.Introduction to environmental studies: Natural resources	Dr. Eapen Thomas	10
2.Environment: Pollution and Social Issues	Anju Linda Varghese	18
3.Population and Environmental issues	Dr. Eapen Thomas	8
4.Ecological Chemistry	Dr. Priya Thambi. T	18
5.Human Rights		18

Semester V CH5CRT06 - ORGANIC CHEMISTRY - III
Credits - 3

Chapter/Topic	Name of teacher	54 hours
		No. of hrs
1.Nitrogen Containing Compounds	Jinu Mathew	15
2.Heterocyclic Compounds	Shetal Elizabeth Thomas	8
3.Active Methylene Compounds	Jinu Mathew	3
	Anju Linda Varghese	2
4. Carbohydrates	Anju Linda Varghese	11
5. Drugs	Anju Linda Varghese	5
5.Dyes	Shetal Elizabeth Thomas	4
6. Polymers	Shetal Elizabeth Thomas	6

Semester V CH5CRT07 – PHYSICAL CHEMISTRY - I
Credits-2

Chapter/Topic	Name of teacher	36 Hours
		No. of hrs
1.Gaseous State	Dr. Suma Bino Thomas	12
2.Liquid State	Dr. Suma Bino Thomas	3
3.Solid state	Dr. Jalaja J Malayan	12
4. Surface Chemistry and Colloidal State	Dr. Jalaja J Malayan& Dr. Suma Bino Thomas	6 3

Semester V CH5CRT08 – PHYSICAL CHEMISTRY – II
Credits - 3

Chapter/Topic	Name of teacher	36 hours
		No. of hrs
1. Quantum Mechanics	Dr. Suma Bino Thomas	14
2. Molecular Spectroscopy I	Christina Mariam Mathew	8
	Dr. Suma Bino Thomas	4
3. Molecular Spectroscopy II	Christina Mariam Mathew	10

Open course: CH5OPT01 - CHEMISTRY IN EVERYDAY LIFE
Credits-4

Chapter/Topic	Name of teacher	72 hours
		No. of hrs
1. Food additives	Dr.Jintha Thomas	12
2. Soaps and Detergents	Dr. Priya Thambi T	10

3. Cosmetics	Jinu Mathew	10
4. Plastics, Paper and Dyes	Jinu Mathew	8
	Shetal Elizabeth Thomas	4
5. Drugs	Dr. Jinta Thomas	6
	Shetal Elizabeth Thomas	3
6. Chemistry and Agriculture	Shetal Elizabeth Thomas	12
7. Nanomaterials	Dr. PriyaThambi T	7

Semester VI CH6CRT09 - INORGANIC CHEMISTRY

Credits - 3

54 hours

Chapter/Topic	Name of teacher	No. of hrs
1.Coordination Chemistry - I	Shetal Elizabeth Thomas	7
2.Coordination Chemistry - II	Dr. Jinta Thomas	14
3.Coordination Chemistry III	Dr. PriyaThambi T	3
	Dr. Jinta Thomas	3
4. Organometallic Compounds	Shetal Elizabeth Thomas	12
5. Bioinorganic Chemistry	Dr. PriyaThambi T	6
6.Boron Compounds	Dr. PriyaThambi T	3
7.Inter-halogen and Noble Gas Compounds	Dr. PriyaThambi T	6

Semester VI CH6CRT10 - ORGANIC CHEMISTRY - IV

Credits - 3

54 hours

Chapter/Topic	Name of teacher	No. of hrs
1. Natural products	Jinu Mathew	6
2. Lipids	Jinu Mathew	6
3. Vitamins, Steroids and Hormones	Jinu Mathew	6
4. Amino Acids, Peptides and Proteins	Jinu Mathew	8
5. Nucleic Acids	Jinu Mathew	4
6. Enzymes	Jinu Mathew	3
7. Supramolecular chemistry	Jinu Mathew	3
8. Organic Photochemistry	Christina Mariam Mathew	4
9. Organic Spectroscopy	Christina Mariam Mathew	14

Semester VI CH6CRT11 – PHYSICAL CHEMISTRY – III

Credits - 3

54 hours

Chapter/Topic	Name of teacher	No. of hrs
1. Thermodynamics I	Dr. Suma Bino Thomas	15
2. Thermodynamics II	Dr. Suma Bino Thomas	12
3. Chemical Equilibria	Dr. Suma Bino Thomas	3
4. Ionic Equilibria	Dr. Suma Bino Thomas	8
5. Phase equilibria	Dr. Jalaja J Malayan	6
6. Chemical Kinetics	Dr. Jalaja J Malayan	10

Semester VI CH6CRT12– PHYSICAL CHEMISTRY – IV

Credits - 3

54 hours

Chapter/Topic	Name of teacher	No. of hrs
1. Solutions	Anju Linda Varghese	12

2. Electrical Conductance	Christina Mariam Mathew	12
3. Electromotive force	Anju Linda Varghese	15
4. Photochemistry	Christina Mariam Mathew	6
5. Group Theory	Anju Linda Varghese	9

CHOICE BASED COURSE: CH6CBT01 - POLYMER CHEMISTRY

Credits - 3

54 hours

Chapter/Topic	Name of teacher	No.ofhrs
1. Introduction and History of Polymeric Materials	Prof. Shetal Elizabeth Thomas	4
2. Mechanisms of Polymerization	Shetal Elizabeth Thomas	6
3. Polymerisation Techniques	Prof. Shetal Elizabeth Thomas	4
4. Physical Properties of Polymer	Dr. Eapen Thomas	14
5. Reactions of Polymers	Dr. Eapen Thomas	4
6. Polymer Degradation	Dr. PriyaThambi T	4
7. Polymer Processing	Shetal Elizabeth Thomas	4
8. Chemistry of Commercial Polymers	Dr. PriyaThambi T	8
9. Specialty Polymers	Dr. PriyaThambi T	6

2. COMPLEMENTARY COURSES IN CHEMISTRY

a. B.Sc BOTANY

Semester I: CHICMT01: Basic Theoretical and Analytical Chemistry

Credits- 2

36 hours

Chapter/Topic	Name of teacher	No. of hrs
1. Atomic Structure and Chemical Bonding	Christina Mariam Mathew	9
2. Fundamental Concepts in Chemistry	Dr. Archana S Nair	9
3. Basic principles of Analytical Chemistry	Dr. Archana S Nair	9
4. Chromatographic Techniques	Christina Mariam Mathew	9

SemesterII: CH2CMT02: Basic Organic Chemistry

Credits 2

36 hours

Chapter/Topic	Name of teacher	No. of hrs
1. Fundamental Concepts of Organic Chemistry	Christina Mariam Mathew	9
2. Mechanism of Organic reactions	Christina Mariam Mathew	9
3. Stereochemistry of Organic Compounds	Dr. Archana S Nair	9
4. Natural and Synthetic Polymers	Dr. Archana S Nair	9

SemesterIII: CH3CMT04: Inorganic and Organic Chemistry

Credits 3

54 hours

Chapter/Topic	Name of teacher	No. of hrs
1. Nuclear Chemistry	Dr. Jintha Thomas	12
2. Bioinorganic Chemistry	Dr. Eapen Thomas	6
3. Chemistry and Agriculture	Dr. Eapen Thomas	12
4. Heterocyclic Compounds	Dr. Eapen Thomas	12
5. Drugs	Dr. Eapen Thomas	6
6. Food Additives and Cosmetics	Dr. Jintha Thomas	6

Semester IV: CH4CMT06: Advanced Bio-Organic Chemistry**Credits - 3****54 hours**

Chapter/Topic	Name of teacher	No. of hrs
1.Natural Products	Dr. Eapen Thomas	6
2. Lipids	Dr.Jintha Thomas	6
3.Amino Acids an Proteins	Dr.Jintha Thomas	12
4.Enzymes and Nucleic Acids	Dr. Eapen Thomas	9
5. Carbohydrates	Dr. Eapen Thomas	12
6.Vitamines,Steroids and Hormones	Dr. Eapen Thomas	9

b. B.Sc ZOOLOGY**SemesterI: CHICMT01: Basic Theoretical and Analytical Chemistry****Credits 2****36 hours**

Chapter/Topic	Name of teacher	No. of hrs
1.Atomic Structure and Chemical Bonding	Christina Mariam Mathew	9
2.Fundamental Concepts in Chemistry	Jinu Mathew	9
3. Basic principles of Analytical Chemistry	Jinu Mathew	9
4. Chromatographic Techniques	Christina Mariam Mathew	9

SemesterII: CH2MT02: Basic Organic Chemistry**Credits 2****36 hours**

Chapter/Topic	Name of teacher	No. of hrs
1.Fundamental Concepts of Organic Chemistry	Christina Mariam Mathew	9
2.Mechanism of Organic reactions	Christina Mariam Mathew	9
3.Stereochemistry of Organic Compounds	Jinu Mathew	9
4. Natural and Synthetic Polymers	Jinu Mathew	9

SemesterIII: CH3CMT04: Inorganic And Organic Chemistry**Credits 3****54 hours**

Chapter/Topic	Name of teacher	No. of hrs
1.Nuclear Chemistry	Dr. Priya Thambi T	12
2.Bioinorganic Chemistry	Dr. Priya Thambi T	6
3. Chemistry and Agriculture	Shetal Elizabeth Thomas	12
4. Heterocyclic Compounds	Dr. Archana S Nair	12
5. Drugs	Shetal Elizabeth Thomas	6
6. Food Additives and Cosmetics	Dr. Archana S Nair	6

SemesterIV: CH4C01.2: Advanced Bio-Organic Chemistry**Credits 3****54 hours**

Chapter/Topic	Name of teacher	No. of hrs
1.Natural Products	Shetal Elizabeth Thomas	6
2. Lipids	Dr. Priya Thambi T	6
3.Amino Acids and Proteins	Dr. Priya Thambi T	12
4.Enzymes and Nucleic Acids	Dr. Archana S Nair	9
5. Carbohydrates	Shetal Elizabeth Thomas	12
6.Vitamines,Steroids and Hormones	Dr. Archana S Nair	9

M.Sc CHEMISTRY-CREDIT AND SEMESTER SYSTEM

Semester I

CH 50 01 01: Organometallics and Nuclear Chemistry

Credit: 4

Contact Lecture Hours: 72

Unit	Topic	Name of Teacher	No.ofhrs
1	Organometallic Compounds-Synthesis, Structure and Bonding	Shetal Elizabeth Thomas	18
2	Reactions of Organometallic Compounds	Dr. Eapen Thomas	9
3	Catalysis by Organometallic Compounds	Dr. Suma Bino Thomas	18
4	Bioinorganic Compounds	Dr. PriyaThambi.T	18
5	Nuclear Chemistry	Dr. Eapen Thomas	9

CH 50 01 02: Structural and Molecular Organic Chemistry

Credit: 4

Contact Lecture Hours: 72

Unit	Topic	Name of Teacher	Hrs
1	Basic Concepts in Organic Chemistry	Anju Linda Varghese	18
2	Physical Organic Chemistry	Prof. Shetal Elizabeth Thomas	9
3	Organic Photochemistry	Prof. Shetal Elizabeth Thomas	9
4	Stereochemistry of Organic Compounds	Dr. Archana S Nair	18
5	Conformational Analysis	Prof.Jinu Mathew	18

CH 50 01 03: Quantum Chemistry and Group Theory

Credit: 4

Contact Lecture Hours: 72

Unit	Topic	Name of Teacher	Hrs
1	Group Theory and Applications in Chemical Bonding	Anju Linda Varghese Dr. Jalaja J Malayan	18 18
2	Quantum Mechanics and Applications	Dr. Jalaja J Malayan Dr. Suma Bino Thomas	18 18

CH 50 01 04 Thermodynamics, Kinetic theory and Statistical thermodynamics

Credit: 3

Contact Lecture Hours: 54

Unit	Topic	Name of Teacher	Hrs
1	Classical Thermodynamics	Dr.Jintha Thomas	18
2	Kinetic Theory of Gases	Christina Mariam Mathew	9
3	Statistical Thermodynamics	Christina Mariam Mathew	27

Semester II

CH 50 02 01 COORDINATION CHEMISTRY

Credits: 4

Contact Lecture Hours: 72

Unit	Topic	Name of Teacher	Hrs
1	Structural Aspects and Bonding	Anju Linda Varghese	18
2	Spectral and Magnetic Properties of Metal Complexes	Dr. Suma Bino Thomas	18
3	Kinetics and Mechanism of Reactions in Metal Complexes	Jinu Mathew	18
4	Stereochemistry of Coordination Compounds	Dr. Eapen Thomas	9
5	Coordination Chemistry of Lanthanides and Actinides	Shetal Elizabeth Thomas	9

CH 50 02 02: ORGANIC REACTION MECHANISMS**Credit: 4****Contact Lecture Hours: 72**

Unit	Topic	Name of Teacher	Hrs
1	Review of Organic Reaction Mechanisms	Dr. Eapen Thomas	9
2	Chemistry of Carbanions	Dr. Priya Thambi	9
3	Chemistry of Carbocations	Dr. Priya Thambi	9
4	Carbenes, Carbenoids, Nitrenes and Arynes	Shetal Elizabeth Thomas	9
5	Radical Reactions	Shetal Elizabeth Thomas	9
6	Chemistry of Carbonyl Compounds	Shetal Elizabeth Thomas	9
7	Concerted reactions	Dr. Archana S Nair	18

CH 50 02 03: Chemical Bonding and Computational Chemistry**Credit: 4****Contact Lecture Hours: 72**

Unit	Topic	Name of Teacher	Hrs
1	Application of Group Theory in Spectroscopy	Dr. Jalaja J Malayan	18
2	Approximation Methods in Quantum Mechanics	Dr. Suma Bino Thomas	18
3	Chemical Bonding	Dr. Jalaja J Malayan	18
4	Computational Quantum Chemistry	Anju Linda Varghese	18

CH 50 02 04: Molecular Spectroscopy**Credit: 3****Contact Lecture Hours: 54**

Unit	Topic	Name of Teacher	Hrs
1	Foundations of Spectroscopic Techniques	Dr. Jinta Thomas	3
2	Microwave Spectroscopy	Dr. Jinta Thomas	6
3	Infrared and Raman Spectroscopy	Christina Mariam Mathew	9
4	Electronic Spectroscopy	Dr. Jinta Thomas	9
5	Nuclear Magnetic Resonance Spectroscopy	Christina Mariam Mathew	18
6	Other Magnetic Resonance Techniques	Christina Mariam Mathew	9

Semester III**CH3C09 Structural Inorganic Chemistry****Credits: 4****Contact Lecture Hours: 72**

Unit	Topic	Name of Teacher	Hrs
1	Solid State Chemistry	Dr. Jinta Thomas	18
2	Electrical, Magnetic and Optical Properties	Dr. Jinta Thomas	18
3	Inorganic Chains and Rings	Dr. Priya Thambi T	18
4	Inorganic Cages and Metal Clusters	Dr. Eapen Thomas	9
5	Chemistry of Materials	Dr. Eapen Thomas	9

CH3C10 Organic Synthesis**Credit: 4****Contact Lecture Hours: 72**

Unit	Topic	Name of Teacher	Hrs
1	Organic Synthesis via Oxidation and Reduction	Dr. PriyaThambi.T	18
2	Modern Synthetic Methods and Reagents	Jinu Mathew	18
3	Construction of Carbocyclic and Heterocyclic Ring Systems	Jinu Mathew	9
4	Protecting Group Chemistry	Shetal Elizabeth Thomas	9
5	Reterosynthetic Analysis	Shetal Elizabeth Thomas	9
6	Biosynthesis and Biomimetic Synthesis	Jinu Mathew	9

CH3C11 Chemical Kinetics, Surface Chemistry and Photochemistry**Credit: 4****Contact Lecture Hours: 72**

Unit	Topic	Name of Teacher	Hrs
1	Chemical kinetics	Dr. Suma Bino Thomas	27
2	Surface Chemistry	Dr. Jalaja J Malayan	27
3	Photochemistry	Dr. Suma Bino Thomas	9
		Dr. Jalaja J Malayan	9

CH3C12 Spectroscopic Methods in Chemistry**Credit : 3****Contact Lecture Hours: 54**

Unit	Topic	Name of Teacher	Hrs
1	Ultraviolet-Visible and Chiroptical Spectroscopy	Christina Mariam Mathew	9
2	Infrared Spectroscopy	Christina Mariam Mathew	9
3	Nuclear Magnetic Resonance Spectroscopy	Anju Linda Varghese	18
4	Mass Spectrometry	Dr. Archana S Nair	9
5	Structural Elucidation Using Spectroscopic Techniques	Dr. Archana S Nair	9

Semester IV: Elective Courses**CH4E01 Advanced Inorganic Chemistry****Credit: 4****Contact Lecture Hours: 90**

Unit	Topic	Name of Teacher	Hrs
1	Applications of Group Theory	Dr. Jalaja J Malayan	27
2	Inorganic Spectroscopic Methods	Anju Linda Varghese	9
3	Inorganic Photochemistry	Anju Linda Varghese	9
4	Nanomaterials	Dr. Archana S Nair	18
5	Analytical Methods	Christina Mariam Mathew	18
6	Acids and Bases and Non-aqueous Solvents	Dr. Eapen Thomas	9

CH4E02 Advanced Organic Chemistry**Credit : 4****Contact Lecture Hours: 90**

Unit	Topic	Name of Teacher	Hrs
1	Molecular Recognition and Supramolecular Chemistry	Shetal Elizabeth Thomas	18
2	Green Alternatives to Organic	Jinu Mathew	9

	Synthesis		
3	Principles of Nanochemistry	Jinu Mathew	9
4	Stereoselective Transformations	Dr. Jinta Thomas	9
5	Chemistry of Natural Products and Biomolecules	Dr. Priya Thambi. T	18
6	Medicinal Chemistry and Drug Designing	Jinu Mathew	9
7	Advances in Polymer Chemistry	Jinu Mathew	9
8	Research Methodology of Chemistry	Dr. Priya Thambi T	9

CH4E03 Advanced Physical Chemistry

Credit: 4

Contact Lecture Hours: 90

Unit	Topic	Name of Teacher	Hrs
1	Crystallography	Dr. Jinta Thomas	18
2	Gaseous State	Dr. Suma Bino Thomas	9
3	Fluorescence Spectroscopy	Dr. Eapen Thomas	9
4	Electrochemistry and Electromotive Force	Dr. Suma Bino Thomas	18
5	Electrochemistry and Electromotive Force	Dr. Suma Bino Thomas	9
6	Diffraction Methods and Atomic Spectroscopic Techniques	Dr. Jalaja J Malayan	9
7	Electroanalytical Techniques	Dr. Jinta Thomas Dr. Priya Thambi T	9 9

Teachers Individual Monthly Plan

INDIVIDUAL MONTHLY STATEMENT OF WORK

Year: 2016 - 17

Month - July 2016

Name - Dr M. V. Krishnaraj

Department - BOTANY

Total Number of Working days - 20

Details of classes engaged including extra classes

Class	Hours	Topics or Portion covered
D3	14	Nucleus-Chromosomes- morphology-special type of chromosomes Nucleosome model Environmental biology-Field visit-Ecads, Ecotypes-introduction Horticulture- Seed testing/certification
D2	4	Sexual reproduction in Bacteria-Transformation, Transduction, and Conjugation
D1	NIL	Admission going on- joined on 27/7/2016
D3-OPEN	4	Seed propagation-advantages-Artificial propagation

Details of Practical conducted

Class	Topic / Portion
D3 Core	Cell Biology
D2 Core	Microbiology

Student Seminars conducted

Class	Subject
D3 Core	Cell Biology

Co-curricular / Departmental / Student support activities

1. Tutorial related activities-D3 Botany students
2. WWS -mentoring for 3rd
3. CBCSS practical examination- BK College, Amalagiri& Govt. College, Kottayam
4. Skilled assistant-CBCSS practical Sem. 1&2 Core and Complementary
5. 2015-16 Academic audit related activities

Project/ Research Activities, Conference / Seminars attended:

Nil

Administrative activities:

1. Department level CAP (2016-17) Admission officer
2. Master register preparation for the year 2015-16

Any other activities:

1. Staff club activities


Signature of HOD


Signature of Teacher

INDIVIDUAL MONTHLY STATEMENT OF WORK

Year: 2016-17

Month: December 2016

Name: Dr. Nibu A George

Department: Physics

Total Number of Working Days: 15

Duty Leave: 1

Commuted Leave: 0

Casual Leave: 0

Details of Classes Engaged during the month

Class	Hours	Topics / Portion
MSc (S1)	6	IC 555 and voltage regulator ICs
D3 Physics	5	Information Technology-completed
D2 Chemistry	3	Superconductivity
D2 Chem. (lab)	2	Practicals

Extra Hours Engaged During the Month

Class	Hours	Topics / Portion
D2 Chemistry	1	superconductivity

Student Seminar/Viva/Quiz Conducted

Class	Subject

Co-curricular/ Departmental/ Student support activities

- 1) University Exam invigilation duty on 9th and 14th December.
- 2) Internal Exam Duty 19th December.
- 3) Prepared the question papers for model internal exam for M.Sc. (3rd semester).
- 4) Attended the Centralized Valuation camp for B.Sc. Physics 3rd semester University exam paper valuation CMS college from 1st December
- 5) Valued and returned the Model internal exam papers of M.Sc. (S3) and prepared the A-forms.
- 6) Convener of Patron's day celebrations correspondence committee.

Project/Research Activities, Conference/Seminars Attended

- 1) One M.Sc. Physics student from Kalladi College completed her M.Sc. projects under my guidance at Physics Research Centre of Baselius College.
- 2) 6 B.Sc. Physics students started their final project under my supervision.



Signature of HOD

Dr. SINDU JONES
H.O.D., DEPT. OF PHYSICS
BABELIUS COLLEGE, KOTTAYAM



Signature of Teacher

INDIVIDUAL MONTHLY STATEMENT OF WORK

YEAR 2017- 2018

Name: Shetal Elizabeth Thomas

Total number of Working Days: 20

Month: March

Department: Chemistry

Details of classes engaged during the month

Class	Hours	Topics, portions covered
D3	6	Metallurgy
D2	12	Polynuclear hydrocarbons
M2	15	Physical Chemistry practical
M1	4	Carbenes
Extra hours taken	8	

Co-curricular / Departmental / Student support Activities:

- Consolidated attendance Of D2 sent to office
- Internal exam duty (5 hours)
- Attended sent off to the retiring staff by management 22/3/2018
- Attended Departmental staff meeting on 27/3/18
- Submission of question paper (Polymer Chemistry) for D3 model exam
- Answer paper evaluation of D3 core
- Meeting with Dr. Kelkar at Back water ripples , Kumarakom on 18/3/18
- Attended prathiba sanghamam on 27/03/2018
- Audited accounts of Syriac and Hindi departments on 22/3/2018
- Two day seminar SPECORD 2018 on 20-3-2018 and 21-3-2018
- Preparation of A forms of D3 and D2 (Polymer Chemistry And Basic Organic Chemistry 1)
- Preparation of B forms Of D2
- **Project / Research Activities, Conference / Seminars Attended:**
- Guided 6 B.Sc and 1 M.sc student
- Attended power point presentation by D2 student Stephen Hawking –“emblem of human determination”
- Submission of tutorial report D2



Signature of HOD



Signature of Teacher

INDIVIDUAL MONTHLY STATEMENT OF WORK

Year: 2019-20

Month: August (2019)

Name: **SHIBU M GEORGE**
 Total Number of Working Days: 14
 Details of Classes Engaged during the month

Department: POLITICAL SCIENCE
 Summer Vacation (special Classes): NA
 -

Class	Hours	Topics / Portion
I Semester	26	Challenges-Globalization and Commodification of Knowledge. Epistemological and Ontological Foundations of Social Sciences-Modern and Postmodern Understandings. Questions of Objectivity and Subjectivity-Rationalism-Empiricism Positivism and Post-Positivism.
V Semester	20	Core: Post-Positivist theories: Constructivism, Feminism, Post-Modernism Marxist Theories: World System (Immanuel Wallerstein), Dependence (Samir Amin). Post Colonialism (Frantz Fanon), Orientalism (Edward Said) Critical Theory (Frankfurt School). Open Course: Conventional Warfare and Contemporary Warfare. Typology of War: Nuclear War, Limited War, Revolutionary Warfare, Guerilla Warfare Insurgency and Counter-Insurgency. Arms Control and Disarmament Deterrence, Military Alliances, Pacts, Treaties, Defence Cooperation Strategic Partnership and Security Dialogue.

Extra Hours Engaged During the Month -Nil

Details of Test papers Conducted

Class	Subject	Topics / Portion
D2	-	-
D3	-	-
D3(Open Course)	-	-

Student Seminars/Viva/Quiz conducted

Class	Subject	Topics / Portion
D2	Nil	
D3	Nil	
D3(open Course)	Nil	

Co-curricular/ Departmental/ Student support activities/Administrative Activities

- I SEM-Class Teacher
- Care Taker, NCC Unit Baselius College,; Kottayam.

Administrative activities

- Secretary, College Co-operative Store Executive Board
- Member, College level UGC Planning Steering Board.
- Member, College Council.

Project/Research Activities, Conference/Seminars Attended.—

Any other activities:

- Member, PG Board of Studies, Political Science, MG University.
- Member, PG Board of Studies, Political Science, Kerala University

Signature of HOD



Signature of Teacher



MONTHLY STATEMENT OF WORK

Year: 2020-21*

Name: Dr. Anit M. Thomas.

Total Number of Working days: 25 (02 days DL)

Details of classes engaged during the month

Month: March, 2021

Department: Zoology

Class	Hours	Topics or Portions covered
D3 Core	22(T) (GM & Offline)	<u>Microbiology</u> Entire portion Completed <u>Ecotourism</u> Entire portion Completed <u>Developmental Biology</u> Module V General Topics.....Completed Module IV Teratology.....Completed Developmental defects.....Completed Experimental Embryology....Ongoing
	02 (P)	Oxygen and Carbon dioxide estimation
D2 Complementary	03(T) (GM)	Module 1 Aquaculture.....Ongoing
D1 Core	05(T) (GM)	<u>Protistan Diversity</u> Entire portion Completed
D2 Core	02(T) (GM & Offline)	<u>Research Methodology, Biophysics & Biostat</u> Module 1 Research Methodology.....Ongoing
D1 Complementary	04(T) (GM)	<u>Nonchordate Diversity</u> Module I..... Completed Module III..... Completed Module V..... Ongoing

Extra hours engaged during the month: Nil

Student Seminars / Viva /Assignment/ Quiz conducted :05

Class	Subject	Date	Name	Topic / Portion
D3	Microbiology	23/3/2021	Juna Mariam	Infections
	Microbiology	23/3/2021	Arunima Venugopal	Disease transmission mode
	Microbiology	23/3/2021	Juna Jacob	Bacterial Infection

D1	Protistan Diversity	19/3/2021	Ann Mary Mathew	<i>Plasmodium sp.</i>
Core	Protistan Diversity	19/3/2021	Sahal Muhammed	<i>Trypanosoma sp.</i>

Details of test papers conducted: Nil

Project / Research Activities, Conference / Seminars attended: 11 students

Class	Name of Student	Topic / Portion
D3	AKILAJA BIJU	Progress of individual review work
	ALEENA P. KRISHNA	
	ANILAMOL P.R	
	ANJALI ASOK	
	LIBY R.	
	POOJA JOSE	
	SHEJINAMOL C.M	
	AJITH V.P.	
	ARUNRAJ T.R.	
	RENJITH REJI	
	ABHISHEK MATHEW	

Co-curricular / Departmental / Student support activities.

- Shared study materials of Ecotourism for D3 students.

Administrative activities

- Collected Vth Semester answer scripts from BCM College, Kottayam valuation camp on 17/03/2021.
- Attended Election Duty class at CMS College, Kottayam on 17/03/2021 AN.
- Attended Election Duty class at SH HSS Changanacherry on 21/03/2021.
- Returned Vth Semester answer scripts to BCM College, Kottayam valuation camp on 29/03/2021.
- Attended College staff meeting at Dr. A P Mania Media Centre on 30/03/2021.
- Attended NAAC presentation meeting at Dr. A P Mania Media Centre on 30/03/2021 AN & 31/03/2021.

Examination Duties:

- University (Pvt.) examination invigilation duty on 08/03/2021 AN.
- University examination invigilation duty for P G Regular on 22/03/2021 FN.

Signature of HOD

Signature of Teacher

Teacher's Daily Diary

22/9/2018 - CL

CLASSES ENGAGED

Date: 19/9/2018 Day: II

Period	Class	Subject & Portion taught - Theory / Practical	Seminar	Assignment	Test Paper
I	D ₂ oc	Revision			
II	D ₂ chem	practical lab			
III					
IV					
V	M ₂ sc	TEMU problems			

M-sc (S₃) - plane wave solution completed.

Extra / Co-curricular Activities

Tutorial Session / Library Work / Project / Paper Correction / Meetings / Extension Activities with Details:

counselling for students.
criteria meeting at English department
1:30pm.

Remarks:

CLASSES ENGAGED

Date: 19/9/2018 Day: III

Period	Class	Subject & Portion taught - Theory / Practical	Seminar	Assignment	Test Paper
I					
II					
III	D ₂ phys	Lozents transformation			
IV					
V	M ₂ sc	mathematical methods in physics			

Extra / Co-curricular Activities

Tutorial Session / Library Work / Project / Paper Correction / Meetings / Extension Activities with Details:

M-sc (S₃) - mathematical methods in physics

Remarks:

CLASSES ENGAGED

Date: 19/9/18 Day: V

Period	Class	Subject & Portion taught - Theory / Practical	Seminar	Assignment	Test Paper
I					
II	M ₂	Bioinorganic synthesis			
III	D ₂	organometallic chemistry			
IV	D ₁	Solvent - S.K.P			
V	D ₁ Zoology				

Extra / Co-curricular Activities

Tutorial Session / Library Work / Project / Paper Correction / Meetings / Extension Activities with Details:

⇒ Staff meeting

Remarks:

CLASSES ENGAGED

Date: 20/9/18 Day: VI

Period	Class	Subject & Portion taught - Theory / Practical	Seminar	Assignment	Test Paper
I	D ₁ Zoology	Applications of Solubility eqns			
II	D ₂	Equilibria			
III					
IV					
V	M				

Extra / Co-curricular Activities

Tutorial Session / Library Work / Project / Paper Correction / Meetings / Extension Activities with Details:

⇒ Club meeting
⇒ NAAC Convent and Co-convent meeting

Remarks:

CLASSES ENGAGED

Date: 19/9/18 Day: VII

Period	Class	Subject & Portion taught - Theory / Practical	Seminar	Assignment	Test Paper
I					
II					
III	D ₂ Zoology	Unpaired rod			
IV	M ₂	Unpaired rod on Richard's reaction			
V					

Extra / Co-curricular Activities

Tutorial Session / Library Work / Project / Paper Correction / Meetings / Extension Activities with Details:

D₂ Zoology - Invertebrate - Parasitology
⇒ Admission verification - Calma
D₂ Zoology - Invertebrate - Parasitology
⇒ Prepared on cancer for inhouse journal
⇒ Zoology - PPE Secondary

Remarks:

CLASSES ENGAGED

Date: 19/9/18 Day: I

Period	Class	Subject & Portion taught - Theory / Practical	Seminar	Assignment	Test Paper
I	oc	Unpaired rod on Richard's reaction			
II					
III	M ₂	Unpaired rod on Richard's reaction			
IV					
V					

Extra / Co-curricular Activities

Tutorial Session / Library Work / Project / Paper Correction / Meetings / Extension Activities with Details:

Remarks:

Teaching Plan

Department of Commerce

TEACHING PLAN 2016-17 (EVEN SEMESTER)

NAME OF TEACHER: Dr. J. Nalini

DEPARTMENT : COMMERCE

Work assignment - Number of Periods per week:

IDC	II DC	III DC	I PG	II PG
4	-	3	-	5

SECOND SEMESTER B. COM – CORPORATE REGULATIONS AND ADMINISTRATION

Class/Batch	Theory (Topics / Lessons / Areas)	Hours
November 2016	Company-definition, characteristics, types.	12
December 2016	Promotion of companies- memorandum, articles, prospectus, lifting of corporate veil	10
January 2017	Share capital, membership in company -Company meetings,	16
February 2017	Company Administration-Directors- appointment, remuneration etc.	16
March 2017	Winding up of companies & Revision	8

SIXTH SEMESTER B. COM- APPLIED COST ACCOUNTING

Class/Batch	Theory (Topics / Lessons / Areas)	Hours
November 2016	Methods & techniques of costing- job costing- meaning, merits, demerits etc	12
December 2016	Batch costing- process EBQ- contract costing –meaning, ascertainment	8
January 2017	Contract costing - problems, process costing- introduction, process losses- accounts	12
February 2017	Process costing- problems & Revision	8

SEMESTER FOUR M.COM – ADVANCED COST ACCOUNTING

Class/Batch	Theory (Topics / Lessons / Areas)	Hours
December 2016	Process Costing	10
January 2017	Marginal costing and its application	10
February 2017	Budgetary Control , Standard Costing	15
March 2017	Standard costing- variance analysis, Reconciliation	15
April 2017	Integral and Non integrated Accounting	20
May 2017	Revision	10

H. O. D




Dr. J. Nalini
Name and Signature of Teacher

TEACHING PLAN 2016-17 (EVEN SEMESTERS)

NAME OF TEACHER: PARVATHY MOHAN

DEPARTMENT : COMMERCE

Work assignment-Number of Periods per week:

IDC	II DC	III DC	I PG	II PG
	3	5		5

FOURTH SEMESTER B.COM - FINANCIAL SERVICES


Class/Batch	Theory (Topics / Lessons / Areas)	Hours
November 2015	Introduction to financial services.	6
November 2015	Venture capital and merchant banking	8
December 2015	Credit rating and Securitization	5
January, February 2016	Factoring and leasing	8
March 2016	Revision	8


SIXTH SEMESTER B.COM- ACCOUNTING FOR MANAGERIAL DECISIONS

Class/Batch	Theory (Topics / Lessons / Areas)	Hours
November 2015	Introduction to Managerial decisions	8
December 2015	Ratio Analysis.	20
January 2016	Fund flow statement	15
February 2016	Cash flow statement	12
March 2016	Revision and seminars.	15

M.COM SEMESTER 4- ADVANCED COST ACCOUNTING

Class/Batch	Theory (Topics / Lessons / Areas)	Hours
December 2015	Process costing	10
December 2015	Marginal costing and its applications	10
January 2016	Budgetary control	15
February 2016	Standard costing	15
March, April 2016	Reconciliation and integral accounts.	20
May 2016	Revision	10


Head of the Department


Name and Signature of Teacher

Parvathy Mohan



Year : 2017-2018

Department : CHEMISTRY

Name of Teacher : Dr. PRIYA THAMBI T

BSc CHEMISTRY

Semester III CORE - CH3BO1-Fundamentals of Organic chemistry

Unit 1 CLASSIFICATION AND NOMEN CLATURE		Total Hrs. 4
	Lecture	3
	Test	1
	Assignment	1
		Total Hrs. 15
Unit 2- STEREO CHEMISTRY OF ORGANIC COMPOUNDS	Lecture	12
	Assignment	1
	Test	1
	Seminar	1

Semester IV CORE - CH4BO1- Basic Organic chemistry

Unit 1 – CARBOXYLIC ACID AND SULPHONIC ACIDS		Total Hrs. 18
	Lecture	14
	Assignment	1
	Test	2
	Seminar	1

Semester V CORE - CH5BO1- Chemistry of d & f block elements

Unit 1 – CHEMISTRY OF D AND F BLOCK ELEMENTS Total Hrs.- 9		Total Hrs. 18
	Lecture	7
	Assignment	1
	Test	1
	Seminar	-
Unit 2- ORGANO METALLIC COMPOUNDS Total Hrs. - 9	Lecture	7
	Assignment	1
	Test	1
	Seminar	-

Semester V- OPEN COURSE CHEMISTRY IN EVERY DAY LIFE

Unit SOAPS –		Total Hrs.16
	Lecture	4
	Assignment	1
	Test	1
	Seminar	-
	Lecture	9

Unit 2 DETERGENTS-	Assignment	1
	Test	2
	Seminar	-

Semester VI- CHB01 APPLIED INORGANIC CHEMISTRY

Unit – chemistry of p block elements Total Hrs.- 9		Total Hrs.9
	Lecture	7
	Assignment	1
	Test	1
	Seminar	-
		Total Hrs.6
Unit – industrially important Materials Total Hrs. -9	Lecture	6
	Assignment	1
	Test	-
	Seminar	2
		Total Hrs.3
Unit NANO Materials Total Hrs. -9	Lecture	2
	Assignment	1
	Test	-
	Seminar	1

CHOICE BASED COURSE CH6B06- POLYMER CHEMISTRY

Unit 4–CHEMISTRY OF COMMERCIAL POLYMERS Total Hrs.- 9		Total Hrs.9
	Lecture	7
	Assignment	1
	Test	1
	Seminar	-
		Total Hrs.9
Unit 4– ADVANCES IN POLYMERS Total Hrs. -9	Lecture	6
	Assignment	1
	Test	-
	Seminar	2

M.SC

Semester I - CH2 EO1- ORGANOMETALLICS AND NUCLEAR CHEMISTRY

Unit : BIO INORGANIC compounds Total Hrs.- 18		Total Hrs .18
	Lecture	14
	Assignment	1
	Test	1
	Seminar	1

CH2 EO2 - STRUCTURAL AND MOLECULAR ORGANIC CHEMISTRY

Unit : STEREO CHEMISTRY OF		Total Hrs .18
	Lecture	14

ORGANIC COMPOUNDS Total Hrs.- 18	Assignment	1
	Test	1
	Seminar	1

Semester II - CH1CO4- COORDINATION CHEMISTRY

Unit STRUCTURAL ASPECTS OF BONDING	Total Hrs.18	
	Lecture	7
	Assignment	1
	Test	1
	Seminar	-

Unit REVIEW OF ORGANIC REACTION MECHANISMS	Total Hrs.18	
	Lecture	7
	Assignment	1
	Test	1
	Seminar	-

Semester III

Semester III- CH3CO9- Structural Inorganic Chemistry

Unit INORGANIC CAGES AND METAL CLUSTERS	Total Hrs.18	
	Lecture	15
	Assignment	1
	Test	1
	Seminar	1

Semester III - CH3 C10 ORGANIC SYNTHESIS

Unit ORGANIC SYNTHESIS VIA OXIDATION AND REDUCTION	Total Hrs.18	
	Lecture	15
	Assignment	1
	Test	1
	Seminar	1

Semester1V

Semester1V- CH4 – ADVANCED ORGANIC CHEMISTRY

RESEARCH METHODOLOGY	Total Hrs9	
	Lecture	7
	Assignment	-
	Test	1


	Seminar	1	102
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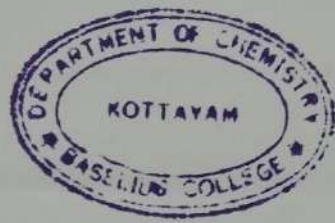
Unit CHEMISTRY OF NATURAL PRODUCTS		Total Hrs.18
	Lecture	15
	Assignment	1
	Test	1
	Seminar	1

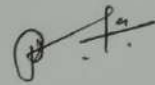
CH4E03 ADVANCED PHYSICAL CHEMISTRY

ELECTOANALYTICAL TECHNIQUES		Total Hrs9
	Lecture	7
	Assignment	-
	Test	1
	Seminar	1

Any other activities :


Signature of HOD




Signature of Teacher

TEACHING PLAN 2018-19(ODD SEMESTERS)

NAME OF TEACHER : SHEEBA JOSEPH

DEPARTMENT : COMMERCE

Work assignment-Number of Periods per week:

IDC	II DC	III DC	I PG	II PG
	5	3		5(7.5)

THIRD SEMESTER B. COM- CORPORATE ACCOUNTING

Class/Batch	Theory (Topics / Lessons / Areas)	Hours
June 2018	Issue of shares, Redemption of shares	10
June 2018 & July 2018	Bonus Issue, Buy back of shares, Rights issue, ESOP	25
July 2018	Underwriting, Profits prior to incorporation	15
August 2018	Final Accounts of companies, Investment Accounts	25
September 2018	Insurance Accounts	15

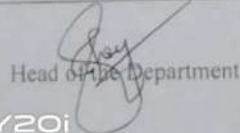
B. COM SIXTH SEMESTER- Cost Accounting I

June 2018	Cost accounting, Meaning , Definitions, concepts etc	15
July 2018	Accounting and control of Material Cost – Levels, EOQ, Inventory Systems , losses etc.	15
August 2018	Pricing of materials, Accounting for Overhead- Classification, primary and secondary distribution summary	20
September 2018	Absorption of Overheads- unit rate, Machine hour rate, Simultaneous equation method, over absorption, under absorption.	15

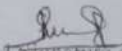
M. COM THIRD SEMESTER- Business Environment

Class/Batch	Theory (Topics / Lessons / Areas)	Hours
June 2018	Business Environment- meaning, scope, objectives, Micro and macro environment, Environment analysis	15
July 2018	Economic environment- economic systems, merits, demerits, features etc.	10
August 2018	Political and legal environment- classification, types, relationship, responsibilities of govt. , kinds of legal systems	20
September 2018	Social and cultural environment- natural environment, social responsibilities, natural environment management- impact on business	25
October 2018	Environmental management, sustainable development, impact assessment, ethics, EIA input to project life cycle, EA, assessing components of loss.	20

Head of the Department




Name and Signature of Teacher
Sheeba Joseph



Link for College Academic Calendar

2016-17	https://baselius.ac.in/wp-content/uploads/2021/03/Academic-Calendar-2016-17.pdf
2017-18	https://baselius.ac.in/wp-content/uploads/2021/03/Academic-Calendar-2017-18.pdf
2018-19	https://baselius.ac.in/wp-content/uploads/2021/03/Academic-Calendar-2018-19.pdf
2019-20	https://baselius.ac.in/wp-content/uploads/2021/03/Academic-Calendar-2019-20.pdf
2020-21	https://baselius.ac.in/wp-content/uploads/2021/03/Academic-Calendar-2020-21.pdf

Remedial Classes

BASELIUS COLLEGE

Class: B3 Attendance

Core Course: Cell and Molecular Biology
 Teachers: Dr. K. Balakrishnan MV & Dr. Rajesh PR

Sl. No.	Name	12/10	28/10	04/11	21/11/17
1	Sachin Varghese	<u>Sh</u>	<u>Sh</u>	<u>Sh</u>	<u>Sh</u>
2	Heli Sankalan S.	<u>Sh</u>	<u>Sh</u>	<u>Sh</u>	<u>Sh</u>
3	Sujith Alex Thomas	<u>Sh</u>	<u>Sh</u>	<u>Sh</u>	<u>Sh</u>
4	Manesh Abiraham Kalis	<u>Sh</u>	<u>Sh</u>	<u>Sh</u>	<u>Sh</u>
5	Saji T. Mathew	<u>Sh</u>	<u>Sh</u>	<u>Sh</u>	<u>Sh</u>
6	Justin C. Raju	<u>Sh</u>	<u>Sh</u>	<u>Sh</u>	<u>Sh</u>
7	Jay Anu Sars	<u>Sh</u>	<u>Sh</u>	<u>Sh</u>	<u>Sh</u>
8	Vishnu Suresh	<u>Sh</u>	<u>Sh</u>	<u>Sh</u>	<u>Sh</u>
9	Aswathy V.	<u>Sh</u>	<u>Sh</u>	<u>Sh</u>	<u>Sh</u>
10	Salman K.	<u>Sh</u>	<u>Sh</u>	<u>Sh</u>	<u>Sh</u>
11	Sharon Raju.	<u>Sh</u>	<u>Sh</u>	<u>Sh</u>	<u>Sh</u>
12	Swathysree T.	<u>Sh</u>	<u>Sh</u>	<u>Sh</u>	<u>Sh</u>
13	Najuma Najeeem	<u>Sh</u>	<u>Sh</u>	<u>Sh</u>	<u>Sh</u>
14	Salena M.K.	<u>Sh</u>	<u>Sh</u>	<u>Sh</u>	<u>Sh</u>
15	Santhya P. Sunil	<u>Sh</u>	<u>Sh</u>	<u>Sh</u>	<u>Sh</u>

[Signature]
 ARABHYR, M.Sc., B.Ed
 Assistant Professor and Head /c/
 Department of Botany
 Basilius College, Kottayam



D, MATHEMATICS

16

	Name of the student	26/8/16	29-08-2016
1	Aparna K.P	Aparna	Athul
2	Athul P Raj	Athul	Jogin
3	Jogin Xavier	Jogin	
4	Amal Krishnan	Amal	
5	Anil P Abraham	Anil	Anil
6	Arun Ponnachan	Arun	
7	Ben-V. Varkey		
8	Nimal Joy Cheriyan	Nimal	Nimal
9	Banjay Uthup Thomas	Banjay P	Banjay P
	Topics Covered	Roots of Equations Transformation of Equations	Ceiling and Graph. 29/08/2016
	Signature of the Teachers		

Dr. ANNIE CHERIAN
HOD- in Charge
Dept. of Mathematics
Baselius College, Kottayam

D₃ MATHEMATICS

1

S/No Name of the student

25-08-2016

7/2/2016

Arathy M.J
Ashly Jacob
Ajazaj Kussian
Mahammed Hisham A
Aswathy M.R.
Ranji Kussian Varghese
Shilpa Sasi
Sreekutty Babu

Arathy
Ashly
Shilpa
Aswathy
RKP
Shilpa
Sreekutty B

Arathy
Ashly
Aswathy
RKP
Shilpa
Sreekutty B

Topics Covered

Limit of a Sequence

Algebra of Sequences

Signature of the Teacher











Jaimey

Jaimey

Dr. ANNIE CHERIAN
HOD- in Charge
Mathematics
College, Kottayam

Annie

Remedial Teaching Details: 2018-2019

Sl.No	Date& Time	Teacher-in-charge	Class	Topics covered	No. of students participated	Signature of the Teacher
1	10/09/2018 4 pm to 5 pm	Jaimy Sarah Jacob	D3 Maths	Sequence, Cauchy's General Principle	9	
2	15/09/2018 10 am to 12.30 pm	Tessymol Abraham	D3 Maths	First Order DE, Exact DE, Homogenous DE, Linear DE	10	
3	15/09/2018 10 am to 12.30 pm	Jaimy Sarah Jacob	D2 Maths	Double Integration, Surface Area, Volume	10	
4	20/09/2018 4 pm to 5 pm	Annie Cherian	D2 Maths	Probability Distributions, Uniform Distribution	7	
5	29/09/2018 10 am to 12.30 pm	Jaimy Sarah Jacob	D3 Maths	Tests of Convergence	8	
6	29/09/2018 10 am to 12.30 pm	Tessymol Abraham	D2 Maths	Curvature, Envelopes, Asymptots	9	
7	06/10/2018 10 am to 12.30 pm	Annie Cherian	D2 Maths	Binomial Distribution – Mean, Variance, MGF	8	
8	06/10/2018 10 am to 12.30 pm	Jaimy Sarah Jacob	D3 Maths	Continuity at a point, Discontinuity, Different types	7	
9	25/10/2018 9 am to 10 am	Tessymol Abraham	D3 Maths	Permutation, Symmetric Group	6	
10	23/11/2018 9 am to 10 am	Tessymol Abraham	D2 Maths	Extreme Value, Absolute Maximum, Absolute Minimum	7	

11	23/11/2018 4 pm to 5 pm	Jaimy Sarah Jacob	D3 Maths	Increasing Function, Decreasing Function, Monotonic Function	6	<i>Jaimy</i>
12	07/12/2018 4 pm to 5 pm	Annie Cherian	D1 Maths	Measure of Central Tendency	7	<i>Annie</i>
13	08/01/2019 9 am to 10 am	Annie Cherian	D1 Maths	Measures of Dispersion	6	<i>Annie</i>
14	25/01/2019 4 pm to 5 pm	Jaimy Sarah Jacob	D3 Maths	Uniform Continuity	9	
15	02/02/2019 10 to 12.30	Tessymol Abraham	D3 Maths	Field, Integral Domain, Ring	8	<i>Tessymol</i>

Annie
Dr. Annie Cherian
HOD
Dept. of Mathematics

Dr. ANNIE CHERIAN
HOD- in Charge
Dept. of Mathematics
Baselius College, Kottayam



Srinivasan
Principal
Baselius College
Kottayam