



UNIVERSITY OF KERALA

Re-accredited by NAAC with A++ GRADE

College Basket

May 13, 2024, 8:42 a.m.

College : V T M N S S College (145)
 Year of admission : Batch 2024
 Discipline : FYUGP Chemistry

Category	Course Code	Course Name	Entered by	Entered on	Description
Semester: 1					
DSC	UK1DSCCHE100	INORGANIC CHEMISTRY I	Sreeja T.G	Sun, 12 May 2024 16:51:32 GMT	Atomic Structure, Periodicity, Chemical bonding, Basics of Environmental chemistry & Analytical principles (T), Inorganic Volumetric analysis (P)
DSC	UK1DSCCHE101	FUNDAMENTALS OF CHEMISTRY I	Sreeja T.G	Sun, 12 May 2024 16:51:33 GMT	Periodic classification. Chemical bonding, Thermodynamics, Thermochemistry & Analytical Principles (T), Inorganic Volumetric analysis (P)
DSC	UK1DSCCHE103	FOUNDATIONS OF INORGANIC & POLYMER CHEMISTRY	Sreeja T.G	Sun, 12 May 2024 16:51:33 GMT	Atomic structure, Periodicity, Chemical bonding, Environmental pollution, Natural & Sythetic polymers, Analytical principles (T), Inorganic Volumetric analysis (P)

DSC	UK1DSCCHE105	GENERAL CHEMISTRY I	Sreeja T.G	Sun, 12 May 2024 16:51:33 GMT	Methodology of chemistry, popular scientists in chemical science, Chemistry in everyday life, Lab safety & Analytical principles (T), Volumetric Analysis (P)
MDC	UK1MDCCHE100	FUNDAMENTAL ASPECTS OF ENVIRONMENTAL CHEMISTRY	Sreeja T.G	Sun, 12 May 2024 16:52:50 GMT	Concept of environment, Air pollution, Water pollution, Soil pollution & Environmental disasters.
Semester: 2					
DSC	UK2DSCCHE100	ORGANIC CHEMISTRY - I	Sreeja T.G	Sun, 12 May 2024 16:54:35 GMT	Uniqueness of carbon-Organic Nomenclature, functional groups -reaction notations- conformations- stereo representations- configurations- isomerism- electron displacement effects- introductory reaction mechanism- reaction intermediates- organic qualitative analysis (practicals)
DSC	UK2DSCCHE101	FOUNDATIONS OF CHEMISTRY - II	Sreeja T.G	Sun, 12 May 2024 16:54:35 GMT	Gaseous state, Crystalline State, Petrochemicals & alternate sources, Metallurgy, nano materials (T), Inorganic Qualitative analysis (P)
DSC	UK2DSCCHE105	BIOMOLECULES & BIOPHYSICAL CHEMISTRY - I	Sreeja T.G	Sun, 12 May 2024 16:54:35 GMT	Carbohydrates, Aminoacids, proteins, Solutions, colloids, acids, bases and buffers, heterocyclic & bioinorganic compounds (T), Organic qualitative analysis (P)
DSC	UK2DSCCHE106	GENERAL CHEMISTRY - II	Sreeja T.G	Sun, 12 May 2024 16:54:35 GMT	Introduction to nanoscience, Green chemistry, Biomolecules, Environmental Chemistry, Fuel Chemistry (T), Inorganic estimations (P)

MDC	UK2MDCCHE101	FOOD CHEMISTRY	Sreeja T.G	Sun, 12 May 2024 16:55:00 GMT	Food and nutrients, Food additives, food adulteration, Dairy products, food processing and packaging (T)
Semester: 3					
DSC	UK3DSCCHE200	PHYSICAL CHEMISTRY - I	Sreeja T.G	Sun, 12 May 2024 16:57:31 GMT	Solid state, Liquid state, Gaseous state, Dilute solutions and colloids (T), Physical Chemistry Practicals (P)
DSC	UK3DSCCHE201	ESSENTIALS OF PHYSICAL CHEMISTRY	Sreeja T.G	Sun, 12 May 2024 16:57:31 GMT	Chemical & Ionic Equilibrium, Electrochemistry, Catalysis, Photochemistry, Dilute solutions, Binary liquid systems (T), Physical Chemistry Experiments (P)
DSC	UK3DSCCHE205	BIOMOLECULES & BIOPHYSICAL CHEMISTRY - II	Sreeja T.G	Sun, 12 May 2024 16:57:31 GMT	Enzymes & lipids, Chemical kinetics, Introduction to metabolism, Bioenergetics (T), Organic and physical chemistry experiments (P)
DSC	UK3DSCCHE206	GENERAL CHEMISTRY - III	Sreeja T.G	Sun, 12 May 2024 16:57:31 GMT	Chemistry of drugs and food additives, Energy production and storage, fertilizers, explosives, polymers (T)
DSE	UK3DSECHE205	FORENSIC CHEMISTRY - I	Sreeja T.G	Sun, 12 May 2024 16:59:22 GMT	Criminology, Domains in Forensic Science, Forensic Laboratories and Forensic Institutions- Role, Function, Services and Functionalities, Legal Provisions Related to Forensic Science
VAC	UK3VACCHE200	LABORATORY SAFETY	DR. ANANDAKUMAR V M	Sun, 12 May 2024 16:41:00 GMT	Introduction to lab safety, Chemical hazards, Working with chemicals and apparatus, Safety equipments & Emergency procedures, Laboratory waste management (T)

Semester: 4					
DSC	UK4DSCCHE200	INORGANIC CHEMISTRY II	Sreeja T.G	Sun, 12 May 2024 17:00:47 GMT	Non transition elements, Nuclear chemistry, Nano materials & Principles of qualitative analysis (T), Inorganic Qualitative Analysis (P)
DSC	UK4DSCCHE202	ORGANIC CHEMISTRY - II	Sreeja T.G	Sun, 12 May 2024 17:00:47 GMT	Aromaticity- Aromatic electrophilic substitutions- directive effects- Aliphatic nucleophilic substitutions- Elimination- Addition- Rearrangements- Physical Organic Chemistry- Organic Quantitative analysis (Practicals)- Organic Preparations (Practicals)
DSE	UK4DSECHE205	FORENSIC CHEMISTRY - II	Sreeja T.G	Sun, 12 May 2024 17:01:13 GMT	Recent Trends in Forensic Science, Techniques and Technologies, Crime scene: Types, Management, Role of police, Forensic Photography, Forensic Videography, Sketching.
SEC	UK4SECHE201	PRACTICAL SKILLS IN CHEMISTRY	DR. ANANDAKUMAR V M	Sun, 12 May 2024 16:41:29 GMT	Lab safety, Preparation of standard solutions, measurement of pH, Volumetric Analysis, Salt analysis (T)
VAC	UK4VACCHE200	SUSTAINABLE CHEMISTRY	DR. ANANDAKUMAR V M	Sun, 12 May 2024 16:41:16 GMT	Introduction to biomass, biofuels, Polymers from biomass, corrosion management, Renewable energy sources (T)
VAC	UK4VACCHE201	SCIENTIFIC COMMUNICATION & ETHICS	DR. ANANDAKUMAR V M	Sun, 12 May 2024 16:41:16 GMT	Methods of Scientific communication, Scientific digital database, Intellectual property rights Ethics in

					publications, Methods of scientific research and writing scientific papers (T)
Semester: 5					
DSC	UK5DSCCHE300	INORGANIC CHEMISTRY III A	Sreeja T.G	Sun, 12 May 2024 17:03:24 GMT	Transition and inner transition elements, Coordination Chemistry, Organic metallics, Bioinorganic Chemistry, Metallurgy (T), Gravimetric Analysis (P)
DSC	UK5DSCCHE302	PHYSICAL CHEMISTRY II	Sreeja T.G	Sun, 12 May 2024 17:03:24 GMT	Quantum Mechanics, Spectroscopy, Statistical thermodynamics & Group theory (T)
DSC	UK5DSCCHE304	ORGANIC CHEMISTRY - III	Sreeja T.G	Sun, 12 May 2024 17:03:24 GMT	Alcohols- phenols- ethers- epoxides- aldehydes- ketones- carboxylic acids- sulphonic acids- Carbohydrates- organometallic compounds- active methylene compounds
DSE	UK5DSECHE310	FORENSIC CHEMISTRY - III	Sreeja T.G	Sun, 12 May 2024 17:05:16 GMT	Forensic Chemistry, Petroleum products in Forensic samples, Narcotic drugs and Psychotropic substances, Forensic Explosives, Forensic Toxicology
DSE	UK5DSECHE311	FORENSIC CHEMISTRY - IV	Sreeja T.G	Sun, 12 May 2024 17:05:16 GMT	Spectroscopy Techniques: UV-Vis, IR, NMR, Mass, AAS and Raman Principle, Procedure and application
SEC	UK5SECHE300	ANALYTICAL SKILLS	DR. ANANDAKUMAR V M	Sun, 12 May 2024 16:41:51 GMT	Concentration terms, water analysis, soil analysis, Estimation of sugar & Food analysis (T)
SEC	UK5SECHE301	PREPARATION & FORMULATION OF HERBAL PRODUCTS	DR. ANANDAKUMAR V M	Sun, 12 May 2024 16:41:51 GMT	Introduction to herbs & herbal products, formulation, analytical techniques, medicinal herbs &

					Identification of phytochemicals (T)
Semester: 6					
DSC	UK6DSCCHE300	PHYSICAL CHEMISTRY - III	Sreeja T.G	Sun, 12 May 2024 17:06:36 GMT	Electrolytic conductance, Electromotive force, Thermodynamics, Binary liquid systems and adsorption (T), Physical Chemistry experiments (P)
DSC	UK6DSCCHE302	ORGANIC CHEMISTRY - IV	Sreeja T.G	Sun, 12 May 2024 17:06:36 GMT	Organic Spectroscopy- UV-IR-NMR-Mass-Photochemistry- Pericyclic reactions- Introductory Supramolecular chemistry- Intodurctory Green chemistry
DSC	UK6DSCCHE304	PHYSICAL CHEMISTRY - IV	Sreeja T.G	Sun, 12 May 2024 17:06:36 GMT	Phase Equilibria, Chemical Kinetics & Catalysis, Chemical and Ionic Equilibria, Photochemistry & Non Spectroscopic methods of Analysis (T)
DSE	UK6DSECHE310	FORENSIC CHEMISTRY - V	Sreeja T.G	Sun, 12 May 2024 17:07:14 GMT	Introduction of Analytical Chemistry, Sampling and Separation Techniques, Safety in a Chemical Laboratory
DSE	UK6DSECHE311	FORENSIC CHEMISTRY - VI	Sreeja T.G	Sun, 12 May 2024 17:07:14 GMT	Analysis of Fingerprints and Palm Prints, Foot, Footwear, Tyre impressions, Lip Prints, Ear Prints and Their Significance and Biometrics
SEC	UK6SECHE300	CHROMATOGRAPHY	DR. ANANDAKUMAR V M	Sun, 12 May 2024 16:42:14 GMT	Separation techniques, Introduction to chromatography - Paper, TLC, Column - Applications of Chromatography (T)
SEC	UK6SECHE301	COMPUTERS IN CHEMICAL SCIENCE	DR. ANANDAKUMAR V M	Sun, 12 May 2024 16:42:14 GMT	Overview, word processing and data handling, e resources, Representation of Chemical

					structure, Chemical data bases, molecular visualization tools and file format (T)
Semester: 7					
DSC	UK7DSCCHE400	ADVANCED INORGANIC CHEMISTRY I	Sreeja T.G	Sun, 12 May 2024 17:08:33 GMT	Frontiers in Inorganic Chemistry, Advanced Coordination Chemistry, Electronic spectra of metal complexes, Magnetic spectra of metal complexes (T), Inorganic Estimations & Preparations (P)
DSC	UK7DSCCHE404	ADVANCED THEORETICAL CHEMISTRY I	Sreeja T.G	Sun, 12 May 2024 17:08:33 GMT	Quantum mechanics of translational, vibrational, rotational motions, Group theory, molecular symmetry, point groups and related theories
DSE	UK7DSECHE400	RESEARCH METHODOLOGY & ETHICS	Sreeja T.G	Sun, 12 May 2024 17:08:45 GMT	Research problem, ethics in research, research design, hypothesis, IPR, laboratory safety, data analysis, use of computers in chemistry, scientific writing and communication.