

T K M College Of Arts Science (142)

College Basket

Category	Course Code	Course Name
Discipline: FYUGP Biochemistry		
Semester: 1		
DSC	UK1DSCBCH101	Foundations of biochemistry
DSC	UK1DSCBCH104	Physical aspects of biochemistry
Semester: 2		
DSC	UK2DSCBCH100	Introduction to biomolecules
DSC	UK2DSCBCH103	Biochemistry of health and diseases
Semester: 3		
DSC	UK3DSCBCH201	Enzymes and enzyme kinetics
DSC	UK3DSCBCH204	Functional foods and nutraceuticals
DSE	UK3DSEBCH200	Nutrition for Human health
Semester: 4		
DSC	UK4DSCBCH201	Cell Biology
DSC	UK4DSCBCH203	Plant Biochemistry
DSE	UK4DSEBCH201	Industrial enzymes
INT	UK4INTBCH200	Internship
SEC	UK4SECBCH201	Diagnostic Biochemistry
Semester: 5		
DSC	UK5DSCBCH300	Bioenergetics and carbohydrate metabolism
DSC	UK5DSCBCH301	Nucleic acid, lipid and amino acid metabolism
DSC	UK5DSCBCH302	Human physiology and immunology
DSE	UK5DSEBCH300	Inborn errors of metabolism
DSE	UK5DSEBCH301	Food and Dairy Science
Semester: 6		
DSC	UK6DSCBCH300	Classical and molecular genetics
DSC	UK6DSCBCH301	Clinical biochemistry and molecular diagnostics
DSC	UK6DSCBCH305	General Informatics and Bioinformatics
DSE	UK6DSEBCH300	Microbial Biochemistry
DSE	UK6DSEBCH301	Molecular Immunology
Semester: 7		
DSC	UK7DSCBCH400	Cell Signalling

DSC	UK7DSCBCH401	Advanced techniques in biochemistry
DSE	UK7DSEBCH401	Plant tissue culture
Semester: 8		
CIP	UK8CIPBCH400	Capstone Internship
DSC	UK8DSCBCH400	Developmental Biology
DSC	UK8DSCBCH401	Pharmacology
DSC	UK8DSCBCH402	Nanomaterials for Biomedical Applications
RPH	UK8RPHBCH400	Research project

Discipline: FYUGP Botany		
Semester: 1		
DSC	UK1DSCBOT101	Plant World I (Mandatory)
DSC	UK1DSCBOT102	Introductory Botany
DSC	UK1DSCBOT103	Fundamentals and Scope of Botany
DSC	UK1DSCBOT104	Plants in Daily Life
MDC	UK1MDCBOT101	Landscaping and Gardening
MDC	UK1MDCBOT103	Botany in Forensic Science
Semester: 2		
DSC	UK2DSCBOT101	Plant World II (Mandatory)
DSC	UK2DSCBOT102	Anatomy of Flowering Plants
DSC	UK2DSCBOT105	Biomolecules
MDC	UK2MDCBOT101	Plants and Human welfare.
MDC	UK2MDCBOT102	Ecotourism
MDC	UK2MDCBOT103	Organic Farming
Semester: 3		
DSC	UK3DSCBOT201	Histology and Reproductive Botany (Mandatory)
DSC	UK3DSCBOT204	Environmental Sciences
DSC	UK3DSCBOT205	Biophysics and Biostatistics
DSE	UK3DSEBOT201	Ethnobotany & IPR
VAC	UK3VACBOT201	Green initiatives for Sustainability
Semester: 4		
DSC	UK4DSCBOT201	Lower Cryptogams, Phytopathology and Microbiology (Mandatory)
DSC	UK4DSCBOT202	Archegoniates and Paleobotany (Mandatory)

DSE	UK4DSEBOT201	Herbal Technology
INT	UK4INTBOT201	Summer Internship
SEC	UK4SECBOT201	Mushroom Cultivation
VAC	UK4VACBOT202	Biodegradable waste management.
VAC	UK4VACBOT203	Phyto-nutraceuticals
Semester: 5		
DSC	UK5DSCBOT301	Angiosperm Morphology and Plant Systematics (Mandatory)
DSC	UK5DSCBOT302	Plant Genetics (Mandatory)
DSC	UK5DSCBOT303	Cell biology and Evolutionary Biology (Mandatory)
DSE	UK5DSEBOT302	Horticulture and Nursery Management
DSE	UK5DSEBOT304	Plant Biotechnology
SEC	UK5SECBOT302	Biofertilizers and Biopesticides
Semester: 6		
DSC	UK6DSCBOT301	Plant Physiology (Mandatory)
DSC	UK6DSCBOT302	Environmental Science and Conservation Biology (Mandatory)
DSC	UK6DSCBOT303	Biochemistry and Molecular Biology (Mandatory)
DSE	UK6DSEBOT302	Phytochemistry and Drug Discovery
DSE	UK6DSEBOT304	Climate Change and Disaster Management
SEC	UK6SECBOT302	Indoor Gardening and Terrarium Techniques
Semester: 7		
DSC	UK7DSCBOT401	Methodology in Biological Research
DSC	UK7DSCBOT402	Plant Interaction and Defense Mechanism
DSE	UK7DSEBOT402	Industrial Tissue Culture
Semester: 8		
DSC	UK8DSCBOT401	Applied Aspects of Thallophytes
DSC	UK8DSCBOT403	Bioinformatics
DSC	UK8DSCBOT404	Developmental Botany
RPH	UK8RPHBOT401	Research project

Discipline: FYUGP Chemistry

Semester: 1		
DSC	UK1DSCCHE100	INORGANIC CHEMISTRY I
DSC	UK1DSCCHE101	FUNDAMENTALS OF CHEMISTRY I

DSC	UK1DSCCHE102	CHEMICAL FRONTIERS – BONDING TO ENVIRONMENTAL PERSPECTIVES
DSC	UK1DSCCHE104	GENERAL INORGANIC CHEMISTRY
DSC	UK1DSCCHE105	GENERAL CHEMISTRY I
MDC	UK1MDCCHE100	FUNDAMENTAL ASPECTS OF ENVIRONMENTAL CHEMISTRY
MDC	UK1MDCCHE101	POLYMERS & BIOPOLYMERS
Semester: 2		
DSC	UK2DSCCHE100	ORGANIC CHEMISTRY - I
DSC	UK2DSCCHE101	FUNDAMENTALS OF CHEMISTRY II
DSC	UK2DSCCHE102	ESSENTIALS OF INORGANIC CHEMISTRY
DSC	UK2DSCCHE104	BIO ORGANIC CHEMISTRY & COLLOIDS
DSC	UK2DSCCHE105	BIOMOLECULES & BIOPHYSICAL CHEMISTRY - I
MDC	UK2MDCCHE100	CHEMISTRY IN EVERYDAY LIFE
MDC	UK2MDCCHE101	FOOD CHEMISTRY
Semester: 3		
DSC	UK3DSCCHE200	PHYSICAL CHEMISTRY - I
DSC	UK3DSCCHE201	ESSENTIALS OF PHYSICAL CHEMISTRY
DSC	UK3DSCCHE202	CHEMICAL INSIGHTS: FROM SOIL TO PETROCHEMICALS
DSC	UK3DSCCHE203	NATURAL PRODUCT CHEMISTRY
DSC	UK3DSCCHE205	BIOMOLECULES & BIOPHYSICAL CHEMISTRY - II
DSE	UK3DSECHE201	CHEMISTRY FOR RENEWABLE & CLEAN ENERGY - I
DSE	UK3DSECHE206	CHEMISTRY OF NANOMATERIALS - I
VAC	UK3VACCHE200	LABORATORY SAFETY
Semester: 4		
DSC	UK4DSCCHE200	INORGANIC CHEMISTRY II
DSC	UK4DSCCHE202	ORGANIC CHEMISTRY - II
DSE	UK4DSECHE201	CHEMISTRY FOR RENEWABLE & CLEAN ENERGY - II
DSE	UK4DSECHE206	CHEMISTRY OF NANOMATERIALS - II
INT	UK4INTCHE200	SUMMER INTERNSHIP
SEC	UK4SECHE200	WATER QUALITY ANALYSIS
SEC	UK4SECHE201	PRACTICAL SKILLS IN CHEMISTRY
VAC	UK4VACCHE200	SUSTAINABLE CHEMISTRY

VAC	UK4VACCHE201	SCIENTIFIC COMMUNICATION & ETHICS
Semester: 5		
DSC	UK5DSCCHE300	INORGANIC CHEMISTRY III A
DSC	UK5DSCCHE302	PHYSICAL CHEMISTRY II
DSC	UK5DSCCHE304	ORGANIC CHEMISTRY - III
DSE	UK5DSECHE302	CHEMISTRY FOR RENEWABLE & CLEAN ENERGY- III
DSE	UK5DSECHE303	CHEMISTRY FOR RENEWABLE & CLEAN ENERGY - IV
DSE	UK5DSECHE312	CHEMISTRY OF NANOMATERIALS - III
DSE	UK5DSECHE313	CHEMISTRY OF NANOMATERIALS - IV
SEC	UK5SECCHE300	ANALYTICAL SKILLS
Semester: 6		
DSC	UK6DSCCHE300	PHYSICAL CHEMISTRY - III
DSC	UK6DSCCHE302	ORGANIC CHEMISTRY - IV
DSC	UK6DSCCHE304	PHYSICAL CHEMISTRY - IV
DSE	UK6DSECHE302	CHEMISTRY FOR RENEWABLE & CLEAN ENERGY - V
DSE	UK6DSECHE303	CHEMISTRY FOR RENEWABLE & CLEAN ENERGY - VI
DSE	UK6DSECHE312	CHEMISTRY OF NANOMATERIALS - V
DSE	UK6DSECHE313	CHEMISTRY OF NANOMATERIALS - VI
SEC	UK6SECCHE300	CHROMATOGRAPHY
SEC	UK6SECCHE301	COMPUTERS IN CHEMICAL SCIENCE
Semester: 7		
DSC	UK7DSCCHE402	ADVANCED ORGANIC CHEMISTRY
DSC	UK7DSCCHE404	ADVANCED THEORETICAL CHEMISTRY I
DSE	UK7DSECHE400	RESEARCH METHODOLOGY & ETHICS
Semester: 8		
CIP	UK8CIPCHE400	CAPSTONE INTERNSHIP PROJECT
RPH	UK8RPHCHE400	Honours with research project

Discipline: FYUGP Commerce		
Semester: 1		
MDC	UK1MDCCOM101	Fundamentals of Investment
Semester: 2		
MDC	UK2MDCCOM101	Investing in Stock Market

Semester: 3		
VAC	UK3VACCOM200	Business and Professional Ethics
Semester: 4		
SEC	UK4SECCOM201	Digital Media Marketing
VAC	UK4VACCOM200	Consumer Rights and Protection
VAC	UK4VACCOM201	Sustainable Business Practices
Semester: 5		
SEC	UK5SECCOM300	Data Analysis and Visualization in Finance
SEC	UK5SECCOM301	Forensic Accounting and Fraud Detection
Semester: 6		
SEC	UK6SECCOM301	Stock Market Operations
Discipline: FYUGP Commerce – Business Information Systems Stream		
Semester: 1		
DSC	UK1DSCCOM100	Accounting Principles and Standards (Mandatory)
DSC	UK1DSCCOM101	Management Concepts and Practices
DSC	UK1DSCCOM102	Business Communication and Documentation
DSC	UK1DSCCOM104	Indian Financial System
Semester: 2		
DSC	UK2DSCCOM100	Financial Accounting (Mandatory)
DSC	UK2DSCCOM101	Functional Management
DSC	UK2DSCCOM103	Motivation and Leadership in Business
DSC	UK2DSCCOM104	Practices of Banking and Insurance
Semester: 3		
DSC	UK3DSCCOM201	Corporate Accounting
DSC	UK3DSCCOM202	Entrepreneurship Development
DSC	UK3DSCCOM204	Principles of Marketing
DSE	UK3DSECOM203	Computer Application in Business
Semester: 4		
DSC	UK4DSCCOM200	Business Statistics
DSC	UK4DSCCOM203	Innovation and Start-ups
DSE	UK4DSECOM203	Software for Data Analysis
INT	UK4INTCOM200	Summer internship
Semester: 5		
DSC	UK5DSCCOM301	Fundamentals of Income Tax
DSC	UK5DSCCOM302	Cost Accounting (Mandatory)
DSC	UK5DSCCOM304	Logistics and Supply Chain Management

DSE	UK5DSECOM306	Computerised Accounting
DSE	UK5DSECOM307	Project Methodology
Semester: 6		
DSC	UK6DSCCOM300	GST: Law and Practice
DSC	UK6DSCCOM301	Financial Statement Analysis
DSC	UK6DSCCOM303	Auditing Principles and Practices (Mandatory)
DSE	UK6DSECOM306	Advanced Tools for Business Analysis
DSE	UK6DSECOM307	Web Technology in Business
Semester: 7		
DSC	UK7DSCCOM400	Statistics for Business Research
DSC	UK7DSCCOM402	Strategic Financial Management
DSE	UK7DSECOM403	Database Management System
Semester: 8		
CIP	UK8CIPCOM400	Semester Internship
RPH	UK8RPHCOM400	Research Project
Discipline: FYUGP Commerce - Finance Stream		
Semester: 1		
DSC	UK1DSCCOM100	Accounting Principles and Standards (Mandatory)
DSC	UK1DSCCOM101	Management Concepts and Practices
DSC	UK1DSCCOM102	Business Communication and Documentation
DSC	UK1DSCCOM104	Indian Financial System
Semester: 2		
DSC	UK2DSCCOM100	Financial Accounting (Mandatory)
DSC	UK2DSCCOM101	Functional Management
DSC	UK2DSCCOM103	Motivation and Leadership in Business
DSC	UK2DSCCOM104	Practices of Banking and Insurance
Semester: 3		
DSC	UK3DSCCOM201	Corporate Accounting
DSC	UK3DSCCOM202	Entrepreneurship Development
DSC	UK3DSCCOM204	Principles of Marketing
DSE	UK3DSECOM200	Investment Management
Semester: 4		
DSC	UK4DSCCOM200	Business Statistics
DSC	UK4DSCCOM203	Innovation and Start-ups
DSE	UK4DSECOM200	Financial Markets and Services

INT	UK4INTCOM200	Summer internship
Semester: 5		
DSC	UK5DSCCOM301	Fundamentals of Income Tax
DSC	UK5DSCCOM302	Cost Accounting (Mandatory)
DSC	UK5DSCCOM304	Logistics and Supply Chain Management
DSE	UK5DSECOM300	Stock Exchanges: Operations and Regulations
DSE	UK5DSECOM301	FINTECH
Semester: 6		
DSC	UK6DSCCOM300	GST: Law and Practice
DSC	UK6DSCCOM301	Financial Statement Analysis
DSC	UK6DSCCOM303	Auditing Principles and Practices (Mandatory)
DSE	UK6DSECOM300	Security Analysis and Portfolio Management
DSE	UK6DSECOM301	Financial Derivatives
Semester: 7		
DSC	UK7DSCCOM400	Statistics for Business Research
DSC	UK7DSCCOM402	Strategic Financial Management
DSE	UK7DSECOM400	Behavioural Finance
Semester: 8		
CIP	UK8CIPCOM400	Semester Internship
RPH	UK8RPHCOM400	Research Project

Discipline: FYUGP Economics		
Semester: 1		
DSC	UK1DSCECO103	Issues of Indian Economy
DSC	UK1DSCECO104	Regional Economics
MDC	UK1MDCECO100	Economics for Everyone
Semester: 2		
DSC	UK2DSCECO103	Managerial Economics
DSC	UK2DSCECO105	Economic History of India
MDC	UK2MDCECO100	Global Economic Issues
Semester: 3		
DSC	UK3DSCECO201	Human Resource Planning
DSC	UK3DSCECO204	Money and Banking
VAC	UK3VACECO200	Environment and Climate Change
Semester: 4		

INT	UK4INTECO200	Internship (Mandatory)
SEC	UK4SECECO201	Logistics and Transportation Economics
VAC	UK4VACECO200	Public Policy, Value and Ethics
VAC	UK4VACECO201	Women and Development
Semester: 5		
SEC	UK5SECECO300	Start-Up Management
Semester: 6		
SEC	UK6SECECO300	Introduction to Academic Writing in Social Science

Discipline: FYUGP Economics and Mathematics		
Semester: 1		
DSC	UK1DSCECO100	Principles of Economics (Mandatory)
DSC	UK1DSCECO101	Fundamentals of Micro Economics
DSC	UK1DSCMAT108	Differential Calculus
Semester: 2		
DSC	UK2DSCECO101	Fundamentals of Macroeconomics
DSC	UK2DSCMAT108	Integral Calculus and Series
DSC	UK2DSCMAT109	Matrices and Linear Equations
Semester: 3		
DSC	UK3DSCECO200	Microeconomics-1 (Mandatory)
DSC	UK3DSCMAT208	Geometry, Multivariate and Vector Calculus
DSC	UK3DSCMAT211	Discrete Mathematics
DSE	UK3DSEECO200	Behavioral Economics
Semester: 4		
DSC	UK4DSCECO200	Macroeconomics -1 (Mandatory)
DSC	UK4DSCMAT201	Partial Differentiation and Introduction to Abstract Algebra
DSE	UK4DSEECO201	Foundations of Data Science
Semester: 5		
DSC	UK5DSCECO300	Indian Economy (Mandatory)
DSC	UK5DSCECO302	Statistical Methods for Economics (Mandatory)
DSC	UK5DSCMAT302	Abstract Algebra
DSE	UK5DSEECO302	Artificial Intelligence and Machine Learning In Economics
DSE	UK5DSEMAT303	Optimization Techniques
Semester: 6		

DSC	UK6DSCECO300	Econometrics -I (Mandatory)
DSC	UK6DSCMAT301	Complex Analysis I
DSC	UK6DSCMAT302	Linear Algebra
DSE	UK6DSEECO302	Gender Economics
DSE	UK6DSEMAT302	Stochastic Processes
Semester: 7		
DSC	UK7DSCECO400	Microeconomics-II
DSC	UK7DSCECO401	Macroeconomics-II
DSC	UK7DSCMAT400	Topology
DSE	UK7DSEECO402	Econometrics II
Semester: 8		
RPH	UK8RPHECO400	Research Project

Discipline: FYUGP English		
Semester: 1		
AEC	UK1AECENG104	Business Communication I
AEC	UK1AECENG105	Reflections on Language, Literature, and Society 1
AEC	UK1AECENG108	Literature, Language, and Culture I
AEC	UK1AECENG110	Reading Literature I
AEC	UK1AECENG111	Technology, Science, and Imagination I
AEC	UK1AECENG112	English Grammar and Communication
DSC	UK1DSCENG100	Introduction to Literary Studies
DSC	UK1DSCENG101	Reading Cinema
MDC	UK1MDCENG100	Pop Culture
Semester: 2		
AEC	UK2AECENG104	Business Communication II
AEC	UK2AECENG105	Reflections on Language, Literature, and Society 2
AEC	UK2AECENG108	Literature, Language, and Culture II
AEC	UK2AECENG110	Reading Literature II
AEC	UK2AECENG111	Technology, Science, and Imagination II
AEC	UK2AECENG112	English Grammar and Communication
DSC	UK2DSCENG102	Popular Literature
DSC	UK2DSCENG103	Narratives of Social Struggle, Resistance and Justice
MDC	UK2MDCENG102	New Media and Society

Semester: 3		
DSC	UK3DSCENG201	British Literature: Anglo-Saxons to the Puritans
DSC	UK3DSCENG204	Film and Literature
DSE	UK3DSEENG201	AI and Digital Literature
MDC	UK3MDCENG200	Kerala Studies-History and Society
MDC	UK3MDCENG201	Kerala Studies-Art and Culture
MDC	UK3MDCENG202	KERALA IN CONTEXT
VAC	UK3VACENG201	ENVIRONMENTAL NARRATIVES
Semester: 4		
DSC	UK4DSCENG202	British Literature: Augustans to Victorians
DSC	UK4DSCENG205	Literary Criticism
DSE	UK4DSEENG202	Brand Narratives
INT	UK4INTENG200	summer internship
SEC	UK4SECENG200	English for Employability
VAC	UK4VACENG200	Cinema and the Art of Communication
VAC	UK4VACENG202	Securing a Sustainable Future
Semester: 5		
DSC	UK5DSCENG300	20th and 21st Century British Literature
DSC	UK5DSCENG303	Introduction to Literary Theory
DSC	UK5DSCENG304	Indian Literature
DSE	UK5DSEENG300	Malayali Voices in English
DSE	UK5DSEENG305	The Art of Podcasting
SEC	UK5SECENG300	English for Professional Communication
SEC	UK5SECENG301	Personality Development and Communication Mastery for Career Success
Semester: 6		
DSC	UK6DSCENG300	Postcolonial Literatures
DSC	UK6DSCENG305	Trauma Narratives
DSC	UK6DSCENG306	Linguistics
DSE	UK6DSEENG300	Critical Review for Media
DSE	UK6DSEENG301	Travel Literature
DSE	UK6DSEENG302	Health Humanities
SEC	UK6SECENG300	Writing for Print Media
SEC	UK6SECENG301	Developing and Curating Digital content
Semester: 7		

DSC	UK7DSCENG400	Cultural Studies
DSC	UK7DSCENG401	Research Methodology for Humanities
DSE	UK7DSEENG401	Voices of Resistance
Semester: 8		
CIP	UK8CIPENG400	Internship Project
RPH	UK8RPHENG400	Research Project

Discipline: FYUGP History		
Semester: 1		
DSC	UK1DSCCHIS103	History of Human Rights Movements
Semester: 2		
DSC	UK2DSCCHIS103	Environmental History of Modern India
Semester: 3		
DSC	UK3DSCCHIS200	State and Society in Ancient India
VAC	UK3VACHIS201	History for Better Living
Semester: 4		
VAC	UK4VACHIS200	Gender Rights in Modern India

Discipline: FYUGP Islamic History		
Semester: 1		
DSC	UK1DSCISH100	Introduction to the West Asian History (Mandatory)
DSC	UK1DSCISH102	Religion and Society in the Arab World
MDC	UK1MDCISH101	Sociology of Islam
Semester: 2		
DSC	UK2DSCISH103	Islamic Civilization: Period of Transition
DSC	UK2DSCISH105	Kerala Muslims in Anti - Colonial Struggle
Semester: 3		
DSC	UK3DSCISH200	The Golden Era of Islamic Civilization (Mandatory)
DSC	UK3DSCISH201	Human Resource Development in Islam
DSE	UK3DSEISH200	Interfaith Dialogue: Hinduism and Islam in Kerala
Semester: 4		
DSC	UK4DSCISH203	Advent of Islam in the Western Europe (Mandatory)
DSC	UK4DSCISH204	Political History of Medieval India (Mandatory)
DSE	UK4DSEISH202	Muslim Organizations and Movements in Kerala
INT	UK4INTISH204	Summer Internship
Semester: 5		

DSC	UK5DSCISH300	The Ottomans: A Legacy in Turkish History
DSC	UK5DSCISH302	Global Islam: Trends and Movements (Mandatory)
DSC	UK5DSCISH305	Nationalism in West Asia during the Inter War Period
DSE	UK5DSEISH300	Waqf Management
DSE	UK5DSEISH301	Resurgence and Reform: Contemporary Islamic Movements
Semester: 6		
DSC	UK6DSCISH306	Muslim Historiography and Research Methodology
DSC	UK6DSCISH307	Contemporary West Asia in the Global Arena
DSC	UK6DSCISH308	Petty Dynasties - Mamluks, Fatimids and Ayyubids
DSE	UK6DSEISH303	Islamic Heritage in Kerala: Mosques, Monuments and Maritime Routes
DSE	UK6DSEISH304	Policies and Governance in Medieval India
Semester: 7		
DSC	UK7DSCISH400	Islam in North Africa
DSC	UK7DSCISH401	Arab Intellectual Tradition (Mandatory)
DSE	UK7DSEISH400	Development of Administrative Institutions in Islam
Semester: 8		
DSC	UK8DSCISH405	Methods and Methodology in Social Science
DSC	UK8DSCISH406	Comparative Religion -Harmony and Co-operation
DSC	UK8DSCISH407	Vernacular Islamic Heritage and Traditions
RPH	UK8RPHISH400	Research Project

Discipline: FYUGP Mathematics		
Semester: 1		
DSC	UK1DSCMAT100	Foundations of Mathematics
DSC	UK1DSCMAT101	Differential Calculus and Linear Algebra
DSC	UK1DSCMAT102	Differentiation, Sequence and Series
MDC	UK1MDCMAT100	Numerical Ability - I
Semester: 2		
DSC	UK2DSCMAT100	Theory of equations, Differential Calculus and Geometry
DSC	UK2DSCMAT101	Integration and Multivariate Calculus
DSC	UK2DSCMAT104	Integral Calculus and Ordinary Differential Equations
MDC	UK2MDCMAT100	Numerical Ability- II

MDC	UK2MDCMAT103	Introduction to Modular Arithmetic and Cryptography
Semester: 3		
DSC	UK3DSCMAT200	Integral Calculus and Foundations of Vector Calculus
DSC	UK3DSCMAT202	Group Theory and Probability
DSC	UK3DSCMAT207	Applications of Integration, Special Functions and Fourier Series
DSE	UK3DSEMAT201	Numerical Analysis
VAC	UK3VACMAT200	Introduction to Actuarial Mathematics
Semester: 4		
DSC	UK4DSCMAT200	Introduction to Real Analysis and Multiple Integrals
DSC	UK4DSCMAT201	Partial Differentiation and Introduction to Abstract Algebra
DSE	UK4DSEMAT200	Elementary Graph Theory
INT	UK4INTMAT200	Summer Internship
SEC	UK4SECMAT200	Typesetting Documents with LATEX
VAC	UK4VACMAT200	Introduction to Mathematical Modeling
Semester: 5		
DSC	UK5DSCMAT300	Differential Equations and Vector Calculus
DSC	UK5DSCMAT301	Real Analysis - I
DSC	UK5DSCMAT302	Abstract Algebra
DSE	UK5DSEMAT300	Intermediate Graph Theory
DSE	UK5DSEMAT303	Optimization Techniques
SEC	UK5SECMAT300	Programming with Python
Semester: 6		
DSC	UK6DSCMAT300	Real Analysis - II
DSC	UK6DSCMAT301	Complex Analysis I
DSC	UK6DSCMAT302	Linear Algebra
DSE	UK6DSEMAT301	Partial Differential Equations
DSE	UK6DSEMAT304	Integral Transforms
SEC	UK6SECMAT300	Programming with R
Semester: 7		
DSC	UK7DSCMAT400	Topology
DSC	UK7DSCMAT401	Complex Analysis - II
DSE	UK7DSEMAT401	Functional Analysis
Semester: 8		
CIP	UK8CIPMAT400	Capstone project

Discipline: FYUGP Physical Education		
Semester: 3		
VAC	UK3VACPES202	EXERCISE AND DIET IN WEIGHT MANAGEMENT
Semester: 4		
SEC	UK4SECPES201	SPORTS INFRASTRUCTURE AND EVENT MANAGEMENT
VAC	UK4VACPES200	LIFESTYLE MANAGEMENT AND HEALTHY AGING
Semester: 6		
SEC	UK6SECPES300	ESSENTIALS OF EXERCISE AND STRENGTH TRAINING

Discipline: FYUGP Physics		
Semester: 1		
DSC	UK1DSCPHY100	Foundation Course in Physics-I
DSC	UK1DSCPHY101	Principles of Dynamics
DSC	UK1DSCPHY102	Properties of Solids
DSC	UK1DSCPHY103	Introduction to Mechanics and Energy resources
MDC	UK1MDCPHY103	Physics in Arts and Sports
Semester: 2		
DSC	UK2DSCPHY100	Foundation Course in Physics-II
DSC	UK2DSCPHY101	Electricity, Magnetism and Acoustics
DSC	UK2DSCPHY102	Optics and Thermodynamics
DSC	UK2DSCPHY103	Modern Physics
MDC	UK2MDCPHY102	Beyond the Sky
Semester: 3		
DSC	UK3DSCPHY201	Digital Electronics and Datascience
DSC	UK3DSCPHY202	Solid State Physics and Spectroscopy
DSE	UK3DSEPHY202	Basics of Nanoscience and Nanotechnology
DSE	UK3DSEPHY204	Introduction to medical physics
VAC	UK3VACPHY201	Introduction to laboratory safety measurements
Semester: 4		
DSC	UK4DSCPHY200	Classical Dynamics (Mandatory)
DSC	UK4DSCPHY201	Electromagnetics and Transient Currents (Mandatory)
DSE	UK4DSEPHY202	Synthesis of Nanomaterials
DSE	UK4DSEPHY204	Physics of Medical Diagnostics

INT	UK4INTPHY200	Internship
SEC	UK4SECPHY200	Basic Instrumentation Skills
VAC	UK4VACPHY200	Introductory course on physics in financial market
VAC	UK4VACPHY201	Research and Publication Ethics
Semester: 5		
DSC	UK5DSCPHY300	Optics (Mandatory)
DSC	UK5DSCPHY301	Quantum Mechanics - I (Mandatory)
DSC	UK5DSCPHY302	Thermodynamics & Statistical Mechanics (Mandatory)
DSE	UK5DSEPHY302	Characterization of Nano Materials
DSE	UK5DSEPHY304	Physical Aspects of Therapeutics
SEC	UK5SECPHY302	Programming in Python
Semester: 6		
DSC	UK6DSCPHY300	Atomic & Molecular Physics (Mandatory)
DSC	UK6DSCPHY301	Nuclear & Particle Physics (Mandatory)
DSC	UK6DSCPHY302	Solid State Physics (Mandatory)
DSE	UK6DSEPHY302	Nanotechnology For Energy Conversion and Storage Devices
DSE	UK6DSEPHY304	Practical Medical Physics
SEC	UK6SECPHY302	Scientific writing
Semester: 7		
DSC	UK7DSCPHY400	Advanced Mathematical Physics
DSC	UK7DSCPHY401	Quantum Mechanics-II
DSE	UK7DSEPHY401	Environmental Sustainability of Nanomaterials
Semester: 8		
CIP	UK8CIPPHY400	Capstone Internship
RPH	UK8RPHPHY400	Research Project

Discipline: FYUGP Statistics		
Semester: 1		
DSC	UK1DSCSTA109	DESCRIPTIVE STATISTICS AND PROBABILITY
MDC	UK1MDCSTA101	EXPERIMENTAL DESIGNS FOR SCIENCE
Semester: 2		
DSC	UK2DSCSTA109	STANDARD DISTRIBUTIONS, CORRELATION AND REGRESSION
MDC	UK2MDCSTA101	BIVARIATE AND CATEGORICAL DATA ANALYSIS
Semester: 3		

DSC	UK3DSCSTA208	STATISTICAL INFERENCE
VAC	UK3VACSTA201	DATA VISUALISATION AND INTERPRETATION
Semester: 4		
SEC	UK4SECSTA202	STATISTICAL ANALYSIS USING R
VAC	UK4VACSTA203	DATA ANALYSIS USING SPREADSHEETS

Discipline: FYUGP Zoology		
Semester: 1		
DSC	UK1DSCZOO101	Non-Chordate Diversity -Part I (Mandatory)
DSC	UK1DSCZOO102	Diversity of Non-Chordates (Mandatory)
DSC	UK1DSCZOO103	Wildlife Biology and Conservation
Semester: 2		
DSC	UK2DSCZOO101	Non-Chordate Diversity -Part II (Mandatory)
DSC	UK2DSCZOO102	Wildlife Ecology
DSC	UK2DSCZOO103	Aquatic Ecosystems and Sustainable Mangement
Semester: 3		
DSC	UK3DSCZOO201	Chordate Diversity -Part I (Mandatory)
DSC	UK3DSCZOO202	Diversity of Chordates (Mandatory)
DSC	UK3DSCZOO203	Concepts of Ethology
DSE	UK3DSEZOO201	Fisheries Science I-Taxonomy and Fishery Biology
Semester: 4		
DSC	UK4DSCZOO201	Chordate Diversity -Part II (Mandatory)
DSC	UK4DSCZOO202	Evolution and Zoogeography (Mandatory)
DSE	UK4DSEZOO201	Fisheries Science II-Principles of Aquaculture
INT	UK4INTZOO200	Summer Internship
Semester: 5		
DSC	UK5DSCZOO301	Developmental Biology (Mandatory)
DSC	UK5DSCZOO302	Animal Physiology (Mandatory)
DSC	UK5DSCZOO304	Agrochemicals and Agricultural Pest Management
DSE	UK5DSEZOO301	Ecology and Disaster Management (Mandatory)
DSE	UK5DSEZOO302	Fisheries Science III- Culture of Finfishes and Shellfishes
Semester: 6		
DSC	UK6DSCZOO301	Cell and Molecular Biology (Mandatory)
DSC	UK6DSCZOO302	Genetics and Biotechnology (Mandatory)

DSC	UK6DSCZOO304	Nanobiology
DSE	UK6DSEZOO301	Animal Behaviour and Chronobiology (Mandatory)
DSE	UK6DSEZOO302	Fisheries Science IV- Fish processing Technologies
SEC	UK6SECZOO301	Ornamental Fish production and Aquarium Management
Semester: 7		
DSC	UK7DSCZOO401	Instrumentation and Biological Techniques
DSC	UK7DSCZOO402	Omics and Bioinformatics
DSE	UK7DSEZOO401	Research Methodology and Biostatistics (Mandatory)
Semester: 8		
RPH	UK8RPHZOO400	Project

Discipline: FYUGP Arabic

Semester: 1

AEC	UK1AECARA100	Communicative Arabic - I
AEC	UK1AECARA101	Functional Arabic - I
AEC	UK1AECARA102	Basic Arabic I
MDC	UK1MDCARA100	An Introduction to Gulf Arabic

Semester: 2

AEC	UK2AECARA100	Communicative Arabic - II
AEC	UK2AECARA101	Functional Arabic - II
AEC	UK2AECARA102	Basic Arabic II
MDC	UK2MDCARA100	Spoken Arabic

Semester: 3

MDC	UK3MDCARA200	Arabic Heritage in Kerala
-----	--------------	---------------------------

Semester: 4

SEC	UK4SECARA200	Translation in Arabic
-----	--------------	-----------------------

Semester: 5

SEC	UK5SECARA300	Translation: Theory & Practice
-----	--------------	--------------------------------

Semester: 6

SEC	UK6SECARA300	Professional Translation
-----	--------------	--------------------------

Discipline: FYUGP Hindi**Semester: 1**

AEC	UK1AECHIN100	HINDI EKANKI
-----	--------------	--------------

AEC	UK1AECHIN101	HINDI KAHANI
-----	--------------	--------------

AEC	UK1AECHIN102	HINDI KAVITA
-----	--------------	--------------

MDC	UK1MDCHIN100	MEETHI HINDI
-----	--------------	--------------

Semester: 2

AEC	UK2AECHIN100	HINDI SANRACHNA AUR WEB LEKHAN
-----	--------------	--------------------------------

AEC	UK2AECHIN101	JEEVANI, AATMAKATHA AUR SOCIAL MEDIA
-----	--------------	--------------------------------------

AEC	UK2AECHIN102	VYAVAHARIK HINDI
-----	--------------	------------------

MDC	UK2MDCHIN100	GLOBAL HINDI
-----	--------------	--------------

Semester: 3

MDC	UK3MDCHIN200	KERAL KI KALAYEIN
-----	--------------	-------------------

MDC	UK3MDCHIN201	KERAL KE TYOHAR
-----	--------------	-----------------

VAC	UK3VACHIN200	PRAKRUTI KE SAATH
-----	--------------	-------------------

Semester: 4

SEC	UK4SECHIN201	BOLCHAL KI HINDI
-----	--------------	------------------

VAC	UK4VACHIN200	BAHUMULYA KAHANIYAN
-----	--------------	---------------------

VAC	UK4VACHIN201	GANDHI MERE BHEETAR
-----	--------------	---------------------

Semester: 5

SEC	UK5SECHIN301	CREATIVE WRITING IN HINDI
-----	--------------	---------------------------

Semester: 6

SEC	UK6SECHIN300	ART OF ADVERTISEMENT
-----	--------------	----------------------

Discipline: FYUGP Malayalam

Semester: 1

AEC	UK1AECMAL100	ഭാഷാകേളീപഠനം
AEC	UK1AECMAL104	ജനപ്രിയഭാഷാ - വ്യവഹാരങ്ങൾ
AEC	UK1AECMAL107	കഥാലോകം

MDC	UK1MDCMAL101	മാധ്യമപഠനം
-----	--------------	------------

Semester: 2

AEC	UK2AECMAL100	പ്രചോദനാത്മകസാഹിത്യം
AEC	UK2AECMAL102	കേരളീയ ഭക്ഷ്യസംസ്കൃതി
AEC	UK2AECMAL103	കേരളീയ ഗാനപാരമ്പര്യം
MDC	UK2MDCMAL101	അതിജീവനസാഹിത്യം

Semester: 3

MDC	UK3MDCMAL201	കേരളം - ഭാഷ - സാഹിത്യം - കല
MDC	UK3MDCMAL202	കേരളത്തിന്റെ കാർഷിക സംസ്കൃതിയും ഭക്ഷ്യസുരക്ഷാ അവബോധവും
VAC	UK3VACMAL200	ഭിന്നശേഷിപഠനം

Semester: 4

VAC	UK4VACMAL200	മാനവിക മലയാളം
VAC	UK4VACMAL201	ഹരിത സൗന്ദര്യ ശാസ്ത്രം
VAC	UK4VACMAL202	ടൂറിസവും സാംസ്കാരിക വിനിമയവും

Semester: 5

SEC	UK5SECMAL300	ഇ - കണ്ടന്റ് മലയാളം
-----	--------------	---------------------

Semester: 6

SEC	UK6SECMAL300	പ്രസാധനവും വിപണനവും
-----	--------------	---------------------