



MINUTES

OF

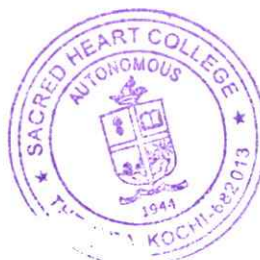
25th ACADEMIC COUNCIL MEETING

Date: Thursday, 13th June 2024

Time: 02.30 P.M.

Venue: Hadrian Hall

Prigun
Chairman
Academic Council
S.H. College (Autonomous)
Thevara, Kochi-682013



John
Secretary
Academic Council
S.H. College (Autonomous)
Thevara, Kochi-682013

Secretary
Academic Council
S.H. College (Autonomous)
Puducherry-605 006

Chairman
Academic Council
S.H. College (Autonomous)
Puducherry-605 006

Agenda	
Item No	Items
	Prayer
	Welcome
	Leave of absence
1	Minutes of the meeting of the Academic Council held on 18.03.2024 and discussion on items arising out of the minutes.
2	Undergraduate(Honours) Programmes – Distribution of Marks
3	Undergraduate(Honours) Programme- List of courses and Syllabus
4	Teaching of Courses of Integrated M.Sc Computer Science(Data Science) - 7th Semester.
5	Corrections in the syllabus of MSc Computer Science (Artificial Intelligence)
6	Concessions to Persons With Disabilities in oral (viva -voce) examinations- Endorsement of University order
7	Other matters, if any, with the consent of the chair

Members present

S.No.	Name
1	Dr. C. S. Biju (Principal)
2	Fr.(Dr.) Joseph Varghese CMI
3	Justice K Abraham Mathew
4	Dr. Franklin J.
5	Cmde. N Anil Joseph
6	C.A Vivek Krishna Govind
7	Dr. C.S Francis

- 8 Mr. Ebin P.J.
- 9 Dr. Sumod S.G.
- 10 Dr. Aravind R Nair
- 11 Dr. Midhun Dominic C.D.
- 12 Dr. Jinu George
- 13 Dr. Asha Achi Joseph
- 14 Dr. Tessa Mary Jose
- 15 Dr. Sanu Varghese
- 16 Ms. Achamma Cherian
- 17 Dr. Sibi Abraham
- 18 Mr. Jeet Kurian Mattom
- 19 Dr. Roby Cherian
- 20 Mr. Jobin C.Tharian
- 21 Mr. Sanjose A Thomas
- 22 Dr. Lakshmipriya R
- 23 Dr. T.J. James
- 24 Ms. Ajisha Sara Mohan
- 25 Mr. Kishore Kumar P
- 26 Mr.Sekhar Pankajakshan
- 27 Dr. Sandeep Sunny
- 28 Dr. Jisna N
- 29 Dr. Vishnu Raj P
- 30 Dr. Anu Thottappilly
- 31 Mr. Bijo N Mathew
- 32 Dr. Shoba Liza John
- 33 Dr. Ignatious Abraham
- 34 Mr. Sujith Narayanan
- 35 Mr. Syamlal M.S.
- 36 Mr. Babu joseph
- 37 Dr. Cyriac Antony
- 38 Dr. June Cyriac (Secretary)

Prayer: The meeting started at 2.30 PM with a silent prayer.

Welcome: Chairman of the meeting Dr.C.S. Biju introduced himself and the newly nominated members of the Academic Council and welcomed all the members to the meeting. He also mentioned that the main agenda of the meeting is to finalise the Syllabus of the Four Year Undergraduate (Hons)Programmes which is to be implemented from this academic year onwards.

Agenda Item No.1: Minutes (already circulated) of the meeting of Academic Council held on 18.03.2024 and discussion on items arising out of the minutes.

The Academic Council approved the minutes of the meeting held on 18.03.2024

Agenda Item No.2: Undergraduate(Honours) Programmes – Distribution of Marks

The Academic Council meeting held on 18.03.2024 approved 'THE SACRED HEART COLLEGE (AUTONOMOUS) UNDERGRADUATE PROGRAMMES (HONOURS) REGULATIONS, 2024 {SHC-UGP (Honours)}'. But, in the regulations, there is no clarity in the distribution of marks between the Continuous Comprehensive Assessment (CCA) and the End Semester Evaluation. So, the following division of marks is proposed.

Mark Distribution for Assessment of SHC-UGP(Hons.) Courses

• **Mark Distribution for a 4 Credit Courses without Practical:**

a) Marks of End Semester Evaluation (ESE)	:	70
b) Marks of Continuous Comprehensive Assessment (CCA)	:	30
Total Marks	:	100

• **Mark Distribution for a 4 Credit Courses with Practical:**

Theory (3 Credits):

a) Marks of End Semester Evaluation (ESE)	:	50
b) Marks of Continuous Comprehensive Assessment (CCA)	:	25

Practical (1 Credit):

a) Marks of End Semester Evaluation (ESE)	:	20
b) Marks of Continuous Comprehensive Assessment (CCA)	:	05
Total Marks	:	100

• **Mark Distribution for a 3 Credit Courses without Practical:**

a) Marks of End Semester Evaluation (ESE)	:	50
b) Marks of Continuous Comprehensive Assessment (CCA)	:	25
Total Marks	:	75

• **Mark Distribution for 3 Credit Courses with Practical:**

Theory (2 Credits):

a) Marks of End Semester Evaluation (ESE)	:	35
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b) Marks of Continuous Comprehensive Assessment (CCA) : 15

Practical (1 Credit):

a) Marks of End Semester Evaluation (ESE) : 20

b) Marks of Continuous Comprehensive Assessment (CCA) : 05

Total Marks : 75

Evaluation of Courses with Practicum Components:

The courses with practicum components can be evaluated as follows:

- For courses where a separate end-semester evaluation (ESE) is not required for practicum, the practicum evaluation can be included as a component of the Continuous Comprehensive Assessment (CCA). The course coordinator can determine the marks for the CCA practicum component. The end-semester evaluation will be conducted exclusively for the theory component of the course.
- For courses requiring a separate end-of-semester evaluation for practicum, the mark distribution can follow the guidelines for courses with practicals.

The Academic Council approved the above proposals

Agenda Item No. 3: Undergraduate(Honours) Programme- List of courses and Syllabus

The Academic Council meeting held on 18.03.2024 authorised the Academic Committee of the college to scrutinize the syllabi proposed by the various Boards of Studies. The Academic Committee considered the syllabi and advised the various Boards of studies regarding the necessary corrections to be made in the syllabus. Accordingly, the various Boards of studies corrected their syllabi. The complete list of courses offered by the various departments are as follows.

SYLLABUS INDEX

1. BOTANY

SEM	Course Code	Course Title	Course Level	Credit	Hours per Week	
					Theory	Practical
DISCIPLINE SPECIFIC COURSES (DSC)						
I	24UBOTDSC101	Plant Science and Its Advancements	100-199	4	3	2
II	24UBOTDSC102	Plant Resource Management	100-199	4	3	2
III	24UBOTDSC201	Microbiology and Phycology	200-299	4	3	2

SEM	Course Code	Course Title	Course Level	Credit	Hours per Week	
					Theory	Practical
	24UBOTDSC202	Plant Anatomy and Reproductive Biology	200-299	4	3	2
IV	24UBOTDSC203	Bryology, Pteridology and Gymnosperms	200-299	4	3	2
	24UBOTDSC204	Genetics and Evolution	200-299	4	4	0
	24UBOTDSC205	Angiosperm Morphology and Economic Botany	200-299	4	3	2
V	24UBOTDSC301	Angiosperm Systematics	300-399	4	3	2
	24UBOTDSC302	Cell And Molecular Biology	300-399	4	3	2
VI	24UBOTDSC304	Plant Physiology	300-399	4	3	2
	24UBOTDSC305	Mycology And Plant Pathogen Interaction	300-399	4	3	2
VII	24UBOTDSC401	Advancements in Thallophytes	400-499	4	4	0
	24UBOTDSC402	Advancements in Archegoniates	400-499	4	3	2
	24UBOTDSC403	Modern Trends in Plant Systematics	400-499	4	4	0
VIII	24UBOTDSC404	Plant Physiology and Metabolism	400-499	4	3	2
	24UBOTDSC405	Plant Breeding and Propagation Techniques	400-499	4	3	2
DISCIPLINE SPECIFIC ELECTIVE COURSES (DSE)						
III	24UBOTDSE201	Ethnobotany	200-299	4	4	0
V	24UBOTDSE301	Biotechnology and Genetic Engineering	300-399	4	4	0
	24UBOTDSE302	Phytogeography and Forestry	300-399	4	4	0
	24UBOTDSE303	Green Technology and Sustainable Development	300-399	4	4	0
VI	24UBOTDSE304	Plant Chemical Ecology	300-399	4	4	0
	24UBOTDSE305	Plant Ecology, Conservation and Sustainable Development	300-399	4	4	0
	24UBOTDSE306	Science Perspectives and Methodology	300-399	4	4	0
	24UBOTDSE307	Plant Animal Interactions and Pollination Biology	300-399	4	4	0
VII	24UBOTDSE401	Scientific Research, An In-Depth Approach	400-499	4	4	0
	24UBOTDSE402	Phytochemistry And Pharmacognosy	400-499	4	4	0
	24UBOTDSE403	Modern Trends in Genomics	400-499	4	4	0

SEM	Course Code	Course Title	Course Level	Credit	Hours per Week	
					Theory	Practical
VIII	24UBOTDSE404	Data Management for Plant Science	400-499	4	4	0
	24UBOTDSE405	Field Botany	400-499	4	4	0
DISCIPLINE SPECIFIC COURSES (DSC) - Minor Pathway						
I	24UBOTDSC101	Plant Science and Its Advancements	100-199	4	3	2
II	24UBOTDSC102	Plant Resource Management	100-199	4	3	2
III/IV	24UBOTDSC207	Floriculture and Olericulture	200-299	4	3	2
MULTIDISCIPLINARY COURSES (MDC)						
I	24UBOTMDC101	Ecotourism and Its Novel Trends	100-199	3	2	2
II	24UBOTMDC102	Outdoor Garden Management	100-199	3	2	2
III	24UBOTMDC103	Agri-Based Microenterprises	200-299	3	0	0
SKILL ENHANCEMENT COURSES (SEC)						
IV	24UBOTSEC201	Flower Arrangement and Fruit Carving	200-299	3	3	0
V	24UBOTSEC301	Mushroom Cultivation and Value-Added Products	300-399	3	3	0
VI	24UBOT SEC302	Macro-Photography with An Emphasis on Plant Science	300-399	3	2	2
VI	24UBOTSEC303	Botany In Real World Scenario	300-399	3	2	2
VALUE ADDITION COURSES (VAC)						
IV	24UBOTVAC201	Conservation Biology	200-299	3	3	0
VI	24UBOTVAC301	Environmental Science and Human Rights	300-399	3	3	0

2. CHEMISTRY

SEM	Course Code	Course Title	Course Level	Credit	Hours per Week	
					Theory	Practical
DISCIPLINE SPECIFIC COURSES (DSC)						
I	24UCHEDSC101	Fundamentals of Chemistry - I	100-199	4	3	2
II	24UCHEDSC102	Fundamentals of Chemistry - II	100-199	4	3	2
III	24UCHEDSC201	Inorganic Chemistry – I	200-299	4	3	2
	24UCHEDSC202	Organic Chemistry – I	200-299	4	3	2

SEM	Course Code	Course Title	Course Level	Credit	Hours per Week	
					Theory	Practical
	24UCHEDSC203	Physical Chemistry – I	200-299	4	4	0
IV	24UCHEDSC204	Inorganic Chemistry – II	200-299	4	3	2
	24UCHEDSC205	Organic Chemistry – II	200-299	4	3	2
	24UCHEDSC206	Physical Chemistry – II	200-299	4	4	0
V	24UCHEDSC301	Inorganic Chemistry – III	300-399	4	3	2
	24UCHEDSC302	Organic Chemistry – III	300-399	4	4	0
	24UCHEDSC303	Physical Chemistry – III	300-399	4	4	0
VI	24UCHEDSC304	Inorganic Chemistry – IV	300-399	4	4	0
	24UCHEDSC305	Organic Chemistry – IV	300-399	4	3	2
	24UCHEDSC306	Physical Chemistry – IV	300-399	4	3	2
VII	24UCHEDSC401	Inorganic Chemistry – V	400-499	4	4	0
	24UCHEDSC402	Organic Chemistry – V	400-499	4	4	0
	24UCHEDSC403	Organic Chemistry – VI	400-499	4	4	0
	24UCHEDSC404	Physical Chemistry - V	400-499	4	3	2
	24UCHEDSC405	Physical Chemistry - VI	400-499	4	4	0
	24UCHEDSC406	Spectroscopy - I	400-499	4	4	0
VIII	24UCHEDSC407	Inorganic Chemistry – VI	400-499	4	3	2
	24UCHEDSC408	Spectroscopy - II	400-499	4	3	2
DISCIPLINE SPECIFIC ELECTIVE COURSES (DSE)						
V / VI	24UCHEDSE301	Instrumental Methods for Chemical Analysis	300-399	4	4	0
	24UCHEDSE302	Forensic Chemistry & Toxicology	300-399	4	4	0
	24UCHEDSE303	Food Chemistry	300-399	4	4	0
	24UCHEDSE304	Electrochemical Power Sources	300-399	4	4	0
	24UCHEDSE305	Applied Chemistry: Exploring Industrial Products and Processes.	300-399	4	4	0
	24UCHEDSE306	Materials Science and Nanochemistry	300-399	4	4	0
VIII	24UCHEDSE401	Advances in Chemistry	400-499	4	4	0
DISCIPLINE SPECIFIC COURSES (DSC) - Minor Pathway						
I	24UCHEDSC101	Fundamentals of Chemistry - I	100-199	4	3	2
II	24UCHEDSC102	Fundamentals of Chemistry - II	100-199	4	3	2
III/IV	24UCHEDSC207	Chemistry for Physical Sciences	200-299	4	3	2

SEM	Course Code	Course Title	Course Level	Credit	Hours per Week	
					Theory	Practical
	24UCHEMSC208	Elements of Biochemistry	200-299	4	3	2
	24UCHEMSC209	Bioinorganic and Agricultural Chemistry	200-299	4	3	2
MULTIDISCIPLINARY COURSES (MDC)						
I	24UCHEMDC101	Chemistry in Everyday Life	100-199	3	2	2
II	24UCHEMDC102	Environmental Chemistry	100-199	3	2	2
SKILL ENHANCEMENT COURSES (SEC)						
V	24UCHESEC301	Insilico Methods in Chemistry & Informatics	300-399	3	2	2
VI	24UCHESEC302	Preparation and Characterization of Advanced Materials.	300-399	3	2	2
VALUE ADDITION COURSES (VAC)						
VI	24UCHEVAC301	Chemicals and Hazardous Waste Management	300-399	3	3	0
SIGNATURE COURSES (SIG)						
V/VI	24UCHESIG301	Molecular Modelling and Drug Design	300-399	4	3	2
V/VI	24UCHESIG302	Rubber Products Manufacturing and Testing	300-399	4	3	2
VIII	24UCHESIG401	Cheminformatics	400-499	4	3	2
VIII	24UCHESIG402	Biochemistry	400-499	4	4	0

2. MATHEMATICS

SEM	Course Code	Course Title	Course Level	Credit	Hours per Week	
					Theory	Practical
DISCIPLINE SPECIFIC COURSES (DSC)						
I	24UMATDSC101	Ground Roots of Mathematics	100-199	4	3	2
II	24UMATDSC102	Gateway to Mathematics	100-199	4	3	2
III	24UMATDSC201	Building Blocks for Higher Mathematics	200-299	4	3	2
	24UMATDSC202	Differential Equations	200-299	4	3	2
IV	24UMATDSC203	Foundations of Analysis and Algebra	200-299	4	3	2
V	24UMATDSC301	Algebra -I	300-399	4	3	2
	24UMATDSC302	Real Analysis- I	300-399	4	3	2

SEM	Course Code	Course Title	Course Level	Credit	Hours per Week	
					Theory	Practical
VI	24UMATDSC303	Linear Algebra- I	300-399	4	4	0
	24UMATDSC304	Real Analysis -II	300-399	4	3	2
	24UMATDSC305	Linear Algebra -II	300-399	4	4	0
VII	24UMATDSC401	Complex Analysis -II	400-499	4	4	0
	24UMATDSC402	Real Analysis -III	400-499	4	3	2
	24UMATDSC403	Algebra -III	400-499	4	4	0
	24UMATDSC404	Metric Space and Topology	400-499	4	4	0
	24UMATDSC405	Ordinary Differential equations	400-499	4	4	0
	24UMATDSC406	Combinatorics	400-499	4	4	0
VIII	24UMATDSC407	Complex Analysis 3	400-499	4	3	2
	24UMATDSC408	Basic Topology	400-499	4	3	2
	24UMATDSC409	Measure Theory and Integration	400-499	4	3	2
	24UMATDSC410	A First Course in Chaotic Dynamical Systems	400-499	4	3	2
	24UMATDSC411	Functional Analysis	400-499	4	3	2
DISCIPLINE SPECIFIC ELECTIVE COURSES (DSE)						
III	24UMATDSE201	Numerical Analysis	200-299	4	4	0
IV	24UMATDSE202	Vector Calculus	200-299	4	3	2
IV	24UMATDSE203	Special Functions and Integral Transforms	200-299	4	4	0
V	24UMATDSE301	Operations Research	300-399	4	4	0
V	24UMATDSE302	Graph Theory	300-399	4	4	0
VI	24UMATDSE303	Complex Analysis -I	300-399	4	3	2
VI	24UMATDSE304	Algebra -II	300-399	4	3	2
DISCIPLINE SPECIFIC COURSES (DSC) - Minor Pathway						
I	24UMATDSC101	Ground Roots of Mathematics	101-199	4	3	2
II	24UMATDSC102	Gateway to Mathematics	101-199	4	3	2
III	24UMATDSC204	Differential Equations and Vector Calculus	200-299	4	3	2
III/IV	24UMATDSE205	Mathematics for Business and Economics	200-299	4	3	2
I	24UMATDSC111	Foundation of Mathematics	100-199	4	3	2
II	24UMATDSC112	Discrete Mathematics	100-199	4	3	2

SEM	Course Code	Course Title	Course Level	Credit	Hours per Week	
					Theory	Practical
IV	24UMATDSC211	Calculus and Numerical Analysis	200-299	4	3	2
IV	24UMATDSC212	Mathematics for Data Science	200-299	4	3	2
MULTIDISCIPLINARY COURSES (MDC)						
I	24UMATMDC101	Mathematics for Competitive Examinations	101-199	3	2	2
II	24UMATMDC102	Applicable Mathematics	101-199	3	2	2
III	24UMATDSE201	Mathematics in Nature	200-299	3	3	0
SKILL ENHANCEMENT COURSES (SEC)						
4	24UMATSEC201	Document preparation using LaTeX	200-299	3	3	0
5	24UMATSEC301	Introduction to Python for Mathematical Computation	300-399	3	3	0
6	24UMATSEC302	Computations and Graphics Using SageMath	300-399	3	3	0
VALUE ADDITION COURSES (VAC)						
3	24UMATVAC201	Mastering Problem Solving through Vedic Mathematics	200-299	3	3	0
4	24UMATVAC202	Business Mathematics	200-299	3	3	0
6	24UMATVAC301	Mathematical Computation and Visualization with R	300-399	3	3	0

4. PHYSICS

SEM	Course Code	Course Title	Course Level	Credit	Hours per Week	
					Theory	Practical
DISCIPLINE SPECIFIC COURSES (DSC)						
I	24UPHYDSC101	Foundations of Physics	100-199	4	3	2
II	24UPHYDSC102	Modern Physics	100-199	4	3	2
III	24UPHYDSC201	Principles of Mechanics	200-299	4	3	2
	24UPHYDSC202	Essentials of Mathematical Physics	200-299	4	4	0
IV	24UPHYDSC203	Wave Optics	200-299	4	3	2
	24UPHYDSC204	Basic Electrodynamics	200-299	4	4	0
V	24UPHYDSC301	Classical Mechanics - I	300-399	4	4	0
	24UPHYDSC302	Introduction to Quantum mechanics	300-399	4	4	0

SEM	Course Code	Course Title	Course Level	Credit	Hours per Week	
					Theory	Practical
VI	24UPHYDSC303	Science of Energy (Thermal and Introduction to Statistical Physics)	300-399	4	3	2
	24UPHYDSC304	Solid State Physics	300-399	4	4	0
VII	24UPHYDSC401	Statistical Physics	400-499	4	4	0
	24UPHYDSC402	Classical Mechanics-II	400-499	4	4	0
	24UPHYDSC403	Advanced Electrodynamics	400-499	4	4	0
VIII	24UPHYDSC404	Quantum Mechanics	400-499	4	4	0
	24UPHYDSC405	Condensed Matter Physics	400-499	4	4	0
DISCIPLINE SPECIFIC ELECTIVE COURSES (DSE)						
III DSE-01	24UPHYDSE201	Basic Electronics	200-299	4	3	2
	24UPHYDSE202	Properties of Matter	200-299	4	3	2
	24UPHYDSE203	Science of Sound	200-299	4	3	2
VIII DSE-02	24UPHYDSE204	Current Electricity and Wiring	200-299	4	3	2
	24UPHYDSE205	Computational Physics using C++	200-299	4	3	2
	24UPHYDSE206	Laser, Non-linear Optics and Fiber Optics	200-299	4	3	2
V DSE-03	24UPHYDSE301	Atomic and Molecular Physics	300-399	4	4	0
V DSE-04	24UPHYDSE302	Crystallography	300-399	4	4	0
	24UPHYDSE303	Physics of Atmosphere	300-399	4	4	0
	24UPHYDSE304	Introduction to Space Physics	300-399	4	4	0
	24UPHYDSE305	Operational Amplifiers	300-399	4	4	0
V DSE-05	24UPHYDSE306	Essential Radio Astronomy	300-399	4	3	2
	24UPHYDSE307	Computational Physics using Python	300-399	4	3	2
	24UPHYDSE308	Optoelectronics	300-399	4	3	2
	24UPHYDSE309	Basics of Astronomy and Cosmology	300-399	4	3	2
VI DSE-06	24UPHYDSE310	Nuclear and Particle Physics	300-399	4	4	0
	24UPHYDSE311	Nanomaterials	300-399	4	4	0
	24UPHYDSE312	Nanoscience and Nanotechnology	300-399	4	4	0
	24UPHYDSE313	Introduction to quantum computing	300-399	4	4	0
VI DSE-07	24UPHYDSE314	Digital Electronics	300-399	4	3	2
	24UPHYDSE315	Synthesis and Characterization techniques for Functional Materials	300-399	4	3	2

SEM	Course Code	Course Title	Course Level	Credit	Hours per Week	
					Theory	Practical
VII DSE-08	24UPHYDSE401	Theory of Relativity	400-499	4	4	0
	24UPHYDSE402	Nanophotonics	400-499	4	4	0
	24UPHYDSE403	Quantum computing and quantum algorithm	400-499	4	4	0
VII DSE-09	24UPHYDSE404	Research Methodology	400-499	4	4	0
VII DSE-10	24UPHYDSE405	Nonlinear Dynamics and Chaos Theory	400-499	4	3	2
	24UPHYDSE406	Electroceramics (Research Based)	400-499	4	3	2
	24UPHYDSE407	Digital Signal Processing	400-499	4	3	2
VIII DSE-11	24UPHYDSE408	Mathematical Physics	400-499	4	4	0
	24UPHYDSE409	Radiation Physics	400-499	4	4	0
DISCIPLINE SPECIFIC COURSES (DSC) - Minor Pathway						
I	24UPHYDSC101	Foundations of Physics	100-199	4	3	2
II	24UPHYDSC102	Modern Physics	100-199	4	3	2
III/IV	24UPHYDSC205	Introduction to Spectroscopy	200-299	4	3	2
	24UPHYDSC206	Basic Electronics and Electricity	200-299	4	3	2
MULTIDISCIPLINARY COURSES (MDC)						
I	24UPHYMDC101	Physics in Daily Life	100-199	3	2	2
II	24UPHYMDC102	Observational Astronomy	100-199	3	2	2
III	24UPHYMDC201	Renewable Energy Sources	200-299	3	3	0
SKILL ENHANCEMENT COURSES (SEC)						
IV	24UPHYSEC201	Electrical Circuits and network skills	200-299	3	3	0
V	24UPHYSEC301	Numerical Methods for Computational Physics	300-399	3	2	2
VI	24UPHYSEC302	Essential Electrical Measurements	300-399	3	2	2
VALUE ADDITION COURSES (VAC)						
III	24UPHYVAC201	Science and Society	200-299	3	3	0
IV	24UPHYVAC202	Environmental physics	200-299	3	3	0
VI	24UPHYVAC301	Disaster Management	300-399	3	3	0
SIGNATURE COURSES (SIG)						
VII	24UPHYSIG301	Applied Physics -1	300-399	4	4	0
VIII	24UPHYSIG302	Applied Physics -2	300-399	4	4	0

SEM	Course Code	Course Title	Course Level	Credit	Hours per Week	
					Theory	Practical
VIII	24UPHYSIG401	General Relativity and Applications	400-499	4	4	0

5. ZOOLOGY

SEM	Course Code	Course Title	Course Level	Credit	Hours per Week	
					Theory	Practical
DISCIPLINE SPECIFIC COURSES (DSC)						
I	24UZOODSC101	Introduction to Zoology	100-199	4	3	2
II	24UZOODSC102	Value-Added Products of Animals	100-199	4	3	2
III	24UZOODSC201	Protistan Diversity and Animal Diversity Non-Chordata- I	200-299	4	3	2
	24UZOODSC202	Animal Diversity Non-Chordata- II	200-299	4	3	2
	24UZOODSC203	Ethology	200-299	4	4	0
IV	24UZOODSC205	Animal Diversity Chordata- I	200-299	4	3	2
	24UZOODSC206	Biological Chemistry	200-299	4	3	2
	24UZOODSC207	Applied Zoology	200-299	4	4	0
V	24UZOODSC301	Animal Diversity Chordata -II	300-399	4	3	2
	24UZOODSC302	Cell Biology and Molecular Biology	300-399	4	4	0
	24UZOODSC303	Fundamentals of Genetics	300-399	4	4	0
	24UZOODSC304	Biotechnology - Principles and Practices	300-399	4	4	0
	24UZOODSC305	Wildlife Management	300-399	4	4	0
VI	24UZOODSC306	Microbiology and Basic Immunology	300-399	4	4	0
	24UZOODSC307	Physiology and Endocrinology	300-399	4	3	2
	24UZOODSC308	Reproductive Biology and Teratology	300-399	4	3	2
	24UZOODSC309	Zoogeography and Evolutionary Biology	300-399	4	3	2
VII	24UZOODSC401	Biophysics, Instrumentation, and Diagnostic Imaging Techniques	400-499	4	4	0
	24UZOODSC402	Biostatistics and Research Methodology	400-499	4	4	0
	24UZOODSC403	Advanced Genetics	400-499	4	4	0
	24UZOODSC404	Economic Entomology	400-499	4	3	2
	24UZOODSC405	Aquafarming	400-499	4	4	0

SEM	Course Code	Course Title	Course Level	Credit	Hours per Week	
					Theory	Practical
	24UZOODSC406	Solid Waste Management	400-499	4	4	0
VIII	24UZOODSC407	Advanced Immunology	400-499	4	3	2
	24UZOODSC408	Animal Systematics	400-499	4	3	2
DISCIPLINE SPECIFIC ELECTIVE COURSES (DSE)						
VIII	24UZOODSE401	Developmental Biology	300-399	4	4	0
	24UZOODSE402	Fishing and Fish Processing Technologies	300-399	4	4	0
	24UZOODSE403	Biological Specimen Preparation Techniques.	300-399	4	4	0
DISCIPLINE SPECIFIC COURSES (DSC) - Minor Pathway						
I	24UZOODSC101	Introduction to Zoology	100-199	4	3	2
II	24UZOODSC102	Value-Added Products of Animals	100-199	4	3	2
III/IV	24UZOODSC204	Applied Zoology	200-299	4	3	2
	24UZOODSC208	Functional Zoology	200-299	4	3	2
MULTIDISCIPLINARY COURSES (MDC)						
I	24UZOOMDC101	Ornamental Fish Farming & Aquarium Keeping	100-199	3	2	2
II	24UZOOMDC102	Reproductive Health and Sex Education	100-199	3	2	2
III	24UZOOMDC201	Human Diseases and Their Management	200-299	3	0	0
SKILL ENHANCEMENT COURSES (SEC)						
V	24UZOOSEC301	Aquarium Fabrication and Setting	300-399	3	2	2
VI	24UZOOSEC302	Responsible Tourism	300-399	3	2	2
VALUE ADDITION COURSES (VAC)						
VI	24UZOOVAC301	Fundamentals of Parasitology	300-399	3	3	0
DISCIPLINE SPECIFIC COURSES (DSC) – Physiology Minor for Psychology						
I	24UZOODSC111	Introduction to Physiological Psychology	100-199	4	3	2
II	24UZOODSC112	Physiological Psychology - II	100-199	4	3	2
III	24UZOODSC211	Behavioural Genetics & Psychoneuroimmunology	200-299	4	3	2

6. ECONOMICS

SEM	Course Code	Course Title	Course Level	Credit	Hours per Week	
					Theory	Practicum
DISCIPLINE SPECIFIC COURSES (DSC)						
I	24UECODSC101	Fundamentals of Economics I	100-199	4	3	2
II	24UECODSC102	Fundamentals of Economics II	100-199	4	3	2
III	24UECODSC201	Microeconomic Analysis	200-299	4	3	2
	24UECODSC202	Macroeconomic Analysis	200-299	4	3	2
IV	24UECODSC203	Development Economics	200-299	4	3	2
	24UECODSC206	Quantitative Techniques for Economic Analysis	200-299	4	4	0
V	24UECODSC301	Human Resource Management	300-399	4	4	0
	24UECODSC302	Mathematical Economics	300-399	4	4	0
VI	24UECODSC303	Introductory Econometrics	300-399	4	4	0
	24UECODSC304	International Economics	300-399	4	4	0
	24UECODSC305	Indian Economy	300-399	4	4	0
VII	24UECODSC401	Research Methods in Economics	400-499	4	3	2
	24UECODSC402	Advanced Microeconomics	400-499	4	4	0
	24UECODSC403	Advanced Macroeconomics	400-499	4	4	0
VIII	24UECODSC404	Development Issues of Indian Economy	400-499	4	3	2
	24UECODSC405	Advanced Econometrics	400-499	4	3	2
DISCIPLINE SPECIFIC ELECTIVE COURSES (DSE)						
III	24UECODSE201	Modern Banking	200-299	4	4	0
IV	24UECODSE202	Entrepreneurship Development	200-299	4	3	2
V	24UECODSE301	Public Economics	300-399	4	4	0
V	24UECODSE302	Behavioural Economics	300-399	4	4	0
V	24UECODSE303	Economics of Financial Markets	300-399	4	3	2
VI	24UECODSE304	Industrial Economics	300-399	4	3	2
VII	24UECODSE401	Kerala Economy	400-499	4	4	0
VII	24UECODSE402	Economics of Social Sector	400-499	4	4	0
VII	24UECODSE403	Labour Economics	400-499	4	4	0
VIII	24UECODSE404	Agricultural Economics	400-499	4	3	2
VIII	24UECODSE405	Monetary Economics	400-499	4	4	0
VIII	24UECODSE406	Digital Economy and Business Transformation	400-499	4	3	2

SEM	Course Code	Course Title	Course Level	Credit	Hours per Week	
					Theory	Practicum
DISCIPLINE SPECIFIC COURSES (DSC) - Minor Pathway						
I	24UECODSC101	Fundamentals of Economics I	100-199	4	3	2
II	24UECODSC102	Fundamentals of Economics II	100-199	4	3	2
MULTIDISCIPLINARY COURSES (MDC)						
I	24UECOMDC101	Essentials of Economics	100-199	3	2	2
II	24UECOMDC102	Economics in Everyday Life	100-199	3	2	2
III	24UECOMDC201	Indian Economic Thought	200-299	3	3	0
SKILL ENHANCEMENT COURSES (SEC)						
IV	24UECOSEC201	Dynamics of Gig Economy	200-299	3	3	0
V	24UECOSEC301	Databases and Basic Computational Techniques for Data Analysis	300-399	3	2	2
VI	24UECOSEC302	Fundamentals of Capital market	300-399	3	2	2
VALUE ADDITION COURSES (VAC)						
III	24UECOVAC201	Gender Dynamics in Society	200-299	3	3	0
IV	24UECOVAC202	Entrepreneurship in Sports and Fitness Industry	200-299	3	2	2
VI	24UECOVAC301	Environmental Economics	300-399	3	2	2

7. ENGLISH

SEM	Course Code	Course Title	Course Level	Credit	Hours per Week	
					Theory	Practicum
DISCIPLINE SPECIFIC COURSES (DSC)						
I	24UENGDSC101	Appreciating Literature	100-199	4	3	2
II	24UENGDSC104	Literature in Vogue: The Canon and Beyond	100-199	4	3	2
III	24UENGDSC201	British Literature in Context - Part I	200-299	4	4	0
	24UENGDSC202	Methodology of Literary Studies: Some Approaches and Perspectives	200-299	4	3	2
VI	24UENGDSC204	British Literature in Context - Part II	200-299	4	4	0
	24UENGDSC205	Reading Poetry	200-299	4	3	2
V	24UENGDSC301	Literary Theory and Criticism	300-399	4	4	0
	24UENGDSC302	Reading Drama	300-399	4	4	0

SEM	Course Code	Course Title	Course Level	Credit	Hours per Week	
					Theory	Practicum
	24UENG DSC303	Linguistics	300-399	4	3	2
VI	24UENG DSC304	Reading Fiction	300-399	4	3	2
VII	24UENG DSC401	Gender and Literature	400-499	4	3	2
	24UENG DSC402	Modern Indian Literature in English	400-499	4	3	2
	24UENG DSC403	Literature and Culture	400-499	4	3	2
	24UENG DSC404	Postcolonial Literatures	400-499	4	4	0
	24UENG DSC405	Refugee Narratives	400-499	4	4	0
	24UENG DSC406	Life Writings	400-499	4	4	0
VIII	24UENG DSC407	Narratives of Conflict	400-499	4	3	2
	24UENG DSC408	Health Humanities and Trauma Narratives	400-499	4	3	2
	24UENG DSC409	Travel Writing	400-499	4	3	2
DISCIPLINE SPECIFIC ELECTIVE COURSES (DSE)						
III	24UENG DSE201	Appreciating Cinema: Film Studies in Context*	200-299	4	3	2
	24UENG DSE202	Copy Editing: An Overview	200-299	4	3	2
	24UENG DSE203	Food Narratives	200-299	4	3	2
IV	24UENG DSE204	Kochi Studies**	200-299	4	3	2
	24UENG DSE205	Techniques of Copy Editing	200-299	4	3	2
	24UENG DSE206	Malayalam Literature in Translation	200-299	4	3	2
	24UENG DSC207	Reading Shakespeare	200-299	4	3	2
V	24UENG DSE301	Subaltern Voices: Exploring Marginal Narratives in Literature	300-399	4	4	0
	24UENG DSE302	Art Movements and Literature	300-399	4	4	0
	24UENG DSE303	From Idea to Screen: The Art of Documentary Filmmaking*	300-399	4	4	0
	24UENG DSE304	Advertising and Society**	300-399	4	4	0
	24UENG DSE305	Modern Creative Writing and Digital Publishing	300-399	4	4	0
VI	24UENG DSE306	American Literature	300-399	4	4	0
	24UENG DSE307	Ecology and Literature	300-399	4	4	0
	24UENG DSE308	Introduction to Science Fiction	300-399	4	4	0
	24UENG DSE309	English Language Teaching	300-399	4	3	2
	24UENG DSE310	Content Writing	300-399	4	3	2

SEM	Course Code	Course Title	Course Level	Credit	Hours per Week	
					Theory	Practicum
	24UENG DSE311	Drama and Performance	300-399	4	3	2
	24UENG DSE312	Reading Malayalam Cinema *	300-399	4	3	2
	24UENG DSE313	Body as Text **	300-399	4	3	2
* Indicates Courses for Specialization in <i>Film Studies</i>						
** Indicates Courses for Specialization in <i>Cultural Studies</i>						
DISCIPLINE SPECIFIC COURSES (DSC) – English Minor I						
I	24UENG DSC102	Reading Society Through Literature	100-199	4	3	2
II	24UENG DSC105	Art of Reading	100-199	4	3	2
III/IV	24UENG DSE201	Appreciating Cinema: Film Studies in Context	200-299	4	3	2
DISCIPLINE SPECIFIC COURSES (DSC) - English Minor II						
I	24UENG DSC103	Genres of Literature	100-199	4	3	2
II	24UENG DSC106	Visual Narratives	100-199	4	3	2
III/IV	24UENG DSE204	Kochi Studies	200-299	4	3	2
MULTIDISCIPLINARY COURSES (MDC)						
I/II	24UENG MDC101	Mirrors of Life: Arts and Humanities	100-199	3	2	2
III	24UENG MDC201	Literature in the Age of Social Media	200-299	3	3	0
SKILL ENHANCEMENT COURSES (SEC)						
IV	24UENG SEC201	Communication Skills for Employability	200-299	3	3	0
V	24UENG SEC301	Other Voices: Translation in Practice	300-399	3	2	2
VI	24UENG SEC302	Research Methodology	300-399	3	3	0
VALUE ADDITION COURSES (VAC)						
III	24UENG VAC201	Reading the Nation: Nationalism, Human Rights, Gender, and Sustainability	200-299	3	3	0
IV	24UENG VAC202	Literature and/as Philosophy	200-299	3	3	0
VI	24UENG VAC301	Indian Aesthetics in Context	300-399	3	3	0
ABILITY ENHANCEMENT COURSES (AEC)						
I	24UENG AEC101	Fundamentals of English - Part I	100-199	3	3	0
	24UENG AEC102	Navigating English - Part I	100-199	3	3	0
II	24UENG AEC103	Fundamentals of English - Part II	100-199	3	3	0
	24UENG AEC104	Navigating English - Part II	100-199	3	3	0

SEM	Course Code	Course Title	Course Level	Credit	Hours per Week	
					Theory	Practicum
SIGNATURE COURSES (SIG)						
	24UENG SIG201	Learning to Live Together: Insights From Inter-Religious Scriptural Study	200-299	4	3	2
	24UENG SIG202	Literary Journeys: Exploring Kerala's Nature and Tourism Through Literature	200-299	3	3	0
	24UENG SIG203	Literary Landscapes: Exploring Kerala through English Literature	200-299	3	3	0
	24UENG SIG204	Text and Context: Advanced Course in Reading and Writing	200-299	4	4	0
	24UENG SIG301	Thought Engineering: Deliberations on the Production and Consumption of Knowledge	300-399	4	4	0
	24UENG SIG302	Ecological Governance, Biopolitics, and Food Science	300-399	4	4	0
	24UENG SIG303	Law and Literature	300-399	4	4	0

8. SOCIOLOGY

SEM	COURSE CODE	COURSE TITLE	COURSE LEVEL	Credit	Hours per Week	
					Theory	Practicum
DISCIPLINE SPECIFIC COURSES (DSC)						
I	24USOCDSC101	Invitation to Sociology	100-199	4	3	2
II	24USOCDSC102	Society and Cultural Life	100-199	4	3	2
III	24USOCDSC201	Sociology of Environment	200-299	4	3	2
	24USOCDSC202	Foundations of Sociological Thought	200-299	4	3	2
	24USOCDSC203	Introduction to Social Work	200-299	4	4	0
IV	24USOCDSC204	Sociology of Crime and Pathology	200-299	4	3	2
	24USOCDSC205	Modern Sociological Theories	200-299	4	3	2
	24USOCDSC206	Principles of Social Research	200-299	4	4	0
V	24USOCDSC301	Sociology of Indian Society	300-399	4	3	2
	24USOCDSC302	Gender & Society	300-399	4	4	0
	24USOCDSC303	Sociology of Work and Industry	300-399	4	4	0
VI	24USOCDSC304	Sociology of Ageing/Gerontology	300-399	4	4	0
	24USOCDSC305	Qualitative Research Methods	300-399	4	3	2

SEM	COURSE CODE	COURSE TITLE	COURSE LEVEL	Credit	Hours per Week	
					Theory	Practicum
	24USOCDSC306	Political Sociology	300-399	4	3	2
VII	24USOCDSC401	Sociology of Development	400-499	4	4	0
	24USOCDSC402	Sociology of Globalization and Global Dynamics	400-499	4	4	0
	24USOCDSC403	Sociology of Kerala Society	400-499	4	4	0
	24USOCDSC404	Sociology of Marginalization	400-499	4	3	2
	24USOCDSC405	Current Trends in Social Research	400-499	4	4	0
	24USOCDSC406	Migration and Indian Diaspora	400-499	4	4	0
VIII	24USOCDSC407	Dissertation Planning and Management	400-499	4	3	2
	24USOCDSC408	Current Debates in Sociological Theories	400-499	4	3	2
DISCIPLINE SPECIFIC ELECTIVE COURSES (DSE)						
V / VI	24USOCDSE301	Sociology of Education	300-399	4	4	0
	24USOCDSE302	Tribal Society in India	300-399	4	4	0
	24USOCDSE303	Rural Sociology/Understanding Rural India	300-399	4	4	0
	24USOCDSE304	Media and Society	300-399	4	4	0
	24USOCDSE305	Sociology of Religion	300-399	4	4	0
VIII	24USOCDSE401	Civil Society and Democracy	400-499	4	4	0
DISCIPLINE SPECIFIC COURSES (DSC) - Minor Pathway						
I	24USOCDSC101	Invitation to Sociology	100-199	4	3	2
II	24USOCDSC102	Development of Sociological Thought	100-199	4	3	2
III/IV	24USOCDSC207	Indian Social Structure	200-299	4	3	2
	24USOCDSC208	Introduction to Social Work	200-299	4	3	2
	24USOCDSC209	Human Rights and Indian Society	200-299	4	3	2
	24USOCDSC210	Personality and Soft Skills	200-299	4	3	2
MULTIDISCIPLINARY COURSES (MDC)						
I	24USOCMDC101	Sociology of Tourism	100-199	3	2	2
II	24USOCMDC102	Cyber World and Social Media	100-199	3	2	2
III	24USOCMDC201	Sociology of Sports	200-299	3	2	2

SEM	COURSE CODE	COURSE TITLE	COURSE LEVEL	Credit	Hours per Week	
					Theory	Practicum
SKILL ENHANCEMENT COURSES (SEC)						
V	24USOCSEC301	Personality Development and Soft Skills	300-399	3	2	2
VI	24USOCSEC302	Research Skills on the Field	300-399	3	2	2
VALUE ADDITION COURSES (VAC)						
VI	24USOCVAC301	Human Rights and Indian Social Structure	300-399	3	0	0
SIGNATURE COURSES (SGC)						
V/VI	24USOCSGC301	Preparatory Course for UPSC Civil Service Examination	300-399	4	3	2
VIII	24USOCSGC401	Indian Society and Traditional Culture in Retrospective	400-499	4	3	2
VIII	24USOCSGC402	Society and Art in Ancient India	400-499	4	4	0

9. COMMERCE

SEM	Course Code	Course Title	Course Level	Credit	Hours per Week	
					Theory	Practical
DISCIPLINE SPECIFIC COURSES (DSC)						
I	24UCOMDSC101	Corporate Regulations and Compliance	100-199	4	3	2
I	24UCOMDSC102	Quantitative Techniques for Business	100-199	4	3	2
I	24UCOMDSC103	Essentials of Finance	100-199	4	3	2
II	24UCOMDSC104	Business Regulatory Framework	100-199	4	3	2
II	24UCOMDSC105	Quantitative Techniques for Business Data Analysis	100-199	4	3	2
II	24UCOMDSC106	Fundamentals of Cost Accounting	100-199	4	3	2
III	24UCOMDSC201	Financial Accounting	200-299	4	3	2
III	24UCOMDSC202	Innovations and Trends in Banking	200-299	4	3	2
III	24UCOMDSC203	Capital Market and Financial Service	200-299	4	3	2
IV	24UCOMDSC204	Corporate Accounting	200-299	4	3	2
IV	24UCOMDSC205	Marketing Management and Digital Marketing	200-299	4	3	2
IV	24UCOMDSC206	Corporate Connections	200-299	4	3	2
IV	24UCOMDSC207	Fundamentals of Goods and Services Tax	200-299	4	3	2

SEM	Course Code	Course Title	Course Level	Credit	Hours per Week	
					Theory	Practical
V	24UCOMDSC301	Advanced Accounting	300-399	4	4	0
V	24UCOMDSC302	Principals of Business decisions	300-399	4	4	0
V	24UCOMDSC303	Financial Management	300-399	4	4	0
V	24UCOMDSC304	Cost Accounting	300-399	4	3	2
VI	24UCOMDSC305	Management Accounting and Performance	300-399	4	4	0
VI	24UCOMDSC306	Applied Cost Accounting	300-399	4	4	0
VII	24UCOMDSC401	Advanced Financial Accounting-I	400-499	4	4	0
VII	24UCOMDSC402	Management and Organizational Behaviour	400-499	4	4	0
VII	24UCOMDSC403	Research Methodology	400-499	4	4	0
VII	24UCOMDSE404	Quantitative Techniques	400-499	4	4	0
VII	24UCOMDSE405	Entrepreneurship Development and Project Management	400-499	4	4	0
VII	24UCOMDSE406	Essentials of business development	400-499	4	4	0
VIII	24UCOMDSC404	Operations Management Techniques	400-499	4	4	0
VIII	24UCOMDSC405	Strategic Management	400-499	4	4	0
DISCIPLINE SPECIFIC ELECTIVE COURSES (DSE) – Specialization Courses for Finance & Taxation						
III	24UCOMDSE201	Business Analytics	200-299	4	3	2
III	24UCOMDSE202	Financial Service	200-299	4	3	2
IV	24UCOMDSE203	Goods and Services Tax	200-299	4	3	2
IV	24UCOMDSE204	Personal Finance Planning	200-299	4	3	2
V	24UCOMDSE301	Income Tax –I	300-399	4	3	2
V	24UCOMDSE302	Auditing and Assurance	300-399	4	3	2
V	24UCOMDSE303	Financial Reporting	300-399	4	3	2
VI	24UCOMDSE304	Income Tax –II	300-399	4	4	0
VI	24UCOMDSE305	Working Capital Management	300-399	4	4	0
VII	24UCOMDSE401	Strategic Financial Management	400-499	4	4	0
VII	24UCOMDSE402	Quantitative Techniques	400-499	4	3	2
VII	24UCOMDSE403	Entrepreneurship Development and Project Management	400-499	4	4	0
VIII	24UCOMDSE404	Human Resource Management	400-499	4	4	0
VIII	24UCOMDSE405	Advanced Financial Management	400-499	4	4	0

SEM	Course Code	Course Title	Course Level	Credit	Hours per Week	
					Theory	Practical
VIII	24UCOMDSE406	Advanced Financial Accounting-II	400-499	4	4	0
DISCIPLINE SPECIFIC ELECTIVE COURSES (DSE) – Specialization Courses for Finance & Accounting						
III	24UCOMDSE210	Business & Technology	200-299	4	3	2
IV	24UCOMDSE211	Financial Analytics & Control	200-299	4	4	0
V	24UCOMDSE310	Financial Reporting	300-399	4	3	2
V	24UCOMDSE311	Financial Planning & Performance	300-399	4	3	2
VI	24UCOMDSE312	Working Capital Management	300-399	4	3	2
VI	24UCOMDSE313	Strategic Business Reporting	300-399	4	3	2
VII	24UCOMDSE410	Corporate and Business Law	400-499	4	4	0
VIII	24UCOMDSE411	Auditing	400-499	4	4	0
VIII	24UCOMDSE404	Human Resource Management	400-499	4	4	0
VIII	24UCOMDSE406	Advanced Financial Accounting-II	400-499	4	4	0
DISCIPLINE SPECIFIC ELECTIVE COURSES (DSE) – Specialization Courses for Computer Applications						
III	24UCOMDSE220	Information Systems for Business	200-299	4	3	2
IV	24UCOMDSE221	Mastering Business Productivity: MS Office Essentials	200-299	4	3	2
V	24UCOMDSE320	Business Database Management with Practical Application	300-399	4	3	2
V	24UCOMDSE321	Navigating Business Process with MIS & ERP	300-399	4	3	2
VI	24UCOMDSE322	Advanced Business Computing – Bridging B.Com. and IT Skills	300-399	4	3	2
VI	24UCOMDSE323	Accounting Package: Tally Prime	300-399	4	3	2
VII	24UCOMDSE420	Data Visualization: Power BI	400-499	4	3	2
VIII	24UCOMDSE421	Software for Business Research	400-499	4	3	2
VIII	24UCOMDSE404	Human Resource Management	400-499	4	4	0
VIII	24UCOMDSE406	Advanced Financial Accounting-II	400-499	4	4	0
DISCIPLINE SPECIFIC ELECTIVE COURSES (DSE) – Specialization Courses for Travel & Tourism						
III	24UCOMDSE230	Tourism principles and practices	200-299	4	3	2
IV	24UCOMDSE231	Tourism products of Kerala	200-299	4	3	2
V	24UCOMDSE330	Travel Agency and Tour Operation Business	300-399	4	3	2
V	24UCOMDSE331	Event Management in Tourism	300-399	4	3	2
VI	24UCOMDSE332	Hospitality Management	300-399	4	3	2

SEM	Course Code	Course Title	Course Level	Credit	Hours per Week	
					Theory	Practical
VI	24UCOMDSE333	Entrepreneurship in Tourism	300-399	4	3	2
VII	24UCOMDSE430	Passenger Ground Services Paper - I	400-499	4	3	2
VIII	24UCOMDSE431	Passenger Ground Services Paper - II	400-499	4	3	2
VIII	24UCOMDSE404	Human Resource Management	400-499	4	4	0
VIII	24UCOMDSE406	Advanced Financial Accounting-II	400-499	4	4	0
DISCIPLINE SPECIFIC ELECTIVE COURSES (DSE) – Specialization Courses for Business Analytics						
III	24UCOMDSE240	Working with Excel	200-299	4	3	2
IV	24UCOMDSE241	Business Intelligence and Data Visualisation	200-299	4	3	2
V	24UCOMDSE340	Working with Dash Boards	300-399	4	3	2
V	24UCOMDSE341	Business Analytics for Decision-making	300-399	4	3	2
VI	24UCOMDSE342	Data Analytics using R	300-399	4	3	2
VI	24UCOMDSE343	Applications of Business Analytics	300-399	4	3	2
VII	24UCOMDSE440	New Technology in Business – Business Transformation using AI and Analytics	400-499	4	4	0
VIII	24UCOMDSE440	Data mining and Machine learning	400-499	4	4	0
VIII	24UCOMDSE404	Human Resource Management	400-499	4	4	0
VIII	24UCOMDSE406	Advanced Financial Accounting-II	400-499	4	4	0
DISCIPLINE SPECIFIC ELECTIVE COURSES (DSE) – Specialization Courses for Co-Operation						
III	24UCOMDSE250	Fundamentals of Co-Operation	200-299	4	3	2
IV	24UCOMDSE251	Co-Operative Legislations	200-299	4	3	2
V	24UCOMDSE351	Accounting And Audit for Co-Operatives	300-399	4	3	2
VI	24UCOMDSE352	Administration And Management of Co-Operative Societies	300-399	4	3	2
DISCIPLINE SPECIFIC ELECTIVE COURSES (DSE) – Specialization Courses for Event Management						
III	24UCOMDSE260	Event Management Fundamentals	200-299	4	3	2
IV	24UCOMDSE261	Event Marketing and Sponsorship	200-299	4	3	2
V	24UCOMDSE362	Event Logistics and Operations	300-399	4	3	2
VI	24UCOMDSE363	Special Event Management	300-399	4	3	2
DISCIPLINE SPECIFIC ELECTIVE COURSES (DSE) – Specialization Courses for Holistic Care Management in Kerala						

SEM	Course Code	Course Title	Course Level	Credit	Hours per Week	
					Theory	Practical
III	24UCOMDSE270	Introduction To Holistic Care Management in Kerala	200-299	4	3	2
IV	24UCOMDSE271	Elder Care Management: Ethics, Prudence, And Sincerity	200-299	4	3	2
V	24UCOMDSE370	Marketing For Holistic Care Services in Kerala	300-399	4	3	2
VI	24UCOMDSE371	Standard Operating Procedures (Sops) For Holistic Care Facilities	300-399	4	3	2
DISCIPLINE SPECIFIC ELECTIVE COURSES (DSE) – Specialization Courses for Sustainable Rural Development						
III	24UCOMDSE275	Introduction To Rural Development in Kerala	200-299	4	3	2
IV	24UCOMDSE276	Institutional Framework and Policies for Rural Development	200-299	4	3	2
V	24UCOMDSE375	Microfinance And Livelihood Development in Rural Kerala	300-399	4	3	2
VI	24UCOMDSE376	Sustainable Practices and Rural Entrepreneurship	300-399	4	3	2
DISCIPLINE SPECIFIC ELECTIVE COURSES (DSE) – Specialization Courses for International Business						
III	24UCOMDSE280	International Trade	200-299	4	3	2
IV	24UCOMDSE281	Global Business System	200-299	4	3	2
V	24UCOMDSE380	International Finance	300-399	4	3	2
VI	24UCOMDSE381	International Business Law	300-399	4	3	2
DISCIPLINE SPECIFIC ELECTIVE COURSES (DSE) – Specialization Courses for Strategic Export Management						
III	24UCOMDSE290	Export Compliance & Risk Management	200-299	4	3	2
IV	24UCOMDSE291	International Market Research & Analysis	200-299	4	3	2
V	24UCOMDSE390	Export Marketing & Branding Strategies	300-399	4	3	2
VI	24UCOMDSE391	Global Logistics and Supply Chain Management	300-399	4	3	2
DISCIPLINE SPECIFIC COURSES (DSC) – Commerce (Finance) - Minor Pathway						
I	24UCOMDSC101	Corporate Regulations and Governance	100-199	4	3	2
II	24UCOMDSC104	Business Regulatory Framework	100-199	4	3	2

SEM	Course Code	Course Title	Course Level	Credit	Hours per Week	
					Theory	Practical
III/IV	24UCOMDSC104	Emerging Technologies in Finance	200-299	4	3	2
DISCIPLINE SPECIFIC COURSES (DSC) – Commerce (Taxation) - Minor Pathway						
I	24UCOMDSC103	Essentials of Finance	100-199	4	3	2
II	24UCOMDSC107	Introduction to Income Tax	100-199	4	3	2
III/IV	24UCOMDSC205	Fundamentals of Goods and Services Tax	200-299	4	3	2
MULTIDISCIPLINARY COURSES (MDC)						
I	24UCOMMDC101	Fundamentals of Accounting	100-199	3	2	2
II	24UCOMMDC102	Financial Markets and Investments	100-199	3	2	2
II	24UCOMMDC103	Business Organisation and Entrepreneurship	100-199	3	2	2
III	24UCOMMDC201	Public Finance in India	200-299	3	3	0
SKILL ENHANCEMENT COURSES (SEC)						
IV	24UCOMSEC201	E-Commerce	300-399	3	3	0
V	24UCOMSEC301	Computerised Accounting	300-399	3	1	4
VI	24UCOMSEC302	Spread sheet Tools for Financial Data Analysis	300-399	3	1	4
VALUE ADDITION COURSES (VAC)						
III	24UCOMVAC201	Entrepreneurship and Start-Ups	200-299	3	3	0
VI	24UCOMVAC301	Financial Reporting	300-399	3	3	0
SIGNATURE COURSES (SIG)						
	24UCOMSIG201	Money Over Minds	200-299	3	3	0
	24UCOMSIG202	Art of Investing	200-299	3	3	0
	24UCOMSIG301	How to Make Money	300-399	3	2	2
	24UCOMSIG302	Accounting for Government and Local Bodies	300-399	3	2	2
	24UCOMSIG303	Know Consumer Rights	300-399	3	2	2
	24UCOMSIG304	Mastering the RTI Act 2005	300-399	3	2	2
	24UCOMSIG305	Tourism and Hospitality Management in Idukki and Ernakulam Districts	300-399	3	2	2
	24UCOMSIG306	Primary Data Analysis	300-399	3	2	2
	24UCOMSIG307	Qualitative data Analysis	300-399	3	2	2
	24UCOMSIG308	Business Development from Start to Scale.	300-399	3	2	2

SEM	Course Code	Course Title	Course Level	Credit	Hours per Week	
					Theory	Practical
	24UCOMSIG309	Patent drafting	300-399	3	2	2
	24UCOMSIG310	Business to Business Marketing	300-399	3	2	2
	24UCOMSIG311	Culinary Management	300-399	3	2	2
	24UCOMSIG312	Lean System and Innovation	300-399	4	3	2
	24UCOMSIG313	Cost Management for Emerging Business Models	300-399	4	3	2
	24UCOMSIG314	Strategic Income Management	300-399	4	3	2
	24UCOMSIG315	Forensic Accounting	300-399	4	3	2
	24UCOMSIG316	Risk Assessment and Reporting	300-399	4	3	2
	24UCOMSIG317	Sustainability Reporting	300-399	4	3	2
	24UCOMSIG318	Insolvency and Bankruptcy Code, 2016	300-399	4	3	2
	24UCOMSIG319	International Taxation	300-399	4	3	2
	24UCOMSIG320	Treasury Management	300-399	4	3	2
	24UCOMSIG321	Critical Thinking and Reasoning	300-399	4	3	2
	24UCOMSIG322	Digital Economy	300-399	4	3	2

10. COMPUTER APPLICATIONS

SEM	Course Code	Course Title	Course Level	Credit	Hours per Week	
					Theory	Practical
DISCIPLINE SPECIFIC COURSES (DSC)						
I	24UCAPDSC101	Programming in C	100-199	4	3	2
II	24UCAPDSC102	OOPS with C++	100-199	4	3	2
III	24UCAPDSC201	Data Structures using C++	200-299	4	3	2
	24UCAPDSC202	DBMS	200-299	4	3	2
	24UCAPDSC203	Digital Electronics	200-299	4	4	0
IV	24UCAPDSC204	Programming in Java	200-299	4	3	2
	24UCAPDSC205	Advanced Web Technologies	200-299	4	3	2
	24UCAPDSC206	Operating System	200-299	4	4	0
V	24UCAPDSC301	Python for Data Science	300-399	4	3	2
	24UCAPDSC302	Computer Networks	300-399	4	4	0

SEM	Course Code	Course Title	Course Level	Credit	Hours per Week	
					Theory	Practical
	24UCAPDSC303	Software Engineering	300-399	4	4	0
VI	24UCAPDSC304	Machine Learning	300-399	4	3	2
	24UCAPDSC305	Software Development	300-399	4	3	2
	24UCAPDSC306	Data Mining	300-399	4	3	2
VII	24UCAPDSC401	Research Methodology	400-499	4	4	0
	24UCAPDSC402	Software Testing Methodologies	400-499	4	4	0
	24UCAPDSC403	Design and Analysis of Algorithms	400-499	4	4	0
	24UCAPDSC404	Artificial Intelligence	400-499	4	3	2
	24UCAPDSC405	Internet of Things	400-499	4	4	0
	24UCAPDSC406	Big Data Analytics	400-499	4	4	0
VIII	24UCAPDSC407	Research and Publication Ethics	400-499	4	5	0
	24UCAPDSC408	Deep Learning	400-499	4	3	2
DISCIPLINE SPECIFIC ELECTIVE COURSES (DSE)						
V / VI	24UCAPDSE301	Microprocessors and Assembly Language Programming using 8086	300-399	4	3	2
	24UCAPDSE302	System Software	300-399	4	4	0
	24UCAPDSE303	Introduction to Cloud Technology	300-399	4	4	0
	24UCAPDSE304	R Programming	300-399	4	3	2
	24UCAPDSE305	Basic Android	300-399	4	3	2
	24UCAPDSE306	Network Security	300-399	4	4	0
	24UCAPDSE307	Theory of Automata	300-399	4	4	0
	24UCAPDSE308	Computer Graphics	300-399	4	4	0
	24UCAPDSE309	Image Processing	300-399	4	4	0
VIII	24UCAPDSE401	Natural Language Processing	400-499	4	3	2
DISCIPLINE SPECIFIC COURSES (DSC) – Computer Science - Minor Pathway						
I	24UCAPDSC103	Desktop Engineering	100-199	4	3	2
II	24UCAPDSC105	Information Technologies	100-199	4	3	2
III/IV	24UCAPDSC207	Basic Python	200-299	4	3	2
	24UCAPDSC208	Digital Marketing	200-299	4	3	2
DISCIPLINE SPECIFIC COURSES (DSC) – Business Analytics - Minor Pathway						
I	24UCAPDSC104	Introduction to Analytics with Excel	100-199	4	3	2
II	24UCAPDSC106	Fundamentals of Business Analytics with Python	100-199	4	3	2

SEM	Course Code	Course Title	Course Level	Credit	Hours per Week	
					Theory	Practical
III/IV	24UCAPDSC209	Business Intelligence and Data Visualization using Power BI	200-299	4	3	2
MULTIDISCIPLINARY COURSES (MDC)						
I	24UCAPMDC101	Computer Hardware and Assembling	100-199	3	2	2
	24UCAPMDC102	Cyber Laws and Online safety	100-199	3	2	2
II	24UCAPMDC103	Basic IT Tools	100-199	3	2	2
III	24UCAPMDC201	Web Designing	200-299	3	2	1
	24UCAPMDC202	Sports Analytics	200-299	3	2	1
SKILL ENHANCEMENT COURSES (SEC)						
IV	24UCAPSEC201	Advanced Excel	200-299	3	3	0
	24UCAPSEC202	Digital Fluency	200-299	3	3	0
V	24UCAPSEC301	AI Tools	300-399	3	3	0
VI	24UCAPSEC302	Technical Writing using LATEX	300-399	3	3	0
VALUE ADDITION COURSES (VAC)						
III	24UCAPVAC201	IT, Environment and Holistic Living	200-299	3	3	0
IV	24UCAPVAC202	Green Computing	200-299	3	3	0
	24UCAPVAC203	Information and Cyber Ethics	200-299	3	3	0
V	24UCAPVAC301	Cyber Forensics and Data Security	300-399	3	3	0
	24UCAPVAC302	Cyber Security and Ethical Hacking	300-399	3	3	0
	24UCAPVAC303	Emerging Technologies in Computer Science	300-399	3	3	0
	24UCAPVAC304	Health and Wellness	300-399	3	3	0
	24UCAPVAC305	Fundamentals of Digital Health Analytics	300-399	3	3	0

11. BCA

SEM	Course Code	Course Title	Course Level	Credit	Hours per Week	
					Theory	Practical
DISCIPLINE SPECIFIC COURSES (DSC)						
I	24UBCADSC101	Programming in C	100-199	4	3	2
	24UBCADSC102	Computer Organization	100-199	4	3	2
II	24UBCADSC103	OOPS with C++	100-199	4	3	2

SEM	Course Code	Course Title	Course Level	Credit	Hours per Week	
					Theory	Practical
	24UBCADSC104	Linux Operating System	100-199	4	3	2
III	24UBCADSC201	Programming in Python	200-299	4	3	2
	24UBCADSC202	DBMS	200-299	4	3	2
	24UBCADSC203	Data Structures using C++	200-299	4	3	2
	24UBCADSC204	Digital Electronics	200-299	4	4	0
IV	24UBCADSC205	Programming in Java	200-299	4	3	2
	24UBCADSC206	Introduction to Cloud Technology	200-299	4	3	2
	24UBCADSC207	Advanced Web Technologies	200-299	4	3	2
	24UBCADSC208	Operating System	200-299	4	4	0
V	24UBCADSC301	Full Stack Development	300-399	4	3	2
	24UBCADSC302	Computer Networks	300-399	4	4	0
	24UBCADSC303	Software Engineering	300-399	4	4	0
VI	24UBCADSC304	Mobile App Development	300-399	4	3	2
	24UBCADSC305	Software Development	300-399	4	3	2
	24UBCADSC306	Cloud Infrastructure and Management Mechanisms	300-399	4	4	0
VII	24UBCADSC401	Research Methodology	400-499	4	4	0
	24UBCADSC402	Software Testing Methodologies	400-499	4	4	0
	24UBCADSC403	Design and Analysis of Algorithms	400-499	4	4	0
	24UBCADSC404	Principles of Virtualization	400-499	4	4	0
	24UBCADSC405	Advanced Android	400-499	4	3	2
	24UBCADSC406	DevOps	400-499	4	4	0
VIII	24UBCADSC407	Research and Publication Ethics	400-499	4	5	0
	24UBCADSC408	Android Development with ML	400-499	4	3	2
DISCIPLINE SPECIFIC ELECTIVE COURSES (DSE)						
V / VI	24UBCADSE301	Server Operating System	300-399	4	3	2
	24UBCADSE302	Microprocessors and Assembly Language Programming using 8086	300-399	4	3	2
	24UBCADSE303	Data Mining	300-399	4	3	2
	24UBCADSE304	Network Security	300-399	4	4	0
	24UBCADSE305	Theory of Automata	300-399	4	4	0
	24UBCADSE306	System Software	300-399	4	4	0
	24UBCADSE307	Introduction to Data Science	300-399	4	3	2

SEM	Course Code	Course Title	Course Level	Credit	Hours per Week	
					Theory	Practical
	24UBCADSE308	Computer Graphics	300-399	4	3	2
	24UBCADSE309	Machine Learning	300-399	4	3	2
VIII	24UBCADSE401	Blockchain Technologies	400-499	4	3	2
DISCIPLINE SPECIFIC COURSES (DSC) - Minor Pathway						
I	24UBCADSC105	Foundations of Digital Literacy	100-199	4	3	2
II	24UBCADSC106	Financial Data Analysis using Excel	100-199	4	3	2
III	24UBCADSC209	Information Systems for Business	200-299	4	3	2
MULTIDISCIPLINARY COURSES (MDC)						
I	24UCAPMDC101	Computer Hardware and Assembling	100-199	3	2	2
	24UCAPMDC102	Cyber Laws and Online safety	100-199	3	2	2
II	24UCAPMDC103	Basic IT Tools	100-199	3	2	2
III	24UCAPMDC201	Web Designing	200-299	3	2	1
	24UCAPMDC202	Sports Analytics	200-299	3	2	1
SKILL ENHANCEMENT COURSES (SEC)						
IV	24UCAPSEC201	Advanced Excel	200-299	3	3	0
	24UCAPSEC202	Digital Fluency	200-299	3	3	0
V	24UCAPSEC301	AI Tools	300-399	3	3	0
VI	24UCAPSEC302	Technical Writing using LATEX	300-399	3	3	0
VALUE ADDITION COURSES (VAC)						
III	24UCAPVAC201	IT, Environment and Holistic Living	200-299	3	3	0
IV	24UCAPVAC202	Green Computing	200-299	3	3	0
	24UCAPVAC203	Information and Cyber Ethics	200-299	3	3	0
V	24UCAPVAC301	Cyber Forensics and Data Security	300-399	3	3	0
	24UCAPVAC302	Cyber Security and Ethical Hacking	300-399	3	3	0
	24UCAPVAC303	Emerging Technologies in Computer Science	300-399	3	3	0
	24UCAPVAC304	Health and Wellness	300-399	3	3	0
	24UCAPVAC305	Fundamentals of Digital Health Analytics	300-399	3	3	0

**12. BBA – INTEGRATED MARKETING & NEW MEDIA &
BBA – BUSINESS ANALYTICS**

SEM	Course Code	Course Title	Course Level	Credit	Hours per Week	
					Theory	Practical
DISCIPLINE SPECIFIC COURSES (DSC)						
BBA – Integrated Marketing and New Media & BBA – Business Analytics						
I	24UBBADSC101	Introduction to Management Principles	100-199	4	4	0
II	24UBBADSC104	Business Environment	100-199	4	4	0
III	24UBBADSC201	Human Resource Management	200-299	4	4	0
III	24UBBADSC202	Marketing Management	200-299	4	4	0
IV	24UBBADSC203	Financial Management	200-299	4	4	0
IV	24UBBADSC204	Digital Marketing	200-299	4	4	0
IV	24UBBADSC205	Business Intelligence and Data Visualisation (Power BI)	200-299	4	3	1
V	24UBBADSC301	Business Law	300-399	4	4	0
V	24UBBADSC302	Business Ethics & Sustainable Development	300-399	4	4	0
V	24UBBADSC303	Managerial Economics	300-399	4	4	0
VI	24UBBADSC304	Operations Management	300-399	4	4	0
VII	24UBBADSC401	Research Methodology	400-499	4	4	0
VIII	24UBBADSC402	Strategic Management	400-499	4	4	0
DISCIPLINE SPECIFIC ELECTIVE COURSES (DSE)						
Specialization Courses for BBA – Integrated Marketing and New Media						
III	24UBBADSE201	Entrepreneurship Development	200-299	4	4	0
V	24UBBADSE301	Integrated Marketing & Communication	300-399	4	4	0
V	24UBBADSE302	Public Relations & Corporate Communication	300-399	4	4	0
VI	24UBBADSE306	Organisational Behaviour	300-399	4	4	0
VI	24UBBADSE307	Brand Management	300-399	4	4	0
VI	24UBBADSE308	Service Marketing	300-399	4	4	0
VII	24UBBADSE401	Management Information System	400-499	4	4	0
VII	24UBBADSE402	Retail Management	400-499	4	4	0
VIII	24UBBADSE408	Marketing Research	400-499	4	4	0

SEM	Course Code	Course Title	Course Level	Credit	Hours per Week	
					Theory	Practical
DISCIPLINE SPECIFIC ELECTIVE COURSES (DSE)						
Specialization Courses for BBA – Business Analytics						
III	24UBBADSE202	Working With Excel	200-299	4	3	1
V	24UBBADSE303	Data Analysis Using R	300-399	4	3	1
V	24UBBADSE304	Working With Dash Boards	300-399	4	3	1
VI	24UBBADSE309	Business Analytics for Decision Making	300-399	4	4	0
VI	24UBBADSE310	Applications of Business Analytics	300-399	4	3	1
VI	24UBBADSE311	Statistics for Business Analytics	300-399	4	3	1
VII	24UBBADSE403	New Technology in Business – Business Transformation Using AI and Analytics	400-499	4	4	0
VII	24UBBADSE404	DBMS	400-499	4	3	1
VIII	24UBBADSE409	Data Mining and Machine Learning	400-499	4	3	1
DISCIPLINE SPECIFIC ELECTIVE COURSES (DSE)						
III	24UBBADSE203	Tourism Principles and Practices	200-299	4	4	0
III	24UBBADSE204	Business Accounting	200-299	4	4	0
IV	24UBBADSE205	Business Mathematics and Quantitative Techniques	200-299	4	4	0
IV	24UBBADSE206	Consumer Behaviour	200-299	4	4	0
V	24UBBADSE305	Industrial Relation	300-399	4	4	0
VI	24UBBADSE312	Channel Dynamics in Sales & Distribution	300-399	4	4	0
VI	24UBBADSE313	Mastering Event Management	300-399	4	4	0
VII	24UBBADSE405	Media Management	400-499	4	4	0
VII	24UBBADSE406	Design Thinking	400-499	4	4	0
VII	24UBBADSE407	Rural Marketing	400-499	4	4	0
VIII	24UBBADSE410	Operations Research	400-499	4	4	0
VIII	24UBBADSE411	International Marketing	400-499	4	4	0
VIII	24UBBADSE412	Supply Chain Management	400-499	4	4	0
DISCIPLINE SPECIFIC COURSES (DSC) – Management – Single Minor Pathway						

SEM	Course Code	Course Title	Course Level	Credit	Hours per Week	
					Theory	Practical
I	24UBBADSC101	Introduction to Management Principles	100-199	4	4	0
I	24UBBADSC102	General Business Management	100-199	4	4	0
II	24UBBADSC104	Business Environment	100-199	4	4	0
II	24UBBADSC105	Fundamentals of Marketing	100-199	4	4	0
III	24UBBADSC201	Human Resource Management	200-299	4	4	0
IV	24UBBADSC203	Financial Management	200-299	4	4	0
DISCIPLINE SPECIFIC COURSES (DSC) – Management – Multiple Minor Pathway						
I	24UBBADSC101	Introduction to Management Principles	100-199	4	4	0
II	24UBBADSC104	Business Environment	100-199	4	4	0
III/IV	24UBBADSC201	Entrepreneurship Development	200-299	4	4	0
DISCIPLINE SPECIFIC COURSES (DSC) – Marketing – Single Minor Pathway						
I	24UBBADSC101	Introduction to Management Principles	100-199	4	4	0
I	24UBBADSC102	General Business Management	100-199	4	4	0
II	24UBBADSC104	Business Environment	100-199	4	4	0
II	24UBBADSC105	Fundamentals Of Marketing	100-199	4	4	0
III	24UBBADSE201	Entrepreneurship Development	200-299	4	4	0
IV	24UBBADSC204	Digital Marketing	200-299	4	4	0
DISCIPLINE SPECIFIC COURSES (DSC) – Marketing – Multiple Minor Pathway						
I	24UBBADSC102	General Business Management	100-199	4	4	0
II	24UBBADSC105	Fundamentals Of Marketing	100-199	4	4	0
III/IV	24UBBADSC204	Digital Marketing	200-299	4	4	0
DISCIPLINE SPECIFIC COURSES (DSC) – Tourism Management – Single Minor Pathway						
I	24UBBADSC103	Introduction To Tourism	100-199	4	3	2
II	24UBBADSC106	Sustainable Tourism	100-199	4	3	2
III	24UBBADSE203	Tourism Principles and Practices	200-299	4	3	2
MULTIDISCIPLINARY COURSES (MDC)						
I	24UBBAMDC101	Social Media Marketing	100-199	3	2	2

SEM	Course Code	Course Title	Course Level	Credit	Hours per Week	
					Theory	Practical
II	24UBBAMDC102	Foundation Of Business Analytics with Excel	100-199	3	2	2
II	24UBBAMDC103	Event Management	100-199	3	2	2
III	24UBBAMDC201	Innovation And Entrepreneurship	200-299	3	3	0
SKILL ENHANCEMENT COURSES (SEC)						
IV	24UBBASEC201	SQ, EQ & YOGA for Performance Enhancement	200-299	3	3	0
V	24UBBASEC301	Corporate Readiness	300-399	3	3	0
VI	24UBBASEC302	Leadership Skills	300-399	3	3	0
VALUE ADDITION COURSES (VAC)						
V	24UBBAVAC301	AI Tools for Managers	300-399	3	3	0
VI	24UBBAVAC302	Investment & Portfolio Skills	300-399	3	3	0
SIGNATURE COURSES (SIG)						
IV	24UBBASEC201	SQ, EQ & YOGA for Performance Enhancement	200-299	3	3	0
VI	24UBBADSE312	Channel Dynamics in Sales & Distribution	300-399	4	4	0

13. PSYCHOLOGY

SEM	Course Code	Course Title	Course Level	Credit	Hours per week	
					Theory	Practical
DISCIPLINE SPECIFIC COURSES (DSC)						
1	24UPSYDSC101	Introduction to Psychology	100-199	4	3	2
2	24UPSYDSC104	Basic Cognitive Processes	100-199	4	3	2
3	24UPSYDSC201	Living in the Social World	200-299	4	3	2
3	24UPSYDSC202	The Shaping of Self: From Infancy to Adolescence	200-299	4	3	2
4	24UPSYDSC204	Adulthood and Aging: Understanding the Changing Mind	200-299	4	3	2
4	24UPSYDSC205	Fundamentals of Psychopathology	200-299	4	4	0
5	24UPSYDSC301	Approaches to Counselling	300-399	4	4	0
6	24UPSYDSC302	Integrating Counselling Techniques	300-399	4	4	0

SEM	Course Code	Course Title	Course Level	Credit	Hours per week	
					Theory	Practical
6	24UPSYDSC303	Research Methods in Psychology	300-399	4	4	0
7	24UPSYDSC401	Psychometric testing and scale construction	400-499	4	3	2
8	24UPSYDSC402	Cognitive Psychology	400-499	4	4	0
DISCIPLINE SPECIFIC COURSES (DSC) MINOR PATHWAY - PSYCHOLOGY (For Students of Other Programmes):						
1	24UPSYDSC101	Introduction to Psychology	100-199	4	3	2
1	24UPSYDSC102	Understanding and Influencing Others	100-199	4	3	2
2	24UPSYDSC104	Basic Cognitive Processes	100-199	4	3	2
2	24UPSYDSC105	Social Influence, Group Dynamics and Social Self	100-199	4	3	2
3	24UPSYDSC201	Living in the Social World	200-299	4	3	2
3	24UPSYDSC202	The Shaping of Self: From Infancy to Adolescence	200-299	4	3	2
3	24UPSYDSE201	Beyond the Binary: Sex and Gender in the Modern Mind	200-299	4	4	0
3	24UPSYDSE202	Psychology of Storytelling	200-299	4	3	2
4	24UPSYDSC209	Social Interactions and Human Behaviour	200-299	4	3	2
4	24UPSYDSC204	Adulthood and Aging: Understanding the Changing Mind	200-299	4	3	2
4	24UPSYDSE205	Psychology of Management: Unleashing the Potential of People and Organization	200-299	4	4	0
4	24UPSYDSE206	From Pixels to Perception: The Science of Visual Communication and Design	200-299	4	3	2
5	24UPSYDSC301	Approaches to Counselling	300-399	4	4	0
5	24UPSYDSE302	Foundations of Organisational Behaviour	300-399	4	4	0
5	24UPSYDSE303	Environmental Psychology: Unraveling the Mind-Nature Connection	300-399	4	4	0
5	24UPSYDSE304	Community Psychology	300-399	4	4	0
5	24UPSYDSE305	Positive Psychology: Cultivating Strengths, Resilience, and Optimal Living	300-399	4	4	0
5	24UPSYDSE306	Psychology of Health	300-399	4	4	0
6	24UPSYDSE308	Managing Behaviour in Organisations	300-399	4	4	0
6	24UPSYDSE309	Essential Principles of Educational Psychology	300-399	4	4	0
6	24UPSYDSE310	The Psychology of Sports: Optimizing Performance and Well-being	400-499	4	4	0
7	24UPSYDSE402	Advertisement Psychology: Decoding Persuasion Strategies	400-499	4	4	0
7	24UPSYDSE404	Basics of Indian Psychology	400-499	4	4	0

SEM	Course Code	Course Title	Course Level	Credit	Hours per week	
					Theory	Practical
7	24UPSYDSE405	Cyber Psychology	400-499	4	4	0
7	24UPSYDSE406	Economic Psychology	400-499	4	4	0
7	24UPSYDSE407	Theories of Personality	400-499	4	4	0
DISCIPLINE SPECIFIC ELECTIVE COURSES (DSE)						
3	24UPSYDSE201	Beyond the Binary: Sex and Gender in the Modern Mind	200-299	4	4	0
3	24UPSYDSE202	Psychology of Storytelling	200-299	4	3	2
4	24UPSYDSE203	Social Interactions and Human Behaviour	200-299	4	3	2
4	24UPSYDSE204	Psychology of Management: Unleashing the Potential of People and Organization	200-299	4	4	0
4	24UPSYDSE205	From Pixels to Perception: The Science of Visual Communication and Design	200-299	4	3	2
5	24UPSYDSE301	Statistics for Behavioural Sciences	300-399	4	3	2
5	24UPSYDSE302	Foundations of Organisational Behaviour	300-399	4	4	0
5	24UPSYDSE303	Environmental Psychology: Unraveling the Mind-Nature Connection	300-399	4	4	0
5	24UPSYDSE304	Community Psychology	300-399	4	4	0
5	24UPSYDSE305	Positive Psychology: Cultivating Strengths, Resilience, and Optimal Living	300-399	4	4	0
5	24UPSYDSE306	Psychology of Health	300-399	4	4	0
5	24UPSYDSE307	Media Psychology	300-399	4	4	0
6	24UPSYDSE308	Managing Behaviour in Organisations	300-399	4	4	0
6	24UPSYDSE309	Essential Principles of Educational Psychology	300-399	4	4	0
6	24UPSYDSE310	The Psychology of Sports: Optimizing Performance and Well-being	400-499	4	4	0
7	24UPSYDSE401	Foundations of Clinical Psychology	400-499	4	4	0
7	24UPSYDSE402	Advertisement Psychology: Decoding Persuasion Strategies	400-499	4	4	0
7	24UPSYDSE403	Neuropsychology	400-499	4	4	0
7	24UPSYDSE404	Basics of Indian Psychology	400-499	4	4	0
7	24UPSYDSE405	Cyber Psychology	400-499	4	4	0
7	24UPSYDSE406	Economic Psychology	400-499	4	4	0
7	24UPSYDSE407	Theories of Personality	400-499	4	4	0
8	24UPSYDSE408	Practice in Clinical Psychology	400-499	4	4	0

SEM	Course Code	Course Title	Course Level	Credit	Hours per week	
					Theory	Practical
8	24UPSYDSE409	Minds Behind Bars: Exploring Criminal Psychology and the Legal Labyrinth	400-499	4	4	0
8	24UPSYDSE410	Cultural Psychology	400-499	4	4	0
8	24UPSYDSE411	Consumer Psychology: Understanding the Why Behind the Buy	400-499	4	4	0
MULTIDISCIPLINARY COURSES (MDC)						
1	24UPSYMDC101	Understanding Self and Others	100-199	4	3	2
2	24UPSYMDC102	Psychology in Varied Contexts	100-199	4	3	2
3	24UPSYMDC201	Understanding Mind through Indian Knowledge Systems	100-199	4	4	0
SKILL ENHANCEMENT COURSES (SEC)						
4	24UPSYSEC201	Life Skills Development	200-299	4	4	0
4	24UPSYSEC202	Negotiation Skills: Mastering the Art of the Deal	200-299	4	4	0
5	24UPSYSEC301	Transactional Analysis and Neuro Linguistic Programming	300-399	4	4	0
6	24UPSYSEC302	Academic Writing in Psychology	300-399	4	4	0
VALUE ADDITION COURSES (VAC)						
3	24UPSYVAC201	Management of Emotions and Stress	200-299	4	4	0
4	24UPSYVAC202	The Science of Happiness	200-299	4	4	0
6	24UPSYVAC301	Professionalism and Ethics	300-399	4	4	0
SIGNATURE COURSES						
4	24UPSYDSE206	From Pixels to Perception: The Science of Visual Communication and Design	200-299	4	3	2
4	24UPSYSEC202	Negotiation Skills: Mastering the Art of the Deal	200-299	4	4	0
4	24UPSYVAC202	The Science of Happiness	200-299	4	4	0
6	24UPSYSEC302	Academic Writing in Psychology	300-399	4	4	0

14. ECONOMETRICS (ECONOMICS, MATHEMATICS, STATISTICS)

SEM	Course Code	Course Title	Course Level	Credit	Hours per Week	
					Theory	Practical
DISCIPLINE SPECIFIC COURSES (DSC)						
I	24UEMSDSC101	Introduction to Economics-I	100-199	4	3	2
I	24UEMSDSC102	Essential Mathematics for Economics	100-199	4	3	2

SEM	Course Code	Course Title	Course Level	Credit	Hours per Week	
					Theory	Practical
I	24UEMSDSC103	Fundamentals of Statistics and Data visualisation	100-199	4	3	2
II	24UEMSDSC104	Introduction to Economics-II	100-199	4	3	2
II	24UEMSDSC105	Differential Calculus and applications	100-199	4	3	2
II	24UEMSDSC106	Theory of Random Variables and Statistical Distributions	100-199	4	3	2
III	24UEMSDSC201	Microeconomic Analysis	200-299	4	3	2
III	24UEMSDSC202	Macroeconomic Analysis	200-299	4	3	2
III	24UEMSDSC203	Integral Calculus and applications	200-299	4	3	2
III	24UEMSDSC204	Data Analysis in inferential Statistics using R/Python	200-299	4	3	2
IV	24UEMSDSC205	Economics of Growth, Development and Environment	200-299	4	3	2
IV	24UEMSDSC206	Public Finance	200-299	4	4	0
IV	24UEMSDSC207	Intermediate Matrix Algebra and Applications - I	200-299	4	3	2
IV	24UEMSDSC208	Statistical Tools for Qualitative Research	200-299	4	3	2
V	24UEMSDSC301	Indian Economy	300-399	4	4	0
V	24UEMSDSC302	Introduction to Econometrics	300-399	4	4	0
V	24UEMSDSC303	Advanced Matrix Algebra and applications	300-399	4	3	2
V	24UEMSDSC304	Intermediate Optimization Methods	300-399	4	3	2
V	24UEMSDSC305	Sample Survey Analysis and Design of Experiments	300-399	4	3	2
VI	24UEMSDSC306	International Economics	300-399	4	3	2
VI	24UEMSDSC307	Intermediate Econometrics	300-399	4	3	2
VI	24UEMSDSC308	Advanced optimization Methods	300-399	4	3	2
VI	24UEMSDSC309	Time Series Analysis and Stochastic Process	300-399	4	3	2
VII	24UEMSDSC401	Research Methodology for Economics	400-499	4	4	0
VII	24UEMSDSC402	Mathematical Economics	400-499	4	4	0
VII	24UEMSDSC403	Advanced Microeconomic Theory	400-499	4	4	0

SEM	Course Code	Course Title	Course Level	Credit	Hours per Week	
					Theory	Practical
VII	24UEMSDSC404	Differential Equations and Difference Equations	400-499	4	3	2
VII	24UEMSDSC405	Multivariate Data Analysis	400-499	4	3	2
VII	24UEMSDSC406	Analytical Tools for Multivariate Analysis and Multivariate Distributions	400-499	4	3	2
VIII	24UEMSDSC407	Advanced Econometrics	400-499	4	4	0
VIII	24UEMSDSC408	Financial Markets	400-499	4	4	0

15. JOURNALISM & MASS COMMUNICATION

SEM	Course Code	Course Title	Course Level	Credit	Hours per Week	
					Theory	Practical
DISCIPLINE SPECIFIC COURSES (DSC)						
I	24UJMCDS101	Principles of News Reporting	100-199	4	3	2
	24UJMCDS102	Introduction to Communication	100-199	4	3	2
	24UJMCDS103	Introduction to Visual Communication	100-199	4	3	2
II	24UJMCDS104	Print Media: Design and Production	100-199	4	3	2
	24UJMCDS105	Fundamentals of Audio Production	100-199	4	3	2
	24UJMCDS106	Introduction to Cinema	100-199	4	3	2
III	24UJMCDS201	Television Production: Principles and Practices	200-299	4	3	2
	24UJMCDS202	Videography and Editing	200-299	4	3	2
IV	24UJMCDS203	Advertising: Theory and Practice	200-299	4	3	2
	24UJMCDS204	Corporate Communication and PR Management	200-299	4	3	2
V	24UJMCDS301	Media Laws and Ethics	300-399	4	3	2
	24UJMCDS302	Documentary Production	300-399	4	3	2
VI	24UJMCDS303	New Media Journalism	300-399	4	3	2
	24UJMCDS304	Mass Media Research	300-399	4	3	2
VII	24UJMCDS401	Advanced Media Research	400-499	4	3	2
	24UJMCDS402	Environmental Journalism	400-499	4	4	0
	24UJMCDS403	Information Design for Media	400-499	4	4	0
	24UJMCDS404	Film Theories	400-499	4	4	0

SEM	Course Code	Course Title	Course Level	Credit	Hours per Week	
					Theory	Practical
	24UJMCDS405	International Communication	400-499	4	4	0
	24UJMCDS406	Critical Media Theory	400-499	4	4	0
VIII	24UJMCDS407	Transmedia Storytelling	400-499	4	3	2
	24UJMCDS408	Global Media and Politics	400-499	4	3	2
	24UJMCDS409	Inclusivity Studies and Media	400-499	4	3	2
	24UJMCDS410	Web Design and ICT Skills	400-499	4	3	2
	24UJMCDS411	Media, Marginality and Sites of Resistance	400-499	4	3	2
DISCIPLINE SPECIFIC ELECTIVE COURSES (DSE)						
III	24UJMCDS201	Photo Journalism	200-299	4	3	2
	24UJMCDS202	Magazine Journalism	200-299	4	3	2
III	24UJMCDS203	Writing for Cinema	200-299	4	4	0
	24UJMCDS204	Media in India: Historical Perspective	200-299	4	4	0
IV	24UJMCDS205	Mobile Journalism	200-299	4	3	2
	24UJMCDS206	Business Journalism	200-299	4	3	2
IV	24UJMCDS207	Media Management	200-299	4	4	0
	24UJMCDS208	Media Psychology	200-299	4	4	0
V	24UJMCDS301	Media Entrepreneurship	300-399	4	4	0
	24UJMCDS302	Development Communication	300-399	4	4	0
VI	24UJMCDS303	Sports Journalism	300-399	4	4	0
	24UJMCDS304	Science and Health Journalism	300-399	4	4	0
V	24UJMCDS305	Media and Modernity in Kerala	300-399	4	4	0
	24UJMCDS306	Technical Writing & Content Development	300-399	4	4	0
VI	24UJMCDS307	Media, Culture and Society	300-399	4	4	0
	24UJMCDS308	Data Journalism	300-399	4	4	0
VI	24UJMCDS309	Immersive Technologies for Media	300-399	4	4	0
	24UJMCDS310	Integrated Marketing Communication	300-399	4	4	0
DISCIPLINE SPECIFIC COURSES (DSC) – Mass Communication - Minor Pathway						
I	24UJMCDS102	Introduction to Communication	100-199	4	3	2
II	24UJMCDS106	Introduction to Cinema	100-199	4	3	2

SEM	Course Code	Course Title	Course Level	Credit	Hours per Week	
					Theory	Practical
III/IV	24UJMC DSC204	Corporate Communication and PR Management	200-299	4	3	2
DISCIPLINE SPECIFIC COURSES (DSC) – Journalism - Minor Pathway						
I	24UJMC DSC101	Principles of News Reporting	100-199	4	3	2
II	24UJMC DSC104	Print Media: Design and Production	100-199	4	3	2
III/IV	24UJMC DSC205	Business Journalism	200-299	4	3	2
	24UJMC DSC206	Mobile Journalism	200-299	4	3	2
MULTIDISCIPLINARY COURSES (MDC)						
I	24UJMC MDC101	Photo Journalism	100-199	3	2	2
II	24UJMC MDC102	Anchoring and Presentation skills for Media	100-199	3	2	2
III	24UJMC MDC201	Ad Film Making	200-299	3	3	0
SKILL ENHANCEMENT COURSES (SEC)						
IV	24UJMC SEC201	Social Media Content Development	200-299	3	3	0
V	24UJMC SEC301	Social Media Influencer Marketing	300-399	3	3	0
VI	24UJMC SEC302	Branding for Start-Ups	300-399	3	3	0
VALUE ADDITION COURSES (VAC)						
III	24UJMC VAC201	Citizen Journalism	200-299	3	3	0
IV	24UJMC VAC201	AI and Media	200-299	3	3	0
VI	24UJMC VAC301	Media and Human Rights	300-399	3	3	0
SIGNATURE COURSES (SIG)						
-	24UJMCSIG301	Storytelling for All	300-399	4	0	0

16. ANIMATION & VISUAL EFFECTS

Syllabus for Discipline Specific Courses (DSC)

SEM	Courses	Course Code	Course Name	Course Stream	Level	Credit	Hour/Week		
							L	T	P
I	01	24UAVEDSC101	Basics of Animation Drawing	Animation	100-199	4	0	3	2
	02	24UAVEDSC102	Raster Graphics & Photography	Visual Effects	100-199	4	0	3	2
	03	24UAVEDSC103	History of Animation and Visual Effects	Visual Effects	100-199	4	2	1	2

II	04	24UAVEDSC104	Character Design for Animation	Animation	100-199	4	0	3	2
	05	24UAVEDSC105	Introduction to Digital Painting	Visual Effects	100-199	4	0	3	2
	06	24UAVEDSC106	Motion Graphics Essentials	Visual Effects	100-199	4	0	3	2
III	07	24UAVEDSC201	3D Art Foundation	Animation	200-299	4	0	3	2
	08	24UAVEDSC202	Planning for Animation	Animation	200-299	4	0	4	0
	09	24UAVEDSC203	Basics of Compositing	Visual Effects	200-299	4	0	3	2
	10	24UAVEDSC204	Visual Effects Cinematography	Visual Effects	200-299	4	0	4	0
IV	11	24UAVEDSC205	Traditional Animation	Animation	200-299	4	0	3	2
	12	24UAVEDSC206	Advanced Matte Painting for VFX	Visual Effects	200-299	4	0	3	2
V	13	24UAVEDSC301	Art of Stop motion	Animation	300-399	4	0	3	2
	14	24UAVEDSC302	Basic Dynamics & Simulations	Animation	300-399	4	0	4	0
	15	24UAVEDSC303	Advanced Compositing for VFX	Visual Effects	300-399	4	0	3	2
	16	24UAVEDSC304	Animation Project	Animation	300-399	4	0	2	4
	17	24UAVEDSC305	VFX Project	Visual Effects	300-399	4	0	3	2
VII	18	24UAVEDSC401	Advanced Character Motion	Animation	400-499	4	0	3	2
	19	24UAVEDSC402	Advanced Character Motion	Animation	400-499	4	0	3	2
	20	24UAVEDSC403	Applied Animation and Visual Effects	Animation	400-499	4	0	4	0
	21	24UAVEDSC404	AR & VR Fusion	Visual Effects	400-499	4	0	4	0
	22	24UAVEDSC405	Visual Effects Film Analysis	Visual Effects	400-499	4	0	4	0
VIII	23	24UAVEDSC406	3D Sculpting for Character	Animation	400-499	4	0	3	2
	24	24UAVEDSC407	CG Lighting and Rendering	Animation	400-499	4	0	3	2

Syllabus for Discipline Specific Elective Courses (DSE)

SEM	Courses	Course Code	Course Name	Course Stream	Level	Credit	Hour/ Week		
							L	T	P
IV	1	24UAVEDSE201	3D Character Creation	Animation	200-299	4	0	3	2
	2	24UAVEDSE202	3D Background Art for Film						
	3	24UAVEDSE203	Art of Miniature Film making	Visual Effects	200-299	4	0	4	0
	4	24UAVEDSE204	Digital Colour Correction & Colour Grading						
V	5	24UAVEDSE301	Rigging for 3D Animation	Animation	300-399	4	0	4	0
	6	24UAVEDSE302	3D Visual Aesthetics						
	7	24UAVEDSE303	3D Character Motion	Animation	300-399	4	0	4	0
	8	24UAVEDSE304	Expressive Digital Animation						

VI	9	24UAVEDSE305	Advanced Lighting and Rendering for 3D	Animation	300-399	4	0	4	0	
	10	24UAVEDSE306	Product Visualisation for Animation							
	11	24UAVEDSE307	Pitching for Animation	Animation	300-399	4	0	4	0	
	12	24UAVEDSE308	2D Digital Animation							
	13	24UAVEDSE309	Research Methodology for Media Arts							
VII	14	24UAVEDSE401	Animation Film Analysis	Animation	400-499	4	0	3	2	
	15	24UAVEDSE402	Particle and Fluid Dynamics							
VIII	16	24UAVEDSE403	Project	Project/ Capstone Project	400-499	12			15	
	17	24UAVEDSE404	Practice Based Research Methodology for Media Arts- Animation		400-499	8+4				
	18	24UAVEDSE405	3D Game-Design							
	19	24UAVEDSE406	3D Printing Techniques for Movies							

Syllabus for Discipline Specific Course (Minors)**Discipline: Animation**

SEM	Courses	Course Code	Course Name	Course Stream	Level	Credit	Hour/ Week		
							L	T	P
I	1	24UAVEDSC101	Basics of Animation Drawing	Animation	100-199	4	0	3	2
III	4	24UAVEDSC201	3D Art Foundation	Animation	200-299	4	0	3	2
V	6	24UAVEDSC301	Art of Stop motion	Animation	300-399	4	0	3	2

Discipline: Visual Effects

SEM	Courses	Course Code	Course Name	Course Stream	Level	Credit	Hour/ Week		
							L	T	P
I	1	24UAVEDSC102	Raster Graphics	Visual Effects	100-199	4	0	3	2
II	3	24UAVEDSC106	Motion Graphics Essentials	Visual Effects	100-199	4	0	3	2
IV	5	24UAVEDSC203	Basics of Compositing	Visual Effects	200-299	4	0	3	2

Syllabus for Multi-Disciplinary Courses (MDC)

SEM	Courses	Course Code	Course Name	Course Stream	Level	Credit	Hour/ Week		
							L	T	P
I	1	24UAVEMDC101	Basics of 2D Digital Animation	Animation	100-199	3	0	2	2
II	2	24UAVEMDC102	Art of Editing	Animation	100-199	3	0	2	2
III	3	24UAVEMDC201	Introduction of Visual Effects	Animation & Visual Effects	200-299	3	0	2	2

Syllabus for Skill Enhancement Courses (SEC)

SEM	Courses	Course Code	Course Name	Course Stream	Level	Credit	Hour/ Week		
							L	T	P
IV	1	24UAVESEC201	Artistic Production for Industry	Animation	200-299	3	0	3	0
V	2	24UAVESEC301	Demo Reel	Portfolio	300-399	3	0	3	0
VI	3	24UAVESEC302	Crafting Sound for Animation	Animation	300-399	3	0	3	0

Syllabus for Value Addition Courses (VAC)

SEM	Courses	Course Code	Course Name	Course Stream	Level	Credit	Hour/ Week		
							L	T	P
III	1	24UAVEVAC201	Art of Self Defence & Fitness	Self Defence	200-299	3	0	3	0
IV	2	24UAVEVAC202	Sustainable Development and Ecology	Environmental Science	200-299	3	3	0	0
VI	3	24UAVEVAC301	Cyber Security Vigilance	Cyber Security	300-399	3	3	0	0

Syllabus for Signature Courses (SIG)

SEM	Courses	Course Code	Course Name	Course Stream	Level	Credit	Hour/ Week		
							L	T	P
III	1	24UAVESIG201	Visual Editing and Sound Design	Animation	200-299	4	0	3	2
IV	2	24UAVESIG301	Explore in Experimental Animation	Animation	300-399	4	0	3	2
VI	3	24UAVESIG302	Mastering the Craft of Ideation & Orchestrating Visual Narratives	Animation	300-399	4	0	3	2

17. ANIMATION & GRAPHIC DESIGN**Syllabus for Discipline Specific Courses (DSC)**

SEM	Sl. No.	COURSE CODE	COURSE NAME	Course Stream	Level	CREDIT	Hrs/Week		
							L	T	P
I	1	24UAGDDSC101	Design Foundation	Design	100-199	4	2	1	2
	2	24UAGDDSC102	Fundamentals of Animation Drawing	Animation	100-199	4	0	3	2
	3	24UAGDDSC103	Art Through the Ages	Animation	100-199	4	2	1	2
II	4	24UAGDDSC104	Colour in Art & Design	Design	100-199	4	1	2	2
	5	24UAGDDSC105	Advanced Drawing for Animation	Animation	100-199	4	0	3	2
	6	24UAGDDSC106	Introduction to 3D	Animation	100-199	4	0	3	2
III	7	24UAGDDSC201	Typography	Design	200-299	4	0	4	0
	8	24UAGDDSC202	Design Studio	Design	200-299	4	0	3	2

	9	24UAGDDSC203	Classical Animation	Animation	200-299	4	0	3	2
	10	24UAGDDSC204	Story, Script and Storyboard	Animation	200-299	4	0	4	0
IV	11	24UAGDDSC205	User Interface Design	Design	200-299	4	0	4	0
	12	24UAGDDSC206	Brand Identity Design	Design	200-299	4	0	3	2
	13	24UAGDDSC207	Stop Motion Animation	Animation	200-299	4	0	3	2
	14	24UAGDDSC208	3D Character Arts	Animation	200-299	4	0	4	0
V	15	24UAGDDSC301	Web Design	Design	300-399	4	0	3	2
	16	24UAGDDSC302	Package Design	Design	300-399	4	0	3	2
VI	17	24UAGDDSC303	Motion Graphics & Compositing	Design	300-399	4	0	3	2
	18	24UAGDDSC304	Design Project	Design	300-399	4	0	3	2
	19	24UAGDDSC305	Animated Short Film	Animation	300-399	4	0	3	2
VII	20	24UAGDDSC401	3D Advanced Modelling and Texturing	Animation	400-499	4	0	4	0
	21	24UAGDDSC402	3D Effects and Dynamics	Animation	400-499	4	0	4	0
VIII	22	24UAGDDSC403	Printing and Publishing	Design	400-499	4	0	3	2

Syllabus for Discipline Specific Elective Courses (DSE)

SEM	SI No	COURSE CODE	COURSE NAME	Course Stream	Level	CREDIT	HRS/WEEK		
							L	T	P
V	1	24UAGDDSE301	Digital Illustration	Design	300-399	4	0	4	0
	2	24UAGDDSE302	Information Design						
	3	24UAGDDSE303	Publication Design	Design	300-399	4	0	4	0
	4	24UAGDDSE304	Art of Grid and Layout						
	5	24UAGDDSE305	3D Character Animation for Films	Animation	300-399	4	0	4	0
	6	24UAGDDSE306	3D Sculpting Techniques for Animation						
	7	24UAGDDSE307	Advanced 2D Animation						
VI	8	24UAGDDSE308	Techniques of Promotional Design	Design	300-399	4	0	4	0
	9	24UAGDDSE309	Research Methodology for Media Arts	Design					
VII	10	24UAGDDSE401	Advanced Typography	Design	400-499	4	0	3	2
	11	24UAGDDSE402	Advertising Design with Digital Marketing						
	12	24UAGDDSE403	Content Management System	Design	400-499	4	0	4	0
	13	24UAGDDSE404	Interaction Design						
	14	24UAGDDSE405	Digital Painting	Design	400-499	4	0	4	0
	15	24UAGDDSE406	User Experience Design						

	16	24UAGDDSE407	Digital Storyboarding	Animation	400-499	4	0	4	0
	17	24UAGDDSE408	2D Digital Animation						
VIII	18	24UAGDDSE409	Advanced Motion Graphics and Composition	Design	400-499	4	0	3	2
	19	24UAGDDSE410	Introduction to Metaverse Space Design						
	20	24UAGDDSE411	Project/ Dissertation	PRJ		12/8+4			15
			(or)						
			Project						
			<i>with any one of the below Capstone</i>						
	21	24UAGDDSE412	AR and VR with 3D						
	22	24UAGDDSE413	AI Assisted Animation						
	23	24UAGDDSE414	Modelling for 3D Printing						
	24	24UAGDDSE415	Dynamic Web Development						

Syllabus for Discipline Specific Courses (Minors) – Graphic Design

SEM	SI NO	COURSE CODE	COURSE NAME	Course Stream	Level	CREDIT	HRS/WEEK		
							L	T	P
I	1	24UAGDDSC101	Design Foundation	Design	100-199	4	2	1	2
II	4	24UAGDDSC104	Colour in Art & Design	Design	100-199	4	1	2	2
III	8	24UAGDDSC202	Design Studio	Design	200-299	4	0	3	2

Syllabus for Multidisciplinary Courses (MDC)

SEM	SI	COURSE CODE	COURSE NAME	Course Stream	Level	CREDIT	HRS/WEEK		
							L	T	P
I	1	24UAGDMDC101	Introduction of Design	Design	100-199	3	1	1	2
II	2	24UAGDMDC102	Basics of 3D Design	Animation	100-199	3	0	2	2
III	3	24UAGDMDC103	Introduction to Editing	Animation	200-299	3	0	2	2

Syllabus for Skill Enhancement Courses (SEC)

SEM	SI No.	COURSE CODE	COURSE NAME	Course Stream	Level	CREDIT	HRS/WEEK		
							L	T	P
IV	1	24UAGDSEC201	Design Thinking	Design	200-299	3	2	1	0
V	2	24UAGDSEC301	Calligraphy	Design	300-399	3	0	3	0
VI	3	24UAGDSEC302	Portfolio	Design	300-399	3	0	3	0

Syllabus for Value Addition Courses (VAC)

SEM	SI No	COURSE CODE	COURSE NAME	Course Stream	Course Level	CREDIT	HRS/WEEK		
							L	T	P
III	1	24UAGDVAC201	Yoga and Fitness	Design	200-299	3	2	1	0
IV	2	24UAGDVAC202	Digital Drawing and Animation	Animation	200-299	3	0	2	2

VI	3	24UAGDVAC301	Start-up and Business management	Design	300-399	3	2	1	0
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SIGNATURE COURSES

SI No	COURSE CODE	COURSE NAME	Course Stream	Course Level	CREDIT	HRS/WEEK		
						L	T	P
1	24UAGDSIG301	Ethical Hacking	Design	300-399	3	2	1	2
2	24UAGDSIG302	Data Security	Design	300-399	3	2	1	2

18. VISUAL COMMUNICATIONS

SEM	Course Code	Course Title	Course Level	Credit	Hours per Week	
					Lecture	Tutorial/ Practical
DISCIPLINE SPECIFIC COURSES (DSC)						
I	24UVICDSC101	Communicating through Visuals	100-199	4	1	4
	24UVICDSC102	Introduction to Visual Language	100-199	4	1	4
	24UVICDSC103	Art of Photography	100-199	4	1	4
II	24UVICDSC104	Visual Design Fundamentals	100-199	4	1	4
	24UVICDSC105	Craft of Capturing Image	100-199	4	1	4
	24UVICDSC106	Elements of Screenwriting	100-199	4	1	4
III	24UVICDSC201	Principles of Video and Audio Editing	200-299	4	1	4
	24UVICDSC202	Art of Scriptwriting	200-299	4	1	4
	24UVICDSC203	Art of Direction	200-299	4	1	4
IV	24UVICDSC204	Camera Dynamics & Moulding with Light	200-299	4	1	4
	24UVICDSC205	Structure of Film and Analysis	200-299	4	1	4
V	24UVICDSC301	Textual Elements of Design: Fonts, Typography, and Spacing	300-399	4	1	4
	24UVICDSC302	Ethics for Media Professional	300-399	4	1	4
	24UVICDSC303	Television News and Programme Production	300-399	4	1	4
VII	24UVICDSC401	Acting through the eyes of a director.	400-499	4	1	4
	24UVICDSC402	Media Management and Strategic Communication	400-499	4	1	4
	24UVICDSC403	Virtual and Augmented Reality in Multi-camera Productions	400-499	4	1	4
	24UVICDSC404	Craft of Direction	400-499	4	1	4

SEM	Course Code	Course Title	Course Level	Credit	Hours per Week	
					Lecture	Tutorial/ Practical
	24UVICDSC405	Production Design	400-499	4	1	4
	24UVICDSC406	Culture, Media, and Audience	400-499	4	1	4
VIII	24UVICDSC407	Contemporary Media Theories	400-499	4	1	4
	24UVICDSC408	Practice Based Research Methodology for Media Arts	400-499	4	1	4
DISCIPLINE SPECIFIC ELECTIVE COURSES (DSE)						
III	24UVICDSE201	UI/UX Design Fundamentals	200-299	4	1	4
III	24UVICDSE202	Fundamentals of Animation and Visual Effects	200-299	4	1	4
IV	24UVICDSE203	Web Designing.	200-299	4	1	4
IV	24UVICDSE204	Concepts of Ad filmmaking	200-299	4	1	4
IV	24UVICDSE205	Techniques of Sound Design	200-299	4	1	4
IV	24UVICDSE206	Techniques of Video Editing	200-299	4	1	4
V	24UVICDSE301	Digital Journalism	300-399	4	1	4
V	24UVICDSE302	Entrepreneurship in Media	300-399	4	1	4
V	24UVICDSE303	Evolution of Indian Cinema	300-399	4	1	4
V	24UVICDSE304	Global Film Landscape	300-399	4	1	4
VI	24UVICDSE305	Photo- Journalism	300-399	4	1	4
VI	24UVICDSE306	Research Methodology for Media Arts	300-399	4	1	4
VI	24UVICDSE307	Special Effects and Miniatures for Visual Media	300-399	4	1	4
VI	24UVICDSE308	Music for Cinema	300-399	4	1	4
VI	24UVICDSE309	Print and Digital Elements of Design: Branding and User Experience	300-399	4	1	4
VI	24UVICDSE310	Chroma Key Techniques and Studio Floor	300-399	4	1	4
VI	24UVICDSE311	Fiction Film Production	300-399	4	1	4
VI	24UVICDSE312	Non-Fiction Filmmaking	300-399	4	1	4
VIII	24UVICDSE401	AI for visual Media Production	400-499	4	1	4
VIII	24UVICDSE402	OTT Production	400-499	4	1	4
DISCIPLINE SPECIFIC COURSES (DSC) – Visual Communications - Minor Pathway						
I	24UVICDSC101	Communicating through Visuals	100-199	4	3	2

SEM	Course Code	Course Title	Course Level	Credit	Hours per Week	
					Lecture	Tutorial/ Practical
II	24UVICDSC104	Visual Design Fundamentals	100-199	4	3	2
III/IV	24UVICDSC201	Principles of Video and Audio Editing	200-299	4	3	2
DISCIPLINE SPECIFIC COURSES (DSC) – Cinema - Minor Pathway						
I	24UVICDSC102	Introduction to Visual Language	100-199	4	3	2
II	24UVICDSC105	Craft of Capturing Image	100-199	4	3	2
III/IV	24UVICDSC202	Art of Scriptwriting	200-299	4	3	2
III/IV	24UVICDSC203	Art of Direction	200-299	4	3	2
MULTIDISCIPLINARY COURSES (MDC)						
I	24UVICMDC101	Experiencing Cinema	100-199	3	1	2
II	24UVICMDC102	Advertising for social media	100-199	3	1	2
III	24UVICMDC201	Presenting and performing for Camera	200-299	3	1	2
SKILL ENHANCEMENT COURSES (SEC)						
IV	24UVICSEC201	Costume Design and Make up	200-299	3	1	2
IV	24UVICSEC202	Clay Modelling and Water Colour	200-299	3	1	2
V	24UVICSEC301	Folly and Dubbing Techniques in Audio Production	300-399	3	1	2
VI	24UVICSEC302	Colour Grading in Digital Era	300-399	3	1	2
VALUE ADDITION COURSES (VAC)						
III	24UVICVAC201	Mobile Filmmaking	200-299	3	1	2
IV	24UVICVAC202	Single Camera Production	200-299	3	1	2
VI	24UVICVAC301	Short Film Making for Social Awareness	200-299	3	1	2
SIGNATURE COURSES (SIG)						
-	24UVICSIG201	Spanish Learning: Exploring Spanish through a Cinematic and cultural Journey	200-299	4	1	4
-	24UVICSIG202	Compassionate Companion	200-299	4	1	4
-	24UVICSIG203	Natyashastra and Beyond: Indian Performance Arts with Special Reference to Kerala	200-299	4	1	4

SEM	Course Code	Course Title	Course Level	Credit	Hours per Week	
					Lecture	Tutorial/ Practical
-	24UVICSIG204	Responsible Citizen in Participatory Democracy	200-299	4	1	4

19. FRENCH

SEM	Course Code	Course Title	Course Level	Credit	Hours per Week	
					Theory	Practical
ABILITY ENHANCEMENT COURSES (AEC)						
I	24UFREAEC101	French language and communication skills-I (<i>French for Humanities - I</i>)	100-199	3	3	0
I	24UFREAEC102	Communication skills in French – I (<i>French for Science - I</i>)	100-199	3	3	0
I	24UFREAEC103	Professional French-I (<i>French for Commerce - I</i>)	100-199	3	3	0
II	24UFREAEC104	French language and communication skills-II (<i>French for Humanities - II</i>)	100-199	3	3	0
II	24UFREAEC105	Communication skills in French-II (<i>French for Science - II</i>)	100-199	3	3	0
II	24UFREAEC106	Professional French- II (<i>French for Commerce - II</i>)	100-199	3	3	0
DISCIPLINE SPECIFIC COURSES (DSC)						
I	24UFREDSC101	Foundation French	100-199	4	3	2
II	24UFREDSC102	An Introduction to French Literature	100-199	4	3	2
III/IV	24UFREDSC201	Intermediate French	200-299	4	3	2
III/IV	24UFREDSC202	French for Intermediate learners	200-299	4	3	2
V	24UFREDSC301	Translation and Interpretation (career-oriented)	300-399	4	4	0
V	24UFREDSC302	A Stride through Francophone literature	300-399	4	4	0
DISCIPLINE SPECIFIC ELECTIVE COURSES (DSE)						
V/VI	24UFREDSE301	Glimpses of France in Yester Years	300-399	4	4	0
V/VI	24UFREDSE302	Translation Studies	300-399	4	4	0
V/VI	24UFREDSE303	Didactics of Languages and Cultures	300-399	4	4	0
MULTIDISCIPLINARY COURSES (MDC)						
I	24UFREMDC101	A Travel Guide to France	100-199	3	2	2

SEM	Course Code	Course Title	Course Level	Credit	Hours per Week	
					Theory	Practical
II	24UFREMD102	French through Films	100-199	3	2	2
III	24UFREMD201	French through Media	200-299	3	3	0
SKILL ENHANCEMENT COURSES (SEC)						
IV	24UFRESEC201	French for International Proficiency Tests	200-299	3	3	0
VALUE ADDITION COURSES (VAC)						
III	24UFREVAC201	French through Stories	200-299	3	3	0
IV	24UFREVAC202	Intercultural French	200-299	3	3	0
SIGNATURE COURSES (SIG)						
III/IV	24UFRESIG201	French for DELF & TEF	200-299	4	4	0

20. HINDI

SEM	Course Code	Course Title	Course Level	Credit	Hours per Week	
					Theory	Practical
ABILITY ENHANCEMENT COURSES (AEC)						
I	24UHINAEC101	New Media in Hindi Stories (Hindi for Humanities - I)	100-199	3	3	0
I	24UHINAEC102	Environment in Hindi Literature (Hindi for Science - I)	100-199	3	3	0
I	24UHINAEC103	Drama and Communicative Hindi (Hindi for Commerce - I)	100-199	3	3	0
II	24UHINAEC104	Harmony of Festivals (Hindi for Humanities - II)	100-199	3	3	0
II	24UHINAEC105	New Text New Aesthetics (Hindi for Science - II)	100-199	3	3	0
II	24UHINAEC106	Modern Hindi Prose and Translation (Hindi for Commerce - II)	100-199	3	3	0
DISCIPLINE SPECIFIC COURSES (DSC)						
I	24UHINDSC101	Foundation for Hindi Learning	100-199	4	3	2
II	24UHINDSC102	Hindi Literature & Environment	100-199	4	3	2
III/IV	24UHINDSC201	Fiction and Drama	200-299	4	3	2
III/IV	24UHINDSC202	Biographical Hindi Films : Study and Analysis	200-299	4	3	2
V	24UHINDSC301	Contemporary Hindi Poetry	300-399	4	4	0

SEM	Course Code	Course Title	Course Level	Credit	Hours per Week	
					Theory	Practical
V	24UHINDSC302	Autobiography in Hindi Literature	300-399	4	4	0
DISCIPLINE SPECIFIC ELECTIVE COURSES (DSE)						
V/VI	24UHINDSE301	History of Hindi Literature	300-399	4	4	0
V/VI	24UHINDSE302	Premchand: The Craftsman of Literature	300-399	4	4	0
V/VI	24UHINDSE303	Translation and Office Proceedings in Hindi	300-399	4	4	0
MULTIDISCIPLINARY COURSES (MDC)						
I	24UHNMD101	Hindi in Day-to-day Life	100-199	3	2	2
II	24UHNMD102	Communicative Hindi through Drama	100-199	3	2	2
III	24UHNMD201	Comparative Study of Short Story and Film	200-299	3	3	0
SKILL ENHANCEMENT COURSES (SEC)						
IV	24UHNSEC201	Learning Hindi through Visual Media	200-299	3	3	0
VALUE ADDITION COURSES (VAC)						
III	24UHNINVAC201	Insights On Hindi Short Stories	200-299	3	3	0
IV	24UHNINVAC202	Exploring Moral Values through One Act Plays	200-299	3	3	0
SIGNATURE COURSES (SIG)						
III/IV	24UHINSIG201	Exploring Agriculture in Hindi Literature	200-299	4	4	0

21. MALAYALAM

SEM	Course Code	Course Title	Course Level	Credit	Hours per Week	
					Theory	Practical
ABILITY ENHANCEMENT COURSES (AEC)						
I	24UMALAEC101	സർഗസാഹിതി (Malayalam for Humanities - I)	100-199	3	3	0
I	24UMALAEC102	സാഹിതീമാലിക (Malayalam for Science - I)	100-199	3	3	0
I	24UMALAEC103	ഭാഷാസാഹിതി (Malayalam for Commerce - I)	100-199	3	3	0
II	24UMALAEC104	ദൃശ്യപഥം	100-199	3	3	0

SEM	Course Code	Course Title	Course Level	Credit	Hours per Week	
					Theory	Practical
		(Malayalam for Humanities - II)				
II	24UMALAEC105	കലാമഞ്ജരി (Malayalam for Science - II)	100-199	3	3	0
II	24UMALAEC106	ഗദ്യരാജി (Malayalam for Commerce - II)	100-199	3	3	0
DISCIPLINE SPECIFIC COURSES (DSC)						
I	24UMALDSC101	സിനിമയും സാഹിത്യവും	100-199	4	3	2
II	24UMALDSC102	കഥ കവിത	100-199	4	3	2
III/IV	24UMALDSC201	കേരളീയ കലകൾ	200-299	4	3	2
III/IV	24UMALDSC202	മാധ്യമപഠനം	200-299	4	3	2
V	24UMALDSC301	സിവിൽ സർവീസ് മലയാളം	300-399	4	4	0
V	24UMALDSC302	ടൂറിസവും സംസ്കാരവിനിയോഗവും	300-399	4	4	0
DISCIPLINE SPECIFIC ELECTIVE COURSES (DSE)						
V/VI	24UMALDSE301	സഞ്ചാരസാഹിത്യം നവസമീപനങ്ങൾ	300-399	4	4	0
V/VI	24UMALDSE302	കേരളസംസ്കാരം	300-399	4	4	0
V/VI	24UMALDSE303	ചലച്ചിത്ര നിരൂപണം	300-399	4	3	2
MULTIDISCIPLINARY COURSES (MDC)						
I	24UMALMDC101	സർഗാത്മകരചന	100-199	3	2	2
II	24UMALMDC102	മത്സരപരീക്ഷകളിലെ മലയാളം	100-199	3	2	2
III	24UMALMDC201	തിരക്കഥാസാഹിത്യം	200-299	3	3	0
SKILL ENHANCEMENT COURSES (SEC)						
IV	24UMALSEC201	പ്രൂഫ് റീഡിംഗ് & കോപ്പി എഡിറ്റിംഗ്	200-299	3	3	0
VALUE ADDITION COURSES (VAC)						
III	24UMALVAC201	പരിസ്ഥിതിയും സമൂഹവും	200-299	3	3	0
IV	24UMALVAC202	അതിജീവന പാഠങ്ങൾ	200-299	3	3	0
SIGNATURE COURSES (SIG)						
III/IV	24UMALSIG201	കണ്ടക്ട് റെറ്റിംഗ്	200-299	4	3	2

22. SANSKRIT

SEM	Course Code	Course Title	Course Level	Credit	Hours per Week	
					Theory	Practical
ABILITY ENHANCEMENT COURSES (AEC)						
I	24USANAEC101	Introduction to Sanskrit Language and Literature (Sanskrit for Humanities - I)	100-199	3	3	0
I	24USANAEC102	Communicative Skills and Scientific Studies in Sanskrit (Sanskrit for Science - I)	100-199	3	3	0
I	24USANAEC103	Fundamental Sanskrit (Sanskrit for Commerce - I)	100-199	3	3	0
II	24USANAEC104	Ancient and Modern Literature in Sanskrit (Sanskrit for Humanities - II)	100-199	3	3	0
II	24USANAEC105	Poetic Appreciation of Sanskrit Literature (Sanskrit for Science - II)	100-199	3	3	0
II	24USANAEC106	Discourses and Poetical Functions of Sanskrit (Sanskrit for Commerce - II)	100-199	3	3	0
DISCIPLINE SPECIFIC COURSES (DSC)						
I	24USANDSC101	Introduction to Sanskrit literature in Kerala	100-199	4	3	2
II	24USANDSC102	Sanskrit through proverbs	100-199	4	3	2
III/IV	24USANDSC201	Sanskrit glossary in Yoga	200-299	4	3	2
III/IV	24USANDSC202	Introduction to the tradition of Sanskrit Literature	200-299	4	3	2
V	24USANDSC301	Epistemology in Sanskrit	300-399	4	4	0
V	24USANDSC302	Journey through the Epics	300-399	4	4	0
DISCIPLINE SPECIFIC ELECTIVE COURSES (DSE)						
V/VI	24USANDSE301	Unveiling Sastras through Sanskrit	300-399	4	4	0
V/VI	24USANDSE302	Intensive Study of Sanskrit Kavyas	300-399	4	4	0
V/VI	24USANDSE303	Sanskrit Grammarian Philosophy and Linguistics	300-399	4	4	0
MULTIDISCIPLINARY COURSES (MDC)						
I	24USANMDC101	Communicative Sanskrit	100-199	3	2	2
II	24USANMDC102	Glimpses of Sanskrit Drama, Kavyas and Alankaras	100-199	3	2	2

SEM	Course Code	Course Title	Course Level	Credit	Hours per Week	
					Theory	Practical
III	24USANMDC201	Scientific Sanskrit	200-299	3	3	0
SKILL ENHANCEMENT COURSES (SEC)						
IV	24USANSEC201	Sanskrit Translation	200-299	3	3	0
VALUE ADDITION COURSES (VAC)						
III	24USANVAC201	Sanskrit through Panchatantra	200-299	3	3	0
IV	24USANVAC202	Sanskrit through cinema	200-299	3	3	0
SIGNATURE COURSES (SIG)						
III/IV	24USANSIG201	Role of Sanskrit in Ayurveda	200-299	4	4	0

23. HISTORY

SEM	Course Code	Course Title	Course Level	Credit	Hours per Week	
					Theory	Practicum
DISCIPLINE SPECIFIC COURSES (DSC)						
I	24UHISDSC101	Introducing History	100-199	4	3	2
II	24UHISDSC102	Themes in Global History	100-199	4	3	2
III	24UHISDSC201	Origins of the Modern World	200-299	4	3	2
IV	24UHISDSC202	Understanding the Modern World	200-299	4	3	2
MULTIDISCIPLINARY COURSES (MDC)						
I	24UHISMDC101	Flavours of the Past and Present: Food, Culture and Society	100-199	3	2	2
I	24UHISMDC102	Science and Society	100-199	3	2	2
II	24UHISMDC103	Filmic Approaches to History	100-199	3	2	2
II	24UHISMDC104	Human and Environment	100-199	3	2	2

24. POLITICAL SCIENCE

SEM	Course Code	Course Title	Course Level	Credit	Hours per Week	
					Theory	Practicum
DISCIPLINE SPECIFIC COURSES (DSC)						
I	24UPOLDSC101	Everyday Politics	100-199	4	3	2
II	24UPOLDSC102	Introduction to the Indian Constitution	100-199	4	3	2
III	24UPOLDSC201	Green Politics	200-299	4	3	2

SEM	Course Code	Course Title	Course Level	Credit	Hours per Week	
					Theory	Practicum
	24UPOLDSC202	Human Rights in India	200-299	4	3	2
	24UPOLDSC203	Peace and Conflict Studies	200-299	4	3	2
	24UPOLDSC204	Constitutional and Statutory Bodies in India	200-299	4	3	2
IV	24UPOLDSC205	Global Affairs: Concepts and Contemporary Issues in International Relations	200-299	4	3	2
	24UPOLDSC206	Politics of Global Risks	200-299	4	3	2
MULTIDISCIPLINARY COURSES (MDC)						
I	24UPOLMDC101	Introduction to India's Foreign Policy	100-199	3	2	2
	24UPOLMDC102	Ecological Governance	100-199	3	2	2
	24UPOLMDC103	Cyber Politics	100-199	3	2	2
II	24UPOLMDC104	Introduction to Intellectual Property Rights	100-199	3	2	2
	24UPOLMDC105	Politics of Human Security	100-199	3	2	2

25. STATISTICS

SEM	Course Code	Course Title	Course Level	Credit	Hours per Week	
					Theory	Practical
DISCIPLINE SPECIFIC COURSES (DSC)						
I	24USTADSC101	Fundamentals Of Statistics and Data Visualisation	100-199	4	3	2
II	24USTADSC102	Theory Of Random Variables and Statistical Distributions	100-199	4	3	2
	24USTADSC103	Statistics For Computational Analysis.	100-199	4	3	2
III	24USTADSC201	Data Analysis in Inferential Statistics Using R/Python	200-299	4	3	2
	24UDSCSTA202	Statistical Tools for Decision Making	200-299	4	3	2
IV	24UDSCSTA203	Statistical Tools for Qualitative Research	200-299	4	3	2
V	24USTADSC301	Sample Survey Analysis and Design of Experiments	300-399	4	3	2
VI	24USTADSC302	Time Series Analysis and Stochastic Processes	300-399	4	3	2

SEM	Course Code	Course Title	Course Level	Credit	Hours per Week	
					Theory	Practical
VII	24UDSCSTA401	Multivariate Data Analysis	400-499	4	3	2
VIII	24USTADSC402	Analytical Tools for Multivariate Analysis and Multivariate Distributions	400-499	4	3	2
MULTIDISCIPLINARY COURSES (MDC)						
I/II	24USTAMDC101	Introduction to Elementary Statistics	100-199	3	2	2
I/II	24USTAMDC102	Descriptive Statistics	100-199	3	2	2
III	24USTAMDC201	Statistical Data Analysis Using Excel/R	200-299	3	3	0
	24USTAMDC202	Probability & Inferential Statistics	200-299	3	3	0
SKILL ENHANCEMENT COURSES (SEC)						
IV	24USTASEC201	Data Analysis Using SPSS/R	200-299	3	2	2

26. PHYSICAL EDUCATION

SEM	Course Code	Course Title	Course Level	Credit	Hours per Week	
					Theory	Practical
DISCIPLINE SPECIFIC COURSES (DSC)						
I	24UPHEDSC101	Health & Fitness Education	100-199	4	3	2
II	24UPHEDSC102	Fitness training & Management	100-199	4	3	2
III/IV	24UPHEDSC201	General Conditioning & Recreation	200-299	4	3	2
MULTIDISCIPLINARY COURSES (MDC)						
I	24UPHEMDC101	Physical Fitness and Active Living	100-199	3	2	2
SIGNATURE COURSES (SIG)						
III	24UPHESIG201	Aquatic Rescue and Water Sports Management	200-299	4	2	4
III	24UPHESIG201	Certified Fitness Trainer (CFT) Level IV	200-299	4	2	4
V	24UPHESIG301	Certified Personal Fitness Trainer (CPT) Level V	300-399	4	2	4

27. ENVIRONMENTAL STUDIES

SEM	Course Code	Course Title	Course Level	Credit	Hours per Week	
					Theory	Practical
DISCIPLINE SPECIFIC COURSES (DSC)						

SEM	Course Code	Course Title	Course Level	Credit	Hours per Week	
					Theory	Practical
I	24UCHEDSC101	Remote Sensing and GIS	100-199	4	3	2
II	24UCHEDSC102	Green Chemistry	100-199	4	3	2
III	24UCHEDSC201	Water Resource Management	200-299	4	3	2
V	24UCHEDSC301	Disaster Management	300-399	4	3	2
	24UCHEDSC302	Environmental Pollution and Monitoring	300-399	4	4	0
VI	24UCHEDSC304	Environmental Impact Assessment	300-399	4	4	0
	24UCHEDSC305	Organic Chemistry – IV	300-399	4	3	2
	24UCHEDSC306	Physical Chemistry – IV	300-399	4	3	2
MULTIDISCIPLINARY COURSES (MDC)						
I/II	24UEVSMDC101	Fundamentals of Environmental Science	100-199	3	2	2

28. LIBRARY SCIENCE

SEM	Course Code	Course Title	Course Level	Credit	Hours per Week	
					Theory	Practical
SIGNATURE COURSES (SIG)						
V/VI	24ULIBSIG301	Research Methods and Scholarly Communication	300-399	4	4	0
VII	24ULIBSIG401	Academic Writing	400-499	4	4	0

The Academic Council approved the courses suggested by the various Boards of Studies and the respective syllabus

Agenda Item No. 4: Teaching of Courses of Integrated M.Sc Computer Science(Data Science) - 7th Semester.

We follow the MG University syllabus for the **Integrated** MSc Computer Science (Data Science) programme. In the syllabus, the course 'Computational Mathematics' of 7th semester is given as a core course of the programme. The contents of this course are purely mathematical in nature. This course can successfully be engaged only by the faculty of the Department of Mathematics. So, it is proposed to entrust the teaching of this course to the Department of Mathematics.

Similarly, the course 'Applied Statistics for Data Science' of the 7th semester is also given as a core course. The contents of this course are purely Statistical in nature. Therefore, it is proposed to entrust the teaching of this course to the Faculty of Statistics.

The Academic Council Approved the above proposal.

Agenda Item No.5: Corrections in the syllabus of MSc Computer Science (Artificial Intelligence)

In the MSc Computer Science (Artificial Intelligence) syllabus, some topics in the courses '24PICST04 – Mathematics for Computational Intelligence' and '24PICST05 - Foundation of Data Analytics' are either the same or are overlapping. So, it is necessary to rearrange the topics of these courses in a logical order. The rearranged course details are as follows. There is no change in the title of these courses.

24PICST04 – Mathematics for Computational Intelligence

54 Hours (3 hrs/ week)

Credits-3

Course Outcomes:

On completion of the module the student should be able to:

CO1. Demonstrate linear equations, linear independence, basis, and rank, and apply linear mappings to practical problems in various fields.

CO2. Apply concepts of analytic geometry, including norms, inner products, lengths, distances, angles, orthogonality.

CO3. Utilize various matrix decomposition techniques, including computing determinants and traces, eigenvalues and eigenvectors, Cholesky decomposition, eigen decomposition and diagonalization, and singular value decomposition.

CO4. Perform differentiation of univariate and multivariate functions, compute gradients for scalar and vector-valued functions as well as matrices, utilize useful identities for gradient computation.

CO5. Apply continuous optimization techniques, including gradient descent, constrained optimization using Lagrange multipliers, and convex optimization on real-world optimization problems efficiently and effectively.

Module I

(10 Hrs)

Linear Algebra: Systems of Linear Equations, Matrices, Solving Systems of Linear Equations, Vector Spaces, Linear Independence, Basis and Rank, Linear Mappings.

Module II**(11 Hrs)**

Analytic Geometry: Norms, Inner Products, Lengths and Distances, Angles and Orthogonality, Orthonormal Basis, Orthogonal Complement, Inner Product of Functions, Orthogonal Projections.

Module III**(11 Hrs)**

Matrix Decompositions: Determinant and Trace, Eigenvalues and Eigenvectors, Cholesky Decomposition, Eigen decomposition and Diagonalization, Singular Value Decomposition, Matrix Approximation.

Module IV**(11 Hrs)**

Vector Calculus: Differentiation of Univariate Functions, Partial Differentiation and Gradients, Gradients of Vector-Valued Functions, Gradients of Matrices, Useful Identities for Computing Gradients, Backpropagation and Automatic Differentiation, Higher-Order Derivatives, Linearization and Multivariate Taylor Series.

Module V**(11 Hrs)**

Continuous Optimization: Optimization Using Gradient Descent, Constrained Optimization and Lagrange Multipliers, Convex Optimization.

Text Books

1. Marc Peter Deisenroth, A. Aldo Faisal, Cheng Soon Ong, Mathematics for Machine Learning, published by Cambridge University Press, 2019
2. Strang Gilbert. Introduction to Linear Algebra. 4th ed., Wellesley-Cambridge Press, 2009.
3. Stark, Henry, Woods, John W Probability and Random Processes with Application to Signal Processing, 4th Ed., Pearson, 2013.
4. ShaiShalev-Shwartz, Shai Ben-David, Understanding Machine Learning: From Theory to Algorithms, Cambridge University Press, 2014

24PICST05 - Foundation of Data Analytics**72 Hours (4 hrs/week)****Credits – 4****Course Outcomes:**

On completion of the course the student should be able to:

- CO1.** Understand the methods of processing and transforming data.
- CO2.** Introduce and interpret probability concept in real life situation.
- CO3.** Illustrate the methods for estimation.

CO4. Apply the test procedures for decision making.

CO5. Evaluate various statistical techniques for modelling and exploring practical situations.

Module I

(10 Hrs)

Fundamental concepts - Histogram – univariate and bivariate data, estimation of basic statistical parameters, viz., mean, standard deviation, variance, Covariance, correlation coefficient,

Module II

(20 Hrs)

Introduction to Probability Theory- sample space – events –addition theorem, Conditional probability, Multiplication theorem, total probability, Baye's Theorem. Random variables, distribution function. Joint density function and distribution function, independence of random variables – moments – introduction to Markov chain. Binomial distribution and Normal distribution.

Module III

(15 Hrs)

Sampling distributions- statistic, standard error, Chi-square, t, and F. Estimation theory: Properties , methods of finding estimators- Maximum Likelihood Estimation. Properties of point estimators, Sampling distribution of sample mean, Estimation of mean and variance and Estimation of confidence intervals.

Module IV

(15 Hrs)

Testing of hypothesis– Test concerning mean and standard deviation of sampling from normal population, chi-square tests for standard deviation and independence and sequential test of hypotheses

Module V

(12 Hrs)

Probabilistic Inference- Priors on continuous variable- Gaussian Prior – Bayesian reasoning MAP. Expectation Maximization – Mixture of Gaussians – Gibbs Sampling –Logistic Regression.

Text Books

1. K. Murphy, Machine Learning – A probabilistic perspective, MIT Press 2010
2. Lyman Ott, R. Lyman Ott, Micheal Longnecker, An introduction to statistical methods and data analysis, 6th Edn, Cengage Learning, 2008
3. . Stark, Henry, Woods, John W Probability and Random Processes with Application to Signal Processing, 4th Ed., Pearson, 2013.

The Academic Council Approved the proposal.

Agenda Item No.6: Concessions to Persons With Disabilities in oral (viva -voce) examinations- Endorsement of University order

The M. G. University has issued an order (No.4732/AC A 3/2024/MGU dated 04.06.2024) exempting differently abled candidates belonging to the categories 1C - Hearing Impairment (Deaf and Hard of

Hearing), 1D -Speech and Language disability, 2- Intellectual Disability, 5- Multiple Disabilities from appearing Oral (viva-voce) examinations. For such candidates, Marks/Grades shall be calculated proportionally to the Marks/Grades of the project done by the candidates.

The Academic Council Approved the proposal.

Agenda Item No.7:

At present certain UG programmes in MG university are classified as Model I, Model II, Model III etc. Since, the MG University is going to implement the Four Year UG (Honours) programme from 2024-25 academic year onwards, the University has decided to modify the titles of some programmes and decided to discard the above mentioned types of classification. Accordingly, it is proposed to modify the titles of the following programmes offered by our college.

Sl.No.	Existing Programme name	Proposed Programme Name
1	BA English-Model II-Copy Editor	BA (Hons) English
2	BA English (Language & Literature)	BA (Hons) English
3	BA Mass Communication & Journalism	BA Journalism & Mass Communication
4	BSc Economics, Mathematics, Statistics	BSc Econometrics

The Academic Council Approved the proposal.

Agenda Item No.8: Other matters, if any, with the consent of the chair.

As there was no other matter, the meeting concluded at 4.45 PM after the formal vote of thanks by Dr. June Cyriac, Secretary of the Academic Council.


Chairman
 Academic Council
 S.H. College (Autonomous)
 Thevara, Kochi-682013




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