

Teaching Assignment
Monsoon Semester (Session: 2021-22)

Course code with Title	Instructors	Tutors
1xx Courses		
BIO101 – Cellular Basis of life	AM(B), RR(B), IL	
BIO111 – Basic Bio Lab	KC, SBP, IL, JOS	
CHM101 - Chemistry of elements and chemical transformations	SBM	
CHM111 - Chemistry Lab I	ARC, SKP	
HSS101A - Language Skills	ADC	
HSS101B - Language Skills	AS	
IDC101 - Introduction to computers	SBP	
MTH 101 – Symmetry	TK	
PHY101 – Mechanics	GS	
PHY111 – Waves & Optics	VB	

2xx Courses		
BIO201 - Genetics and evolution	NGP, RRC(B)	
BIO211 - Biology Lab III	NGP, SM(B), IA	
CHM201 - Spectroscopic and other physical methods	JG	
CHM211 - Chemistry Lab III	SM(BC), RR(C), SV, SR	
IDC202 – Chemical Biology	SM(BC)	
IDC205 – Differential equation for scientists	VRS	
IDC208 - Introduction to Environmental Science	VS	
IDC211 – Workshop Training	AV	
MTH201 - Curves and surfaces	SDM	
PHY201 - Waves and optics	KL	
PHY211 - Physics Lab III	SG(P)	

Seminar Courses		
IDC351 - Seminar (Attending)	LM, SR, CAS/AB	
IDC451 - Seminar (Delivering)	RR(B)/SAS, SR, CAS/AB, HKJ	
IDC601 - Seminar (Attend & Deliver)	SOB, SM(B)/SB, SR, CAS/AB, HKJ	
Biology Major Courses (BIO 3XX)		
BIO301 - Animals: Form and function	SB	
BIO302 - Advanced cell biology	SKM	
BIO303 - Experimental design and hypothesis testing	NGP	
BIO311 - Molecular methods in biology lab	RY/SST(B)	
Biology Major Courses (BIO 4XX)		
BIO401 - Structure and function of genomes	SAS	
BIO402 - Microbial physiology and microbial genetics	IB	
BIO411 - Bioinformatics lab	KSS	
Chemistry Major Courses (CHM 3XX)		
CHM301 - Quantum chemistry	KRS	
CHM302 - Organic chemistry	RS	

CHM303 - Main group chemistry	DA	
CHM311 - Organic chemistry lab	RVA	
Chemistry Major Courses (CHM 4XX)		
CHM401 - Molecular spectroscopy	AKD	
CHM402 - Chemistry of materials	UG	
CHM411 - Physical chemistry lab	RKR	
Chemistry Major Courses (CHM 6XX)		
CHM601 - Advanced Inorganic Chemistry	SS(C)	
Mathematics Major Courses (MTH 3XX)		
MTH301 - Analysis in $\mathbb{R}^n$	KG	
MTH302 - Integers, polynomials and matrices	VV	
MTH303 - Ordinary and partial differential equations	SOM	
MTH304 - Topology	CK	
Mathematics Major Courses (MTH 4XX)		
MTH402 - Functional analysis	JK	
MTH403 - Manifolds	PS	
Physics Major Courses (PHY 3XX)		
PHY301 - Classical mechanics	JSB	
PHY302 - Quantum mechanics	MNB	
PHY303 - Electrodynamics	AC	
PHY 310 - Mathematical methods for physicists I	ASJ	
PHY311 - Advanced optics and spectroscopy lab	KPS	
Physics Major Courses (PHY 4XX)		
PHY401 - Nuclear and particle physics	KPY	
PHY402 - Solid state physics	YS	
PHY403 - Atomic and molecular physics	RSJ	
PHY411 - Nuclear physics lab	SJ	
Mathematics PhD Courses (MTH 6XX)		
MTH601 - Topics in algebra	CB	
MTH602 - Topics in topology	YP	
MTH605 - Topics in analysis	LS	
Physics PhD Courses (PHY 6XX)		
PHY601 - Review of classical mechanics	SS(P)	
PHY602 - Review of electrodynamics	MS(P)	
Electives		
Humanities & Social Sciences		
HSS615 - Archaeology of the world		PRC
HSS622 Cities: Urban Theory and Laboratory		AS
HSS627 - Idea of India: Intellectual Imaginary of Nation		VR
HSS628 - Epistemology of Science		PK
HSS6XX - Development Economics: Theory, policy and practice		DS
Inter-disciplinary Courses		
EES3XX - Mineralogy		SOB
EES401 - Quantitative data analysis in earth and environmental sciences		BS
EES403 - Remote sensing and GIS		Dr. Ojha

EES407- Environmental impact and risk assessment	SP(E)
EES408 - Tropical meteorology	RA(E)
EES638 - Paleoclimatology	AA
EES640 - Global Tectonics	SB(E)
IDC305 – Selected Analytical Techniques	SSG
IDC409 – Introduction to Data Science	KSS
IDC636 - Pedagogy of science	SSA
IDC637 - Science communication	SSA
IDC412 - Field Work in Science Education	AK (Coordinator)
Biology	
BIO308 - Fundamentals of Microbiology	RC
BIO453 - Principles underlying instrumental biomacromolecular analyses	PG
BIO456 - Cancer cell biology	MS(B)
BIO615 - Developmental biology	LM
BIO616 - Animal behaviour: Proximate mechanism, ultimate causes	MJ
BIO629 - Bioinformatics	KSS
Chemistry	
CHM602 - Magnetic Resonance	RR(C)
CHM606 - Bio-organic chemistry	SV
CHM607 - Chemical crystallography	SM(C)
CHM610 - Chemistry of natural products	SAB
CHM618 - Bioinorganic Chemistry	SKB
Mathematics	
MTH411 - Commutative and homological algebra	AM(M)
MTH413 – Advanced Probability	NS
MTH416 – Arithmetic of elliptic curves	AG
MTH421 – Combinatorial group theory	MS(M)
MTH422 - Representations of finite groups	SUM
MTH424 – Introduction to Lie Algebra	AK
MTH437 – An introduction to schemes	KHP
Physics	
PHY424 – Quantum Field Theory I	CSA
PHY425 - Computational methods in physics II	RK
PHY634 - NMR in physics and biology	KD
PHY635 - Gravitation and cosmology	AJ
PHY657- Radio-frequency and microwave circuits	AV
PHY665: Quantum phases of matter and phase transitions	SK(P)
PHY668- Soft condensed matter	TB

Expansion of Initials of Faculty

Initials	Name	Initials	Name
AA	Dr. Anoop Ambili	PK	Dr. Philose Koshy
AB	Dr. Anirban Bose (Inspire faculty)	PS	Dr. Pranab Sardar
AC	Dr. Abhishek Chaudhuri	PRC	Dr. Parth R Chauhan
ADC	Dr. Adrene Freeda D'Cruz	RA(E)	Dr. Raju Attada
AG	Dr. Abhik Gnguli	RB	Dr. Ritajyoti Bandhopadhyay
AJ	Dr. Anosh Joseph	RC	Dr. Rachna Chhaba
AKB	Prof. Anand K. Bachhawat	RK(P)	Dr. Rajeev Kapri
AKD	Dr. Arijit K De	RKR	Dr. Raj Kumar Roy
AK	Dr. Amit Kulshrestha	RR(B)	Dr. Rajesh Ramachandran
AM(B)	Dr. Arunika Mukhopadhaya	RR(C)	Dr. Ramesh Ramachandran
AM(H)	Dr. Arun Murthy	RRC(B)	Dr. Rhitoban Ray Chaudhuri
AM(M)	Dr. Alok Maharana	RS	Dr. S. V. Rama Sastry
ARC	Dr. Angshuman Roy Choudhury	RSJ	Prof. Ramandeep S. Johal
ARB	Dr. Aru Beri	RVA	Dr. R. Vijay Anand
AS	Dr. Anu Sabhlok	RY	Dr. Ram Yadav
ASJ	Dr. Ambresh Shivaji	SAB	Dr. S. Arulananda Babu
AV	Dr. Ananth Venkatesan	SAS	Dr. Santosh Satbhai
BS	Dr. Baerbel Sinha	SB	Dr. Samarjit Bhattacharyya
CAS	Dr. Chandrakant Aribam Sharma	SBP	Dr. Shashi Bhushan Pandit
CB	Dr. Chetan Balwe	SB(E)	Dr. Sharmila Bhattacharya (Inspire faculty)
CK	Prof. Chanchal Kumar	SB(P)	Dr. Samir Biswas
CSA	Prof. Charanjit Singh Aulakh	SBM	Dr. Subhabrata Maiti
DA	Dr. Debashish Adhikari	SD	Dr. Sanjib Dey (Inspire faculty)
DC	Dr. Dipanjan Chakraborty	SDM	Dr. Shane D'Mello
DJ	Dr. Debrina Jana (Inspire faculty)	SG(C)	Dr. Samrat Ghosh
DS	Dr. Debdulal Saha	SG(P)	Dr. Sandeep Goyal
GS	Dr. Goutam Sheet	SJ	Dr. Satyajit Jena
HKJ	Dr. Harvinder Kaur Jassal	SKM	Dr. Shravan Kumar Mishra
IA	Dr. Ishan Agarwal	SK(P)	Dr. Sanjeev Kumar
IB	Dr. Indranil Banerjee	SKB	Dr. Suman K. Barman
IL	Dr. Indrajit L	SM(B)	Dr. Sudip Mandal
JSB	Prof. Jasjeet Singh Bagla	SM(BC)	Prof. Samrat Mukhopadhyay
JG	Dr. Jino George	SM(C)	Prof. Sanjay Mandal
JK	Dr. Jotsaroop Kaur	SUM	Dr. Sugandha Maheshwary (Inspire faculty)
KC	Prof. Kausik Chattopadhyay	SM(P)	Dr. Smriti Mahajan (Inspire faculty)
KD	Prof. Kavita Dorai	SOB	Dr. Sourabh Bhattacharya
KG	Dr. Krishnendu Gongopadhyay	SOM	Dr. Soma Maity
KHP	Prof. Kapil H. Paranjape	SKP	Dr. Santanu K Pal
KL	Dr. Kinjal Lochan	SP(E)	Dr. Sunil Patil
KPL	Prof. Kulinder Pal Singh	SR	Dr. Sabyasachi Rakshit
KPS	Dr. Kamal Priya Singh	SS(C)	Dr. Sanjay Singh
KPY	Dr. K.P Yogendran	SSA	Prof. Sadhna Saxena
KRS	Dr. K.R. Shamasundar	SSG	Dr. Sanchita Sengupta
KSS	Dr. Kuljeet Singh Sandhu	SS(P)	Prof. Sudeshna Sinha
LM	Dr. Lolitika Mandal	SST(B)	Dr. Sharvan Sehwat
LS	Dr. Lingraj Sahu	SV	Dr. Sugumar Venkatramani
MJ	Dr. Manjari Jain	TB	Dr. Tripta Bhatia
MNB	Dr. Manabendra Nath Bera	TK	Dr. Tanushree Khandai
MS(B)	Dr. Mahak Sharma	UG	Dr. Ujjal K. Gautam
MS(C)	Dr. Monika Sharma (Inspire faculty)	VB	Dr. Vishal Bharadwaj (Inspire faculty)
MS(M)	Dr. Mahender Singh	VR	Dr. V. Rajesh
MS(P)	Dr. Mandip Singh	VRS	Dr. Varadhraj Ravi Srinivasan
NGP	Prof. N.G. Prasad	VS	Dr. Vinayak Sinha
NS	Dr. Neeraja Sahasrabudhe	VV	Dr. Vaibhav Vaish
PB	Dr. P. Balanarayan	YP	Dr. Yashonidhi Pandey
PG	Prof. Purnananda Guptasarma	YS	Dr. Yogesh Singh