

Teaching Assignment Spring Semester
(Session: 2021-22)

Course code with Title	Instructors	Tutors
2xx Courses		
BIO202 - Behavior and Ecology	MJ	
BIO212 - Biology Lab IV	NGP	
CHM202 - Energetics and dynamics of chemical reactions	SR	
CHM212 - Chemistry Lab IV	SKP/RS	
MTH202 - Probability and Statistics	LS/KG	
PHY202 - Thermodynamics and statistical physics	RSJ	
PHY212 - Physics Laboratory IV	RK	SG(P), MNB, ASJ
HSS202 - Philosophy of science	PK	
IDC201 - Astronomy and astrophysics	SM(P)	
IDC203 - Introduction to earth science	SB(E)	SOB
IDC206 - Quantum physics for scientists	MNB	
IDC207 - Number theory and cryptography	KHP	
Seminar Courses		
IDC352 - Seminar (Attending)	AKB,PB/RR(C),PS/AG/SG(P),MNB	
IDC452 - Seminar (Delivering)	AKB,PB/RR(C),PS/AG/SG(P),AC	
IDC602 - Seminar (Attend & Deliver)	SM(BC),PB/RR(C),PS/AG/CO/PRC/AC,JSB	
Biology Core Courses (BIO3xx)		
BIO304 - Essential Biochemistry	KC	
BIO305 - Advanced developmental biology	SM(B)	
BIO306 – Plants: Form and function	SAS	
BIO312 – Development and physiology lab	LM/RV	
Biology Major Courses (BIO4xx)		
BIO403 – Advanced evolutionary biology	RRC	
BIO404 – Cellular and molecular basis of the immune response	SST(B)	
BIO412 – Lab on biophysical and spectroscopic tools	PG/JS	
Chemistry Major Courses (CHM3xx)		
CHM304 – Symmetry in chemistry	PB	
CHM305 – Physical Organic chemistry	SKP	
CHM306 – Transition Metal chemistry	SKB	
CHM312 - Inorganic chemistry lab	DA	
Chemistry Major Courses (CHM4xx)		
CHM403 – Analytical Chemistry	JG	
CHM404 – Statistical Thermodynamics	AKD	
CHM412 – Analytical chemistry laboratory	SSG	
Mathematics Major Courses (MTH3xx)		
MTH305 – Complex Analysis	CK	
MTH307 – Discrete Mathematics	SDM	
MTH308 - Groups and Fields	TK	
MTH309 - Measure and Probability	NS	

Physics Major Courses (PHY3xx)		
PHY304 - Statistical mechanics	AJ	
PHY306 – Advanced quantum mechanics	AV	
PHY312 - Advanced Electronics and instrumentation lab	SB(P)	
Physics Major Courses (PHY4xx)		
PHY412 – Condensed matter physics lab	YS	
Mathematics PhD Courses (MTH6xx)		
MTH601 - Topics in algebra	VRS	
MTH603 - Mathematics seminar course	CB	
Physics PhD Courses (PHY6xx)		
PHY603 - Review of statistical mechanics	DC	
PHY604 – Review of quantum mechanics	ASJ	
Electives		
Environmental Science		
EES301- Sedimentology and Concepts in Stratigraphy	AA	
EES402- Geomorphology and earth surface processes	SB(E)	
EES404 – Basic meteorology	RA	
EES408 -Igneous and Metamorphic Petrology	SOB	
Humanities & Social Sciences		
HSS617 – From Plassey to partition: A history of modern India	VR	
HSS620 - Imagining India: An intellectual history of orientalism	VR	
HSS625 - The archaeology of ancient technologies	PRC	
HSS636 – Climate change and sustainable Development	BS	
HSS642 - Science and society	SSA	
HSS646 - Principles of Economics	DS	
HSS650 - Public Policy	DS	
Inter-disciplinary Courses		
IDC402 - Nonlinear dynamics, chaos and complex systems	SS(P)	
IDC407 - Network science	KSS	
IDC408 - Environmental hygiene, sanitation and waste management	SP	
IDC410 - Machine learning	KSS	
IDC411- School science curriculum and textbooks	SSA/HKD	
IDC632 - Introduction to atmospheric chemistry and physics	VS	
Biology		
BIO454 - Neuroscience	SB	
BIO606 - Biostatistics	NGP	
BIO611- Fluorescence in biology	SM(BC)	
BIO625 – Introduction to Molecular Evolution and Phylogenetics	RRC	
BIO459/BIO630 - Epigenetics	KSS/SKM/RR(B)/RY	
Chemistry		
CHM307 - Electrochemistry and ionic equilibria	ARC	
CHM609 - Polymer Chemistry	RKR	
CHM611- Frontiers of organometallic chemistry	SM(C)	
CHM612 - Asymmetric Synthesis & Catalysis	RVA	

CHM616 - Computational Chemistry	KRS	
CHM623 - Concepts in nanomaterials and chemical applications	UKG	
CHM626- Photochemistry - concepts, techniques and applications	SV	
CHM604 - Advanced organic chemistry	SAB	
Mathematics		
MTH406 - Fourier analysis	JK	
MTH410 - Algebraic topology	YP	
MTH408 - Riemannian geometry	SOM	
MTH419 - Number Theory	CAS	
MTH423 - Structure of finite groups	SUM	
MTH426 - Algebraic curves	VV	
MTH427 - Global Analysis	AM(M)	
Physics		
PHY622 - Topics in Mathematical Methods	CSA	
PHY637 - Astrophysics	JSB	
PHY638 - Physics of Fluids	TB	
PHY646 - Quantum field theory and the Standard Model	KPY	
PHY649 - Advanced experiments in physics: Lasers and optics	KPS	
PHY654 - Cosmology and galaxy formation	HKJ	
PHY656 - Quantum principles and quantum optics	MS(P)	
PHY663 - Relativistic cosmology and the early universe	KL	
PHY669 - High Energy Astrophysics: techniques and processes	KPL	

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	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	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(M)	Dr. Alok Maharana	RRC	Dr. Rhitoban Ray Chaudhuri
ARC	Dr. Angshuman Roy Choudhury	RS	Dr. S. V. Rama Sastry
AS	Dr. Anu Sabhlok	RSJ	Prof. Ramandeep S. Johal
ASJ	Dr. Ambresh Shivaji	RVA	Dr. R. Vijay Anand
AV	Dr. Ananth Venkatesan	RY	Dr. Ram Yadav
BS	Dr. Baerbel Sinha	SAB	Dr. S. Arulananda Babu
CAS	Dr. Chandrakant Aribam Sharma	SAS	Dr. Santosh Satbhai
CB	Dr. Chetan Balwe	SB	Dr. Samarjit Bhattacharyya
CK	Prof. Chanchal Kumar	SBP	Dr. Shashi Bhushan Pandit
CO	Dr. Chandrakant Ojha	SB(E)	Dr. Sharmila Bhattacharya (Inspire faculty)
CSA	Prof. Charanjit Singh Aulakh	SB(P)	Dr. Samir Biswas
DA	Dr. Debashish Adhikari	SBM	Dr. Subhabrata Maiti

DC	Dr. Dipanjan Chakraborty		
DJ	Dr. Debrina Jana (Inspire faculty)	SDM	Dr. Shane D'Mello
DS	Dr. Debdulal Saha	SG(C)	Dr. Samrat Ghosh
GS	Dr. Goutam Sheet	SG(P)	Dr. Sandeep Goyal
HKD	Dr. Hriday Kant Dewan	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 Lahiri	SM(B)	Dr. Sudip Mandal
JS	Dr. Jogender Singh	SM(BC)	Prof. Samrat Mukhopadhyay
JSB	Prof. Jasjeet Singh Bagla	SM(C)	Prof. Sanjay Mandal
JG	Dr. Jino George	SUM	Dr. Sugandha Maheshwary (Inspire faculty)
JK	Dr. Jotsaroop Kaur	SM(P)	Dr. Smriti Mahajan (Inspire faculty)
KC	Prof. Kausik Chattopadhyay	SOB	Dr. Sourabh Bhattacharya
KD	Prof. Kavita Dorai	SOM	Dr. Soma Maity
KG	Dr. Krishnendu Gongopadhyay	SKP	Dr. Santanu K Pal
KHP	Prof. Kapil H. Paranjape	SP	Dr. Sunil Patil
KL	Dr. Kinjalk Lochan	SR	Dr. Sabyasachi Rakshit
KPL	Prof. Kulinder Pal Singh	SS(B)	Prof. Somdatta Sinha
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. Lingaraj 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	UKG	Dr. Ujjal K. Gautam
		VB	Dr. Vishal Bharadwaj
MS(M)	Dr. Mahender Singh	VR	Dr. V. Rajesh
MS(P)	Dr. Mandip Singh	VRS	Dr. Varadhranj 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