

Teaching Assignment
Spring Semester (Session: 2020-21)

1xx Courses		
	Instructor	Tutor or Co-instructor
BIO101 - Cellular basis of life	AM, RR, IL	
BIO111 - Basic Biology Lab	KC, SBP, IL	
CHM101 - Chemistry of elements and chemical transformations	DA	SM(C), KRS, SBM
CHM111 - Chemistry Lab I	UG	RS, SG(C)
HSS101 - Language skills - A	PRC	
HSS101 - Language skills - B	AS	
IDC101 - Introduction to computers	SJ	SDM, MS, SBP
MTH101 - Symmetry	TK, JK	
PHY101 - Mechanics	SK	A, AC, KPS
PHY111 - Physics Lab I	YS	ABI, AC, SM(P)
2xx Courses		
BIO202 - Behaviour and Ecology	MJ/RRC	
BIO212 - Biology Lab IV	NGP/MJ/IA	
CHM202 - Energetics and dynamics of chemical reactions	SR	AKD, JG
CHM212 - Chemistry Lab IV	SAB	
MTH202 - Probability and Statistics	NS	
PHY202 - Thermodynamics and statistical physics	DC	KPY, RSJ, SS(P)
PHY212 - Physics Laboratory IV	RK	A, HKJ, VB
HSS202- Philosophy of science	Philose Koshy	
IDC201- Astronomy and astrophysics	KPL	
IDC203- Introduction to earth science	AA, SB(E), BS	
Seminar Courses		
IDC352 - Seminar (Attending)	AKB, KRS/RR(C), CAS, A/MB	
IDC452 - Seminar (Delivering)	AKB, KRS/RR(C), CAS, KPY/KPS	
IDC602 - Seminar (Attend & Deliver)	SM(BC), KRS/RR(C), AB, RSJ/SS(P)/PRC	
Biology Core Courses (BIO3xx)		
BIO304 - Essential Biochemistry	SKM	
BIO305 - Advanced developmental biology	SM(B)	
BIO306 - Plants: Form and function	SAS	
BIO312 - Development and physiology lab	SM(B), RY	
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	SSG	
CHM306 - Transition Metal chemistry	SS(C)	
CHM312 - Inorganic chemistry lab	RKR, UG	
Chemistry Major Courses (CHM4xx)		
CHM403 - Analytical Chemistry	JG	
CHM404 - Statistical Thermodynamics	AKD	
CHM412 - Analytical chemistry laboratory	ARC	
Mathematics Major Courses (MTH3xx)		
MTH305 - Complex Analysis	VV	
MTH307 - Discrete Mathematics	YP	
MTH308 - Groups and Fields	KP	
MTH309 - Measure and Probability	LS	
Physics Major Courses (PHY3xx)		
PHY304 - Statistical mechanics	AJ	
PHY306 - Advanced quantum mechanics	KL	
PHY312 - Advanced Electronics and instrumentation lab	SB(P)	GS, MS(P)
Physics Major Courses (PHY4xx)		
PHY412 - Condensed matter physics lab	AV	KPS, SG(P)
Physics PhD Courses (PHY6xx)		
PHY603 - Review of statistical mechanics	RSJ	
PHY604 - Review of quantum mechanics	SG(P)	
Electives		
Humanities & Social Sciences		
HSS602 – Social Theory: Concepts and Debates	RB	
HSS613: The social history of science in modern India, 1780-1950	VR	
HSS642: Science and Society	NGP (coordinator)	
HSS645 –World Cinema	ADC	
HSS646- Principles of Economics*	DS	
Inter-disciplinary Courses		
EES302- Sustainable interactions with the Atmosphere, Hydrosphere and Pedosphere	BS	
EES402- Geomorphology and earth surface processes	AA	
EES405 – Climate data analysis and visualization	RA(E)	
EES408 -Igneous and Metamorphic Petrology*	SOB	
EES642 - Environmental microbiology	SP(E)	
IDC305 - Selected Analytical Techniques	SV	
IDC407 - Network science	KSS	
IDC410 - Machine learning	KSS (coordinator)	
IDC411 - School science curriculum and textbooks	PB (coordinator)	
IDC621- Modelling Complex Systems	SS(P)	
IDC631- Geochemistry	SB(E)	
IDC632- Introduction to atmospheric chemistry and physics	VS	

IDC412 - Field Work in Science Education	AK (coordinator)	
Biology		
BIO454 - Neuroscience	SB	
BIO606- Biostatistics	NGP	
BIO611 - Fluorescence in Biology	SM(BC)	
BIO625 - Molecular evolution and phylogenetics	RRC	
Chemistry		
CHM602: Magnetic resonance	RR(C)	
CHM604 - Advanced Organic chemistry	RVA	
CHM607: Chemical crystallography	ARC	
CHM608 - Advanced industrial chemistry	SM(C)	
CHM609 - Polymer Chemistry	RKR	
CHM612 - Asymmetric Synthesis & Catalysis	RS	
CHM613- Supramolecular chemistry	SBM	
CHM615- Kinetics and dynamics of chemical reactions	MS	
CHM616- Computational chemistry	KRS	
CHM625- Molecular dynamics simulations	MS	
Mathematics		
MTH408 - Riemannian geometry	SOM	
MTH412: Structure of algebras	AK	
MTH415: Enumerative problems in geometry	AM(M)	
MTH425: Geometric group theory	PS	
MTH428- Commutative algebra and combinatorics	CK	
MTH429: Introduction to Lie groups	KG	
MTH434: Quadratic forms over fields	CB	
MTH436: An introduction to Knots and Braids	MS(M)	
MTH438- An introduction to Linear Algebraic Groups*	VRS	
MTH439- Homological methods in Algebraic Topology*	SDM	
Physics		
PHY422 - Computational Physics- I	VB	
PHY423 - Mathematical methods for physicists II	ASJ	
PHY622: Mathematical methods for physicists III	CSA	
PHY631 - Quantum Computation and Quantum Information	MB	
PHY637 - Astrophysics	ABI, JSB	
PHY638: Physics of fluids	JSB	
PHY654: Astrophysics II: Galaxies and Cosmology	HKJ	
PHY646- Quantum field theory and the Standard Model	KPY	
PHY656: Quantum Principles and Quantum Optics	MS(P)	
PHY671- The physics of superconductors*	GS	

* Subject to Senate approval

Expansion of Initials of Faculty Members			
Initials	Name	Initials	Name
A	Prof. Arvind	NS	Dr. Neeraja Sahasrabudhe
AA	Dr. Anoop Ambili	PB	Dr. P. Balanarayan
AB	Dr. Anirban Bose	PG	Prof. Purnananda Guptasarma
ABI	Dr. Aru Beri	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(M)	Dr. Alok Maharana	RRC(B)	Dr. Rhitoban Ray Chaudhuri
ARC	Dr. Angshuman Roy Choudhury	RS	Dr. S. V. Rama Sastry
AS	Dr. Anu Sabhlok	RSJ	Dr. 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
CSA	Prof. Charanjit Singh Aulakh	SB(E)	Dr. Sharmila Bhattacharya (Inspire faculty)
DA	Dr. Debashish Adhikari	SB(P)	Dr. Samir Biswas
DC	Dr. Dipanjan Chakraborty	SBM	Dr. Subhabrata Maiti
DS	Dr. Debsulal Saha	SD	Dr. Sanjib Dey (Inspire faculty)
GS	Dr. Goutam Sheet	SDM	Dr. Shane D'Mello
HKJ	Dr. Harvinder Kaur Jassal	SG(C)	Dr. Samrat Ghosh
IA	Dr. Ishan Agarwal	SG(P)	Dr. Sandeep Goyal
IB	Dr. Indranil Banerjee	SJ	Dr. Satyajit Jena
IL	Dr. Indrajit L	SKM	Dr. Shravan Kumar Mishra
JSB	Prof. Jasjeet Singh Bagla	SK(P)	Dr. Sanjeev Kumar
JG	Dr. Jino George	SM(B)	Dr. Sudip Mandal
JK	Dr. Jotsaroop Kaur	SM(BC)	Prof. Samrat Mukhopadhyay
JS	Dr. Jogender Singh	SM(C)	Prof. Sanjay Mandal
KC	Prof. Kausik Chattopadhyay	SM(P)	Dr. Smriti Mahajan (Inspire faculty)
KD	Dr. Kavita Dorai	SOM	Dr. Soma Maity
KG	Dr. Krishnendu Gongopadhyay	SOB	Dr. Sourabh Bhattacharya
KL	Dr. Kinjalk Lochan	SP(C)	Dr. Santanu Pal
KP	Prof. Kapil Paranjape	SP(E)	Dr. Sunil Patil
KPL	Dr. Kulinder Pal Singh	SR	Dr. Sabyasachi Rakshit
KPS	Dr. Kamal Priya Singh	SS(C)	Dr. Sanjay Singh
KPY	Dr. K.P Yogendran	SS(P)	Prof. Sudeshna Sinha
KRS	Dr. K.R. Shamasundar	SSG	Dr. Sanchita Sengupta
KSS	Dr. Kuljeet Singh Sandhu	SST(B)	Dr. Sharvan Sehwawat
LM	Dr. Lolitika Mandal	SV	Dr. Sugumar Venkatramani
LS	Dr. Lingraj Sahu	TK	Dr. Tanushree Khandai
MJ	Dr. Manjari Jain	UG	Dr. Ujjal K. Gautam
MB	Dr. Manabendra	VB	Dr. Vishal Bharadwaj
MS(B)	Dr. Mahak Sharma	VR	Dr. V. Rajesh
MS(C)	Dr. Monika Sharma (Inspire faculty)	VRS	Dr. Varadhraj Ravi Srinivasan
MS(M)	Dr. Mahender Singh	VS	Dr. Vinayak Sinha
MS(P)	Dr. Mandip Singh	VV	Dr. Vaibhav Vaish
NGP	Prof. N.G. Prasad	YP	Dr. Yashonidhi Pandey