

Teaching Assignment
Even Semester (Session: 2019-20)

1xx Courses		
	Instructor	Tutor or Co-instructor
BIO102 - Gene Expression and Development	RR(B)	
BIO112 - Biology Lab II	IB, RC, MS(B)	
CHM102 - Atoms, Molecules & Symmetry	RR(C)	
CHM112 - Chemistry Lab II	DJ, RKR, SG(C)	
HSS102 - History of Science	VR	
IDC102 - Hands on electronics	SJ	GS, MS(P)
MTH102 - Analysis in one variable	CAS	
PHY102 – Electromagnetism	AC	KPY,AJ,JSB
PHY112 - Physics Laboratory II	A	RK(P),KPS,SD

2xx Courses		
BIO202 - Behaviour and Ecology	MJ, RRC	
BIO212 - Biology Lab IV	NGP, MJ, IL	
CHM202 - Energetics and dynamics of chemical reactions	AKD	
CHM212 - Chemistry Lab IV	SAB, SP(C), SV	
MTH202 - Probability and Statistics	AK	
PHY202 - Thermodynamics and statistical physics	DC	MB,HKJ,KPY
PHY212 - Physics Laboratory IV	SK(P)	RSJ, SG(P),ABI
HSS202- Philosophy of science	RB,AS,NS	
IDC201- Astronomy and astrophysics	KPL	
IDC203- Introduction to earth science	AA/SB(E)	
IDC204- Theory of computation	SDM	

Seminar Courses		
IDC352 - Seminar (Attending)	KRS,AKB, SK(P),DC,KG,SOM	
IDC452 - Seminar (Delivering)	KRS,AKB, MB, AJ, KG,SOM	
IDC602 - Seminar (Attend & Deliver)	KRS,SM(BC),VS, SP(E), RSJ, KPS, KG,SOM	

Biology Core Courses (BIO3xx)		
BIO304 - Essential Biochemistry	SKM	
BIO305 - Advanced developmental biology	LM	
BIO306 - Plants: Form and function	SAS	
BIO312 - Development and physiology lab	SM(B), RY	
BIO313 – Experimental biology lab		
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	KC	
Chemistry Major Courses (CHM3xx)		
CHM304 - Symmetry in chemistry	SR	
CHM305 - Physical Organic chemistry	SSG	
CHM306 - Transition Metal chemistry	DA	
CHM312 - Inorganic chemistry lab	UG	
Chemistry Major Courses (CHM4xx)		
CHM403 - Analytical Chemistry	JG	
CHM404 - Statistical Thermodynamics	KRS	
CHM412 - Analytical chemistry laboratory	SBM	
Mathematics Major Courses (MTH3xx)		
MTH305 - Complex Analysis	AG	
MTH307 - Discrete Mathematics	CB	
MTH308 - Groups and Fields	AM(M)	
MTH309 - Measure and Probability	VRS	
Physics Major Courses (PHY3xx)		
PHY304 - Statistical mechanics	ASJ	
PHY306 - Advanced quantum mechanics	KL	
PHY312 - Advanced Electronics and instrumentation lab	KD	SB(P), KPS
Physics Major Courses (PHY4xx)		
PHY412 - Condensed matter physics lab	AV	KPY, SB(P)
Mathematics PhD Courses (MTH6xx)		
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	AS,RB	
HSS618 - India from prehistory to early history	PRC, VR	
HSS641 - Research methods in the humanities and social sciences (Only for Ph.D. students)	ADC/RB/AS	
HSS645 –World Cinema*	ADC	
Inter-disciplinary Courses		
EES405 – Climate data analysis and visualization	RA(E)	
EES406 – Introduction to atmospheric and climate Sciences	VS	
EES642 - Environmental microbiology	SP(E)	
IDC306 - Biocomputing	SBP	
IDC305 - Selected Analytical Techniques	SV	
IDC403 - Protein engineering	PG	
IDC407 - Network science	KSS	

IDC631- Geochemistry	AA/SB(E)	
IDC635 – Aerosol measurements	BS	
Biology		
BIO454 - Neuroscience	SB	
BIO606- Biostatistics	NGP	
BIO609- Immunology	AM(B)	
BIO611- Fluorescence in Biology	SM(BC)	
BIO614 - Topics in evolutionary biology	NGP	
BIO625 - Molecular evolution and phylogenetics	RRC	
Chemistry		
CHM604 - Advanced Organic chemistry	RVA	
CHM608 - Advanced industrial chemistry	SM(C)	
CHM609 - Polymer Chemistry	SS(C)	
CHM612 - Asymmetric Synthesis & Catalysis	RS	
CHM613- Supramolecular chemistry	SBM, SP(C), RKR	
CHM616- Computational chemistry	PB	
CHM625- Molecular dynamics simulations	MS(C)	
Mathematics		
MTH406- Fourier analysis	JK	
MTH408 - Riemannian geometry	PS	
MTH410 - Algebraic topology	MS(M)	
MTH416- Arithmetic of elliptic curves	VV	
MTH418- Fuchsian groups	KG	
MTH420- Linear operators in Hilbert spaces	LS	
MTH424- Introduction to Lie algebras	TK	
MTH427 -Introduction to global analysis	SOM	
MTH428- Commutative algebra and combinatorics	CK	
MTH430- Random graphs	NS	
MTH437-An introduction to Schemes*	YP	
Physics		
PHY422 - Computational Physics-1	JSB	
PHY425 - Computational Physics-2	VB	
PHY423 - Mathematical methods for physicists II	CSA	
PHY631 - Quantum Computation and Quantum Information	MB	
PHY635 - Gravitation and cosmology	HKJ	
PHY636 - Advanced condensed matter physics	GS	
PHY637 - Astrophysics	SM(P)	
PHY646- Quantum field theory and the Standard Model	AJ	
PHY652 - Phase transition and critical phenomena	RK(P)	
PHY656- Quantum principles and quantum optics	MS(P)	

* Subject to Senate approval

Expansion of Initials of Faculty			
Initials	Name	Initials	Name
A	Prof. Arvind	NS	Dr. Neeraja Sahasrabudhe
AA	Dr. Anoop Ambili	PB	Dr. P. Balanarayan
ABI	Dr. Aru Beri	PG	Prof. Purnananda Guptasarma
AC	Dr. Abhishek Chaudhuri	PS	Dr. Pranab Sardar
ADC	Dr. Adrene Freeda D'Cruz	PRC	Dr. Parth R Chauhan
AG	Dr. Abhik Gnguli	RA(E)	Dr. Raju Attada
AJ	Dr. Anosh Joseph	RB	Dr. Ritajyoti Bandhopadhyay
AKB	Prof. Anand K. Bachhawat	RC	Dr. Rachna Chhaba
AKD	Dr. Arijit K De	RK(P)	Dr. Rajeev Kapri
AK	Dr. Amit Kulshrestha	RKR	Dr. Raj Kumar Roy
AM(B)	Dr. Arunika Mukhopadhaya	RR(B)	Dr. Rajesh Ramachandran
AM(M)	Dr. Alok Maharana	RR(C)	Dr. Ramesh Ramachandran
ARC	Dr. Angshuman Roy Choudhury	RRC(B)	Dr. Rhitoban Ray Chaudhuri
AS	Dr. Anu Sabhlok	RS	Dr. S. V. Rama Sastry
ASJ	Dr. Ambresh Shivaji	RSJ	Dr. Ramandeep S. Johal
AV	Dr. Ananth Venkatesan	RVA	Dr. R. Vijay Anand
BS	Dr. Baerbel Sinha	RY	Dr. Ram Yadav
CAS	Dr. Chandrakant Aribam Sharma	SAB	Dr. S. Arulananda Babu
CB	Dr. Chetan Balwe	SAS	Dr. Santosh Satbhai
CK	Dr. Chanchal Kumar	SB	Dr. Samarjit Bhattacharyya
CSA	Prof. Charanjit Singh Aulakh	SBP	Dr. Shashi Bhushan Pandit
DA	Dr. Debashish Adhikari	SB(E)	Dr. Sharmila Bhattacharya (Inspire faculty)
DC	Dr. Dipanjan Chakraborty	SB(P)	Dr. Samir Biswas
DJ	Dr. Debrina Jana (Inspire faculty)	SBM	Dr. Subhabrata Maiti
GS	Dr. Goutam Sheet	SD	Dr. Sanjib Dey (Inspire faculty)
HKJ	Dr. Harvinder Kaur Jassal	SDM	Dr. Shane D'Mello
IB	Dr. Indranil Banerjee	SG(C)	Dr. Samrat Ghosh
IL	Dr. Indrajit L	SG(P)	Dr. Sandeep Goyal
JSB	Prof. Jasjeet Singh Bagla	SJ	Dr. Satyajit Jena
JG	Dr. Jino George	SKM	Dr. Shravan Kumar Mishra
JK	Dr. Jotsaroop Kaur	SK(P)	Dr. Sanjeev Kumar
KC	Dr. Kausik Chattopadhyay	SM(B)	Dr. Sudip Mandal
KD	Dr. Kavita Dorai	SM(BC)	Dr. Samrat Mukhopadhyay
KG	Dr. Krishnendu Gongopadhyay	SM(C)	Prof. Sanjay Mandal
KL	Dr. Kinjalk Lochan	SM(P)	Dr. Smriti Mahajan (Inspire faculty)
KPL	Dr. Kulinder Pal Singh	SOM	Dr. Soma Maity
KPS	Dr. Kamal Priya Singh	SP(C)	Dr. Santanu Pal
KPY	Dr. K.P Yogendran	SP(E)	Dr. Sunil Patil
KRS	Dr. K.R. Shamasundar	SR	Dr. Sabyasachi Rakshit
KSS	Dr. Kuljeet Singh Sandhu	SS(C)	Dr. Sanjay Singh
LM	Dr. Lolitika Mandal	SSG	Dr. Sanchita Sengupta
LS	Dr. Lingraj Sahu	SST(B)	Dr. Sharvan Sehrawat
MJ	Dr. Manjari Jain	SV	Dr. Sugumar Venkatramani
MB	Dr. Manabendra	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	Dr. N.G. Prasad	VS	Dr. Vinayak Sinha
		VV	Dr. Vaibhav Vaish
		YP	Dr. Yashonidhi Pandey