

**Teaching Assignment
Odd Semester (Session 2019-20)**

Course code with Title	Instructors	Tutors
1xx Courses		
BIO101 - Cellular basis of life	SST(B)	
BIO111 - Basic Biology Lab	KC, SBP, IL	
CHM101 - Chemistry of elements and chemical transformations	DA	
CHM111 - Chemistry Lab I	SP(C), SAB, SG(C)	
HSS101 - Language skills - A	ADC	
HSS101 - Language skills - B	RB	
IDC101 - Introduction to computers	AK	DC, Jayanta, KRS
MTH101 - Symmetry	CB	
PHY101 - Mechanics	SK(P)	SD, JSB, Manabendra
PHY111 - Physics Lab I	SB(P)	YS, Aru

2xx Courses		
BIO201 - Genetics and evolution	NGP	IL
BIO211 - Biology Lab III	NGP, SM(B), RRC	
CHM201 - Spectroscopic and other physical methods	SR	
CHM211 - Chemistry Lab III	UG, SV	
IDC202 - Chemical Biology	SM(BC)	
IDC207 - Introduction to Cryptography	CAS	
MTH201 - Curves and surfaces	PS	
PHY201 - Waves and optics	KPS	AC, ASJ, Manabendra
PHY211 - Physics Lab III	HKJ	KPL, SM(P)
IDC211 - Workshop training	AV	

Seminar Courses		
IDC351 - Seminar (Attending)	KD,RK(P), KRS, MJ,NS	
IDC451 - Seminar (Delivering)	AC,GS, KRS, AM,NS	
IDC601 - Seminar (Attend & Deliver)	KPY,ASJ, KRS, SBP,RR(B), NS, VS,SP(E)	
Biology Major Courses (BIO 3XX)		
BIO301 - Animals: Form and function	SB	
BIO302 - Advanced cell biology	SKM	
BIO303 - Experimental design and hypothesis testing	SS(B)	
BIO311 - Molecular methods in biology lab	RY/PG/NR	
Biology Major Courses (BIO 4XX)		
BIO401 - Structure and function of genomes	SAS	
BIO402 - Microbial physiology and microbial genetics	RC	
BIO411 - Bioinformatics lab	KSS	
Chemistry Major Courses (CHM 3XX)		

CHM301 - Quantum chemistry	PB	
CHM302 - Organic chemistry	RS	
CHM303 - Main group chemistry	SS(C)	
CHM311 - Organic chemistry lab	SBM, RVA, SAB, SSG	
Chemistry Major Courses (CHM 4XX)		
CHM401 - Molecular spectroscopy	RR(C)	
CHM402 - Chemistry of materials	DJ	
CHM411 - Physical chemistry lab	JG	
Mathematics Major Courses (MTH 3XX)		
MTH301 - Analysis in R ⁿ	VRS	
MTH302 - Integers, polynomials and matrices	CK	
MTH303 - Ordinary and partial differential equations	AM(M)	
MTH304 - Topology	MS(M)	
Mathematics Major Courses (MTH 4XX)		
MTH402 - Functional analysis	LS	
MTH403 - Manifolds	SOM	
Physics Major Courses (PHY 3XX)		
PHY301 - Classical mechanics	KPY	
PHY302 - Quantum mechanics	A	
PHY303 - Electrodynamics	RK(P)	
PHY 310 - Mathematical methods for physicists I	AJ	
PHY311 - Advanced optics and spectroscopy lab	MS(P)	SG(P), Manabendra, M S Sidhu
Physics Major Courses (PHY 4XX)		
PHY401 - Nuclear and particle physics	SJ	
PHY402 - Solid state physics	GS	
PHY403- Atomic and molecular physics	KD	
PHY411 - Nuclear physics lab	VB	KL, Kirandeep Kaur, Radhikesh
Mathematics PhD Courses (MTH 6XX)		
MTH601 - Topics in algebra	AG	
MTH602 - Topics in topology	SDM	
MTH605 - Topics in analysis	JK	
Physics PhD Courses (PHY 6XX)		
PHY601 - Review of classical mechanics	KL	
PHY602 - Review of electrodynamics	SD	
Electives		
Humanities & Social Sciences		
HSS611- Literary appreciation (PhD students only)	ADC	
HSS620- Imagining India: An intellectual history of orientalism	VR	
HSS634- Themes in infrastructure studies	RB	
HSS636- Climate change and sustainable development	BS	
HSS638- Ethnographic research and writing	AS	

HSS639- Advanced theory and method in Paleoanthropology (PhD students only)	PRC	
HSS-642 – Science and society	RB	
Inter-disciplinary Courses		
EES301- Sedimentology and Concepts in Stratigraphy	SB(E)	
EES403- Remote Sensing and GIS	SS(E)	
EES404- Basic Meteorology	RA(E)	
EES636 - The quaternary period-environments, animals adaptations during the last 2.5 million years	PRC	
EES638- Paleoclimatology	AA	
IDC408- Environmental hygiene, sanitation and waste management	BS/SP(E)	
IDC409- Introduction to Data Sciences	AK	
IDC632 - Introduction to atmospheric chemistry and physics	VS	
Biology		
BIO308 - Fundamentals of Microbiology	IB	
BIO456- Cancer cell biology	MS(B)	
BIO612 - RNA biology	RR(B)	
BIO615 - Developmental biology	LM	
BIO616 - Animal behaviour: Proximate mechanism, ultimate causes	MJ	
BIO628- Synthetic biology	AKB	
BIO629- Bioinformatics	KSS	
Chemistry		
CHM307 - Electrochemistry and ionic equilibria	SG	
CHM601 - Advanced inorganic chemistry	SM(C)	
CHM606 - Bio-organic chemistry	SBM	
CHM607 - Chemical crystallography	ARC	
CHM610 - Chemistry of natural products	RVA	
CHM617- Chemical dynamics and non-adiabatic interactions	PB, KRS	
CHM619 - Numerical methods in chemistry	MS(C)	
CHM620 - Energetics and dynamics of chemical reactions-2	AKD	
CHM624 - Soft matter, colloids and interfacial phenomena	RKR	
CHM626- Photochemistry- Concepts, Techniques and Applications	SSG	
Mathematics		
MTH411 - Commutative and homological algebra	AB	
MTH412- Structure of algebras	TK	
MTH421: Combinatorial group theory	KG	
MTH422 - Representations of finite groups	SUM	
MTH426: Algebraic curves	VV	
MTH435: Random processes	NS	
Physics		
PHY424 - Relativistic quantum mechanics and quantum field theory	ASJ	
PHY633- Mesoscopic physics	AV	
PHY638- Physics of fluids	JSB	

PHY640- Non-equilibrium statistical mechanics	DC	
PHY644- Foundations of quantum mechanics	SG(P)	
PHY668- Soft Matter Physics	AC	
INST		
INS652- Characterization of nanomaterials		
INS657-Carbon nanomaterials and its applications		
INS658- Nanobiotechnology and nanomedicine: Basics and applications		
INS662- Energy conversion and storage		
INS663- Nanotechnology in Drug delivery		

Expansion of Initials of Faculty			
Initials	Name	Initials	Name
A	Prof. Arvind	NS	Dr. Neeraja Sahasrabudhe
AA	Dr. Anoop Ambili	PB	Dr. P. Balanarayan
AB	Dr. Anirban Bose (Inspire faculty)	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	RR(P)	Dr. Rajeev Kapri
AK	Dr. Amit Kulshrestha	RKR	Dr. Raj Kumar Roy
AM(B)	Dr. Arunika Mukhopadhaya	RR(B)	Dr. Rajesh Ramachandran
AM(H)	Dr. Arun Murthy	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
BA	Dr. Bimalendu Adhikari (Inspire faculty)	SAB	Dr. S. Arulananda Babu
BS	Dr. Baerbel Sinha	SAS	Dr. Santosh Satbhai
CAS	Dr. Chandrakant Aribam Sharma	SB	Dr. Samarjit Bhattacharyya
CB	Dr. Chetan Balwe	SBP	Dr. Shashi Bhushan Pandit
CK	Dr. Chanchal Kumar	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	SD	Dr. Sanjib Dey (Inspire faculty)
DJ	Dr. Debrina Jana (Inspire faculty)	SDM	Dr. Shane D'Mello
GS	Dr. Goutam Sheet	SG(C)	Dr. Samrat Ghosh
HKJ	Dr. Harvinder Kaur Jassal	SG(M)	Dr. Satyajit Guin (Inspire faculty)
IB	Dr. Indranil Banerjee	SG(P)	Dr. Sandeep Goyal
IBSP	Prof. I.B.S Passi	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)	Dr. Samrat Mukhopadhyay
KB	Dr. Kavita Babu	SM(C)	Prof. Sanjay Mandal
KC	Dr. Kausik Chattopadhyay	SUM	Dr. Sugandha Maheshwary (Inspire faculty)
KD	Dr. Kavita Dorai	SM(P)	Dr. Smriti Mahajan (Inspire faculty)
KG	Dr. Krishnendu Gongopadhyay	SOM	Dr. Soma Maity
KHP	Prof. Kapil H. Paranjape	SP(C)	Dr. Santanu Pal
KL	Dr. Kinjalk Lochan	SP(E)	Dr. Sunil Patil
KP	Dr. Ketan Patel	SR	Dr. Sabyasachi Rakshit
KPL	Dr. Kulinder Pal Singh	SS(B)	Prof. Somdatta Sinha
KPS	Dr. Kamal Priya Singh	SS(C)	Dr. Sanjay Singh
KPY	Dr. K.P Yogendran	SS(E)	Dr. Shubhra Sharma
KRS	Dr. K.R. Shamasundar	SSG	Dr. Sanchita Sengupta
KSS	Dr. Kuljeet Singh Sandhu	SS(P)	Prof. Sudeshna Sinha
KSV	Prof. K.S. Viswanathan	SST(B)	Dr. Sharvan Sehrawat
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 (Inspire faculty)
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	Dr. N.G. Prasad	YP	Dr. Yashonidhi Pandey
NM	Dr. N. Mukunda	YS	Dr. Yogesh Singh
NR	Dr. Namita R		