

**Teaching Assignment  
Odd Semester (Session 2020-21)**

Course code with Title	Instructors	Tutors
<b>2xx Courses</b>		
BIO201 - Genetics and evolution	NGP	
BIO211 - Biology Lab III	NGP, SM(B), RRC(B)	
CHM201 - Spectroscopic and other physical methods	SR	DA, SG(C), Dr. Subhash C (PDF), JG, Dr. Dipti (PDF), Dr. Anita Yadav (PDF), Dr. Varinder Singh (PDF), Dr. Jhuma Dutta (PDF)
CHM211 - Chemistry Lab III	JG, SV	
IDC202 - Chemical Biology	SM(BC)	
IDC207 - Number theory and cryptography	KHP	
IDC208 - Introduction to Environmental Science	VS	
MTH201 - Curves and surfaces	VV	TK
PHY201 - Waves and optics	DC	KL, KD, SD, RK(P)
PHY211 - Physics Lab III	HKJ	KPL, SM(P)

<b>Seminar Courses</b>		
IDC351 - Seminar (Attending)	LM, SK/YS, SDM, SKP	
IDC451 - Seminar (Delivering)	RR(B)/SAS, SK/YS, SDM, SKP	
IDC601 - Seminar (Attend & Deliver)	BS, AM/KC/IL, SK/YS, TK, SKP	
<b>Biology Major Courses (BIO 3XX)</b>		
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)	
<b>Biology Major Courses (BIO 4XX)</b>		
BIO401 - Structure and function of genomes	SAS	
BIO402 - Microbial physiology and microbial genetics	IB	
BIO411 - Bioinformatics lab	KSS & SBP	
<b>Chemistry Major Courses (CHM 3XX)</b>		
CHM301 - Quantum chemistry	PB	
CHM302 - Organic chemistry	RS	
CHM303 - Main group chemistry	SS(C)	
CHM311 - Organic chemistry lab	SAB	
<b>Chemistry Major Courses (CHM 4XX)</b>		
CHM401 - Molecular spectroscopy	RR(C)	
CHM402 - Chemistry of materials	UG	
CHM411 - Physical chemistry lab	DJ	
<b>Chemistry Major Courses (CHM 6XX)</b>		
Chm601 - Advanced Inorganic Chemistry	SM	
<b>Mathematics Major Courses (MTH 3XX)</b>		

MTH301 - Analysis in $R^n$	JK	
MTH302 - Integers, polynomials and matrices	VRS	
MTH303 - Ordinary and partial differential equations	AM(M)	
MTH304 - Topology	CK	
<b>Mathematics Major Courses (MTH 4XX)</b>		
MTH402 - Functional analysis	YP	
MTH403 - Manifolds	SOM	
<b>Physics Major Courses (PHY 3XX)</b>		
PHY301 - Classical mechanics	KPY	
PHY302 - Quantum mechanics	MNB	
PHY303 - Electrodynamics	AC	
PHY 310 - Mathematical methods for physicists I	SG(P)	
PHY311 - Advanced optics and spectroscopy lab	KPS	2 PDF
<b>Physics Major Courses (PHY 4XX)</b>		
PHY401 - Nuclear and particle physics	AJ	
PHY402 - Solid state physics	GS	
PHY403- Atomic and molecular physics	RSJ	
PHY411 - Nuclear physics lab	SJ	2 PDF
<b>Mathematics PhD Courses (MTH 6XX)</b>		
MTH601 - Topics in algebra	AK	
MTH602 - Topics in topology	PS	
MTH605 - Topics in analysis	LS	
<b>Physics PhD Courses (PHY 6XX)</b>		
PHY601 - Review of classical mechanics	JSB	
PHY602 - Review of electrodynamics	MS(P)	
<b>Electives</b>		
<b>Humanities &amp; Social Sciences</b>		
HSS611- Literary appreciation		ADC
HSS616 – Bones, Stones and Chromosomes		PRC/RRC(B)
HSS617 - Plassey to partition		VR
HSS627 - The idea of India: Intellectual imaginary of nation		VR
HSS634- Themes in infrastructure studies		RB
HSS637 – Reading records (PhD only)		RB
HSS636- Climate change and sustainable development		BS
HSS638- Ethnographic research and writing		AS
<b>Inter-disciplinary Courses</b>		
EES301- Sedimentology and Concepts in Stratigraphy		SB(E)
EES404- Basic Meteorology		RA(E)
EES638- Paleoclimatology		AA
EES643- Environmental biotechnology		SP(E)
IDC402 - Nonlinear dynamics, chaos and complex systems		SS(P)
IDC409 – Introduction to Data Sciences		A
IDC622 - Physical basis of medical diagnostics		SB(P)
IDC636 - Pedagogy of science		SSA
IDC637 - Science communication		SSA

<b>Biology</b>	
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
BIO628- Synthetic biology	AKB
BIO629- Bioinformatics	KSS & SBP
<b>Chemistry</b>	
CHM307 - Electrochemistry and ionic equilibria	SG
CHM413-Introduction to Stochastic numerical methods	KRS
CHM606 - Bio-organic chemistry	SBM
CHM607 - Chemical crystallography	ARC
CHM610 - Chemistry of natural products	RVA
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
<b>Mathematics</b>	
MTH411 - Commutative and homological algebra	AG
MTH413 – Advanced Probability	NS
MTH414 -Advanced complex analysis	KG
MTH422 -Representations of finite groups	MS(M)
MTH426- Algebraic curves	CB
MTH433 - Geometric algebra	AB
MTH608 - Algebraic number theory-I	CAS
<b>Physics</b>	
PHY424 - Relativistic quantum mechanics and quantum field theory	ASJ
PHY657- Radio-frequency and microwave circuits	AV
PHY658- Advanced QFT methods and special topics in high energy physics	CSA
PHY661- Selected topics in classical and quantum mechanics	A
PHY669- High energy Astrophysics	ARB

Expansion of Initials of Faculty			
Initials	Name	Initials	Name
A	Prof. Arvind	PB	Dr. P. Balanarayan
AA	Dr. Anoop Ambili	PG	Prof. Purnananda Guptasarma
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. Rajeew 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	Dr. 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	Dr. 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
GS	Dr. Goutam Sheet	SG(P)	Dr. Sandeep Goyal
HKJ	Dr. Harvinder Kaur Jassal	SJ	Dr. Satyajit Jena
IB	Dr. Indranil Banerjee	SKM	Dr. Shravan Kumar Mishra
IL	Dr. Indrajit L	SK(P)	Dr. Sanjeev Kumar
JSB	Prof. Jasjeet Singh Bagla	SM(B)	Dr. Sudip Mandal
JG	Dr. Jino George	SM(BC)	Dr. Samrat Mukhopadhyay
JK	Dr. Jotsaroop Kaur	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	SKP	Dr. Santanu K Pal
KL	Dr. Kinjalk Lochan	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	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 Sehrawat
LS	Dr. Lingraj Sahu	SV	Dr. Sugumar Venkatramani
MJ	Dr. Manjari Jain	TK	Dr. Tanushree Khandai
MNB	Dr. Manabendra Nath Bera	UG	Dr. Ujjal K. Gautam
MS(B)	Dr. Mahak Sharma	VB	Dr. Vishal Bharadwaj (Inspire faculty)
MS(C)	Dr. Monika Sharma (Inspire faculty)	VR	Dr. V. Rajesh
MS(M)	Dr. Mahender Singh	VRS	Dr. Varadhranj Ravi Srinivasan
MS(P)	Dr. Mandip Singh	VS	Dr. Vinayak Sinha
NGP	Dr. N.G. Prasad	VV	Dr. Vaibhav Vaish
NS	Dr. Neeraja Sahasrabudhe	YP	Dr. Yashonidhi Pandey
		YS	Dr. Yogesh Singh