



राष्ट्रीय विज्ञान शिक्षा एवं अनुसंधान संस्थान भुवनेश्वर  
(परमाणु ऊर्जा विभाग, भारत सरकार का एक स्वयं शासित संस्थान)

**NATIONAL INSTITUTE OF SCIENCE EDUCATION AND RESEARCH BHUBANESWAR**  
(An autonomous Institution under Department of Atomic Energy, Govt. of India)

**Slotting Based Time Table for 2023-24, Odd Sem (August 2023 – December 2023)**

**(2<sup>nd</sup> year onwards)**

Day	8.30- 9. 25	9.30- 10. 25	10.30- 11. 25	11.30- 12. 25	12.30- 13. 25	13.30- 14. 25	14.30- 15. 25	15.30- 16. 25	16.30- 17. 25	17.30- 18. 25	18.30- 19. 25
Monday	A	B	C	D	Lunch Break	E	G	H	I	J	K
Tuesday	F	A	B	C		D	G	H	I	K	J
Wednesday	E	F	A	B		C	G	H	I	J	K
Thursday	D	E	F	A		B	G	H	I	K	J
Friday	C	D	E	F		Department Seminars/ Meetings	Department Seminars/ Meetings	NISER Colloquium	NISER Colloquium		

*Debasmita Alona*  
Dean/Asso. Dean  
Academic Affairs



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**NATIONAL INSTITUTE OF SCIENCE EDUCATION AND RESEARCH BHUBANESWAR**  
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## Time Table for 1<sup>st</sup> Year (Batch 2023)

### Academic Year 2023-24 Odd Semester

Day	08:30-09: 25	09:30 - 10: 25	10:30- 11: 25	11:30 - 12: 25	12:30-01: 25	13:30- 14:30	14:30-15: 25	15:30-16: 25	16:30-17: 25
Monday	B101	M101	C101	H101	LUNCH BREAK		LAB CLASSES (B1, B2, B3, B4)		
Tuesday	P101	B101	M101	H109			LAB CLASSES (B1, B2, B3, B4)		
Wednesday	C101	P101	B101	H101			LAB CLASSES (B1, B2, B3, B4)		
Thursday	M101	C101	P101	H109			LAB CLASSES (B1, B2, B3, B4)		
Friday	CS141	CS141						NISER Colloquium	NISER Colloquium

### Laboratory Classes (Monday-Thursday) 14:30 – 17: 25

	P141	CS141	B141	C141
Monday	B1	B4	B3	B2
Tuesday	B2	B1	B4	B3
Wednesday	B3	B2	B1	B4
Thursday	B4	B3	B2	B1

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Venue: Theory Classes: LH5

Lab Classes: Respective Departments



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## School of Biological Sciences

Course Offered for odd Sem 23-24 (August 2023 – December 2023)

CREDITS	CODE	SUBJECT	COURSE INSTRUCTOR	SLOT(S)	ROOM NO.
<b>Semester I</b>					
6	B101	BIOLOGY I: SCIENCE OF LIFE	DR. RAMANUJAM SRINIVASAN, DR. ANIRUDDHA DATTA ROY		LH5
3	B141	BIOLOGY LABORATORY-I	DR. DEBASMITA P. ALONE, DR. SWAGATA GHATAK, DR. MD. SALEEM	G,H,I	
<b>Semester III</b>					
8	B201	MICROBIOLOGY	DR. HARAPRIYA MOHAPATRA	D	B8
8	B202	BIOCHEMISTRY	DR. TIRUMALA KUMAR CHOWDARY	B	LH 2
4	B241	MICROBIOLOGY LABORATORY	DR. RAMANUJAM SRINIVASAN	G,H,I	
4	B242	BIOCHEMISTRY LABORATORY	DR. ABDUR RAHAMAN	G,H,I	
8	*****	OUT OF STREAM ELECTIVE (8 CREDITS)			
4	H***	ELECTIVE (FROM SHSS)			
4	H***	ELECTIVE (FROM SHSS)			
<b>Semester V</b>					
8	B301	ANIMAL PHYSIOLOGY	DR. ASIMA BHATTACHARYYA	D	LH 3
8	B302	PLANT PHYSIOLOGY	DR. KISHORE PANIGRAHI, DR. HIMABINDU VASUKI KILAMBI	E	LH 3
8	B303	ECOLOGY	DR. RITTIK DEB	F	LH 3
4	B341	ANIMAL PHYSIOLOGY LABORATORY	DR. ASIMA BHATTACHARYYA	G,H,I	
4	B342	PLANT PHYSIOLOGY LABORATORY	DR. HIMABINDU VASUKI KILAMBI	G,H,I	
8	*****	OUT OF STREAM ELECTIVE (8 CREDITS)			
<b>Semester VII</b>					
8	B402	DEVELOPMENTAL BIOLOGY	DR. SWAGATA GHATAK	F	LH 2
8	B405	BIOTECHNIQUES	PROF. PALOK AICH	A	LH 2
8	B406	INTRODUCTORY BIOPHYSICS	DR. MD. SALEEM	D	LH 2
8(Elective)	B464	NEUROBIOLOGY	DR. PRAFUL SINGRU	C	B5
8(Elective)	B465	STRUCTURAL BIOLOGY	DR. RUDRESH ACHARYA	B	B5
8(Elective)	B552	ADVANCED IMMUNOLOGY	DR. SUBHASIS CHATTOPADHYAY	C	B4
8	B498	BIOLOGY PROJECT	UGCS CONVENER		
<b>Semester IX</b>					
4	B464	NEUROBIOLOGY	DR. PRAFUL SINGRU	C	B5
4	B465	STRUCTURAL BIOLOGY	DR. RUDRESH ACHARYA	B	B5
4	B552	ADVANCED IMMUNOLOGY	DR. SUBHASIS CHATTOPADHYAY	C	B4
24	B598	BIOLOGY PROJECT/ DISSERTATION	UGCS CONVENER		

**Ph.D Courses**

CREDITS	CODE	SUBJECT	FACULTY	SLOT(S)	ROOM NO.
<b>Semester – I</b>					
6	BL701	ADVANCED MOLECULAR BIOLOGY	DR. PANKAJ V. ALONE	B	B4
6	BL601	BIOINFORMATICS AND COMPUTATIONAL BIOLOGY	DR. BADIREENATH V. KONKIMALLA	A	B4
6 (elective)	BL660	DEVELOPMENTAL BIOLOGY	DR. SWAGATA GHATAK	F	LH 2
6 (elective)	BL751	ADVANCED IMMUNOLOGY	DR. SUBHASIS CHATTOPADHYAY	C	B4
12	BL699	RESEARCH PROJECT-1	PGCS CONVENER		
<b>Semester – II</b>					
6	BL701	ADVANCED MOLECULAR BIOLOGY	DR. PANKAJ V. ALONE	B	B4
6	BL601	BIOINFORMATICS AND COMPUTATIONAL BIOLOGY	DR. BADIREENATH V. KONKIMALLA	A	B4
6 (elective)	BL660	DEVELOPMENTAL BIOLOGY	DR. SWAGATA GHATAK	F	LH 2
6 (elective)	BL751	ADVANCED IMMUNOLOGY	DR. SUBHASIS CHATTOPADHYAY	C	B4
12	BL799	RESEARCH PROJECT-2	PGCS CONVENER		

**Int. M.Sc.-Ph.D Courses**

CREDITS	CODE	SUBJECT	FACULTY	SLOT(S)	ROOM NO.
<b>Semester – I</b>					
8	B701	PERSPECTIVES IN MOLECULAR BIOLOGY	DR. PANKAJ ALONE	B	B4
8	B702	MOLECULAR GENETICS	DR. MANJUSHA DIXIT	E	B5
8	B703	BIOLOGY OF THE CELL	DR. CHANDAN GOSWAMI	C	B5
8	B704	INTRODUCTORY BIOPHYSICS	DR. MD. SALEEM	D	LH2
8	B741	LABORATORY-I	DR. PANKAJ V. ALONE, DR.ABDUR RAHAMAN, DR. DEBASMITA P. ALONE, DR. RUDRESH ACHARYA, DR. MANJUSHA DIXIT		
<b>Semester – III</b>					
8	B801	BIOTECHNIQUES	DR. PALOK AICH	A	LH2
8	B802	PHYSIOLOGY	DR. ASIMA BHATTACHARYYA, DR. KISHORE C. PANIGRAHI	F	B4
8	***	ELECTIVE- I*			
8	***	ELECTIVE- II*			
8	B841	LABORATORY- III	DR. HIMABINDU V. KILAMBI, DR. SUBHASIS CHATTOPADHYAY, DR. KISHORE C. PANIGRAHI, DR. ASIMA BHATTACHARYA, DR. TIRUMALA KUMAR CHOWDARY		

\*Elective-I and II to be taken from the list of elective courses below

8	B851	DEVELOPMENTAL BIOLOGY	DR. SWAGATA GHATAK	F	LH2
8	B864	NEUROBIOLOGY	DR. PRAFUL SINGRU	C	B5
8	B865	STRUCTURAL BIOLOGY	DR. RUDRESH ACHARYA	B	B5

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## School of Chemical Sciences

Course Offered for Odd Sem 23-24 (August 2023 – December 2023)

CREDITS	CODE	SUBJECT	FACULTY	SLOT(S)	ROOM NO.
<b>Semester I</b>					
6	C101	CHEMISTRY I	DR. U. LOURDERAJ		LH5
3	C141	CHEMISTRY LAB I	DR. SUDIP BARMAN	G,H,I	
<b>Semester III</b>					
8	C201	BASIC INORGANIC CHEMISTRY	DR. V. KRISHNAN	E	LH 2
8	C203	REACTION MECHANISM IN ORGANIC CHEMISTRY	DR. P. C. RAVIKUMAR	A	LH 4
8	C207	MATHEMATICAL METHODS FOR CHEMISTS	DR. HIMANSU SEKHAR BISWAL	C	C6
4	C245	INORGANIC CHEMISTRY LAB.	DR. SANJIB KAR	G,H,I	
<b>Semester V</b>					
8	C301	PHYSICAL ORGANIC CHEMISTRY	DR. N. K. SHARMA	B	LH 3
8	C302	MOLECULAR SPECTROSCOPY & GROUP THEORY	DR. MOLOY SARKAR	A	LH 3
8	C307	THERMODYNAMICS AND ELECTROCHEMISTRY	DR. BISHNU PRASAD BISWAL	C	LH 3
6	C341	ORGANIC CHEMISTRY LAB -I	DR. PRASENJIT MAL	G,H,I	
6	C342	INORGANIC CHEMISTRY LAB. -I	DR. BIDRAHA BAGH	G,H,I	
<b>Semester VII</b>					
8	C401	PHYSICAL METHODS IN CHEMISTRY - II	DR. C. S. PUROHIT	B	LH 4
8	C403	CHEMISTRY OF HETEROCYCLES AND NATURAL PRODUCTS	DR. C. GUNANATHAN	D	LH4
8	C552	SOLID STATE CHEMISTRY	DR. J. N. BEHERA	C	LH 4
8	C557	NUCLEAR MAGNETIC RESONANCE	DR. ARINDAM GHOSH	A	C6
8	C568	ADVANCED FLUORESCENCE SPECTROSCOPY	DR. SUBHADIP GHOSH	E	LH 4
8	C572	FRONTIERS IN ORGANIC SYNTHESIS	DR. S. PERUNCHERALATHAN	A	C1
16	C498	CHEMISTRY PROJECT	UGCS CONVENER		
<b>Semester IX</b>					
4	C552	SOLID STATE CHEMISTRY	DR. J. N. BEHERA	C	LH 4
4	C557	NUCLEAR MAGNETIC RESONANCE	DR. ARINDAM GHOSH	A	C6
4	C568	ADVANCED FLUORESCENCE SPECTROSCOPY	DR. SUBHADIP GHOSH	E	LH 4
4	C572	FRONTIERS IN ORGANIC SYNTHESIS	DR. S. PERUNCHERALATHAN	A	C1
16	C598	CHEMISTRY PROJECT	UGCS CONVENER		

### Ph.D Courses

CREDITS	CODE	SUBJECT	FACULTY	SLOT(s)	ROOM NO.
<b>Semester – I</b>					
6	CH601	PHYSICAL METHODS IN CHEMISTRY - II	DR. C. S. PUROHIT	B	LH 4
6	CH603	CHEMISTRY OF HETEROCYCLES AND NATURAL PRODUCTS	DR. C. GUNANATHAN	D	LH4
6	CH602	MOLECULAR SPECTROSCOPY & GROUP THEORY	DR. MOLOY SARKAR	A	LH 3

6	CH652	SOLID STATE CHEMISTRY	DR. J. N. BEHERA	C	LH 4
6	CH657	NUCLEAR MAGNETIC RESONANCE	DR. ARINDAM GHOSH	A	C6
6	CH668	ADVANCED FLUORESCENCE SPECTROSCOPY	DR. SUBHADIP GHOSH	E	LH 4
12	CH754	ORGANIC CHEMISTRY PROJECT I	PGCS CONVENER		
12	CH756	INORGANIC CHEMISTRY PROJECT I	PGCS CONVENER		
12	CH758	PHYSICAL CHEMISTRY PROJECT I	PGCS CONVENER		
<b>Semester – II</b>					
6	CH601	PHYSICAL METHODS IN CHEMISTRY - II	DR. C. S. PUROHIT	B	LH 4
6	CH603	CHEMISTRY OF HETEROCYCLES AND NATURAL PRODUCTS	DR. C. GUNANATHAN	D	LH4
6	CH602	MOLECULAR SPECTROSCOPY & GROUP THEORY	DR. MOLOY SARKAR	A	LH 3
6	CH652	SOLID STATE CHEMISTRY	DR. J. N. BEHERA	C	LH 4
6	CH657	NUCLEAR MAGNETIC RESONANCE	DR. ARINDAM GHOSH	A	C6
6	CH668	ADVANCED FLUORESCENCE SPECTROSCOPY	DR. SUBHADIP GHOSH	E	LH 4
12	CH755	ORGANIC CHEMISTRY PROJECT II	PGCS CONVENER		
12	CH757	INORGANIC CHEMISTRY PROJECT II	PGCS CONVENER		
12	CH759	PHYSICAL CHEMISTRY PROJECT II	PGCS CONVENER		

**Int. Ph.D Courses**

CREDITS	CODE	SUBJECT	FACULTY	SLOT(S)	ROOM NO.
<b>Semester – I</b>					
8	C701	PHYSICAL ORGANIC CHEMISTRY	DR. N. K. SHARMA	B	LH3
8	C702	MOLECULAR QUANTUM MECHANICS	DR. BHARGAVA B L	C	C2
8	C703	CHEMISTRY OF MAIN GROUP (S & P-BLOCK) ELEMENTS	DR. S. NEMBENNA	D	C2
6	C741	ORGANIC CHEMISTRY LAB -I	DR. PRASENJIT MAL	G,H,I	
6	C742	INORGANIC CHEMISTRY LAB. -I	DR. BIDRAHA BAGH	G,H,I	
<b>Semester – III</b>					
8	C801	HETEROCYCLIC & NATURAL PRODUCT CHEMISTRY	DR. C. GUNANATHAN	D	C6
8	C802	ORGANOMETALLIC CHEMISTRY	DR. DIPAK SAMANTA	F	C3
8	C905	SOLID STATE CHEMISTRY	DR. J. N. BEHERA	C	LH4
8	C909	NUCLEAR MAGNETIC RESONANCE	DR. ARINDAM GHOSH	A	C6
8	C920	ADVANCED FLUORESCENCE SPECTROSCOPY	DR. SUBHADIP GHOSH	E	LH4
8	C924	FRONTIERS IN ORGANIC SYNTHESIS	DR. S. PERUNCHERALATHAN	A	C1
8	C803	APPLIED SPECTROSCOPY - I	DR. C. S. PUROHIT	B	LH 4
6	C841	INORGANIC CHEMISTRY LABORATORY - II	DR. A. SRINIVASAN	G,H,I	

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## School of Mathematical Sciences

Course Offered for odd Sem 23-24 (August 2023 – December 2023)

CREDITS	CODE	SUBJECT	COURSE INSTRUCTOR	SLOT(S)	ROOM NO.
<b>Semester I</b>					
6	M101	MATHEMATICS I	DR.BINOD KUMAR SAHOO AND DR.KAMAL LOCHAN PATRA		LH5
<b>Semester III</b>					
8	M201	REAL ANALYSIS	DR.ANIL KUMAR KARN	E	M 1
8	M203	DISCRETE MATHEMATICS	DR.MITHUN KUMAR DAS	B	M 1
8	M205	LINEAR ALGEBRA	DR.SUDHIR PUJAHARI	A	M 1
<b>Semester V</b>					
8	M302	RINGS AND MODULES	DR.CHITRABHANU CHAUDHURI	B	M 2
8	M303	DIFFERENTIAL EQUATION	DR.ANUPAM PAL CHOUDHURY	E	M 4
8	M305*	NUMBER THEORY	DR.JABAN MEHER	F	M 2
8	M306	CALCULUS OF SEVERAL VARIABLES	Dr. KRISHANU DAN	C	M 2
<b>Semester VII</b>					
8	M401	FUNCTIONAL ANALYSIS	DR.PANCHUGOPAL BIKRAM	C	M 3
4	M403	COMMUTATIVE ALGEBRA	DR.REKHA BISWAL	D	M 3
8	M405	TOPOLOGY	DR.TUSHAR KANTA NAIK	E	M 3
<b>Semester IX</b>					
4	M305	STATISTICS	DR.KAUSHIK MAJUMDER	B	M 5
20	M598	DISSERTATION	UGCS SMS		

### Electives (Credits 4 for old syllabus)

4,8	M484	COMMUTATIVE ALGEBRA	DR.REKHA BISWAL	D	M 5
4,8	M562	BROWNIAN MOTION AND STOCHASTIC CALCULUS	DR.NABIN KUMAR JANA	H	M 5
4,8	M466	MEASURE THEORY	DR.MANAS RANJAN SAHOO	A	M 5
4,8	M556*	LIE GROUPS AND LIE ALGEBRA I	DR.SANJAY PARUI	H	M 4
4,8	M464	INFORMATION AND CODING THEORY	DR.DEEPAK KUMAR DALAI	G	M 3
4,8	M459*	STATISTICS	DR.KAUSHIK MAJUMDER	B	M 4
4,8	M458	ALGEBRAIC NUMBER THEORY	DR. K. SENTHIL KUMAR	I	M 4

## Ph.D Courses

CREDITS	CODE	SUBJECT	FACULTY	SLOT(S)	ROOM NO.
<b>Semester – I</b>					
8	MA601	ALGEBRA I	PROF. BRUNDABAN SAHU	A	M6
8	MA603	ANALYSIS I	DR. DINESH KUMAR KESHARI	C	M2
8	MA605	TOPOLOGY I	DR. RAMESH MANNA	D	M2
4	MA697	SEMINAR COURSE -I	PGCS CONVENOR		

## Int. Ph.D Courses

CREDITS	CODE	SUBJECT	FACULTY	SLOT(S)	ROOM NO.
<b>Semester – I</b>					
8	MA701	LINEAR ALGEBRA	DR. SUTANU ROY	A	M3
8	MA702	MATHEMATICAL ANALYSIS	DR. RITWIK MUKHERJEE	B	M3
8	MA703	NUMBER THEORY	DR. JABAN MEHER	F	M2
8	MA704	DIFFERENTIAL EQUATION	DR. ANUPAM PAL CHOUDHURY	D	M2
8	MA705	CALCULUS OF SEVERAL VARIABLES	DR. KRISHANU DAN	C	M2
<b>Semester – III</b>					
8	MA801	FUNCTIONAL ANALYSIS	DR. PANCHUGOPAL BIKRAM	C	M3
8	MA802	MODULE THEORY	DR. SUMANA HATUI	F	M3
8	MA803	TOPOLOGY	DR. TUSHAR KANTA NAIK	E	M3
8	MA848	PROJECT – I	PGCS CONVENOR		
8	*	ELECTIVE 1			

\*Elective-I to be taken from the list of elective courses below

8	MA877	COMMUTATIVE ALGEBRA	DR. REKHA BISWAL	D	M3
8	MA889	BROWNIAN MOTION AND STOCHASTIC CALCULUS	DR. NABIN KUMAR JANA	H	M2
8	MA883	LIE GROUPS AND LIE ALGEBRA I	DR. SANJAY PARUI	H	M4
8	MA861	INFORMATION AND CODING THEORY	DR. DEEPAK KUMAR DALAI	G	M3
8	MA857	ALGEBRAIC NUMBER THEORY	DR. K. SENTHIL KUMAR	I	M3

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## School of Physical Sciences

Course Offered for odd Sem 23-24 (August 2023 – December 2023)

CREDITS	CODE	SUBJECT	COURSE INSTRUCTOR	SLOT(s)	ROOM NO.
<b>Semester – I</b>					
6	P101	INTRODUCTORY PHYSICS I	Dr. SUMEDHA Dr. NAJMUL HAQUE		LH5
3	P141	PHYSICS LABORATORY-I	Dr. ASHIS KUMAR NANDY Dr. MRIGANKA MONDAL	G,H,I	
<b>Semester – III</b>					
8	P201	CLASSICAL MECHANICS I	DR. NISHIKANTA KHANDAI	E	P 107
8	P202	MATHEMATICAL METHODS I	Dr. AJAYA KUMAR NAYAK	F	LH 4
4	P207	LINEAR OPTICS	Dr. TUHIN GHOSH	B	P 126
3	P241	GENERAL PHYSICS LABORATORY	Prof. SANJAY SWAIN (2d)	G,H,I	
5	P245	BASIC ELECTRONICS THEORY & LAB	Dr. PRATAP KUMAR SAHOO	D G,H,I	P 126
<b>Semester – V</b>					
8	P302	STATISTICAL MECHANICS	Dr. AMARESH K JAISWAL	C	P 107
8	P303	QUANTUM MECHANICS II	Dr. YOGESH KUMAR SRIVASTAVA	F	P 107
8	P304	SPECIAL THEORY OF RELATIVITY	Prof. HIRANMAYA MISHRA	D	P 107
6	P346	COMPUTATIONAL PHYSICS LABORATORY	Dr. COLIN BENJAMIN	G,H,I	
3	P345	OPTICS LABORATORY	Dr. LUKE ROBERT CHAMANDY (1d)	G,H,I	
3	P343	MODERN PHYSICS LABORATORY	Dr. NARAYAN RANA (2d)	G,H,I	
<b>Semester – VII</b>					
8	P401	CLASSICAL MECHANICS II: MECHANICS OF CONTINUOUS MEDIA	Dr. VICTOR ROY	E	P 127
8	P405	ATOMS MOLECULES AND RADIATION	Dr. PRASANJIT SAMAL	F	P 127
8	P441**	INTEGRATED PHYSICS LAB I	Dr. KARTIKESWAR SENAPATI		
4,8	P451	ADVANCED SOLID STATE PHYSICS	Dr. KUSH SAHA	B	P 107
4,8	P453	QUANTUM FIELD THEORY-I	Dr. YOGESH KUMAR SRIVASTAVA	C	P109
4,8	P462	INTRODUCTION TO QUANTUM OPTICS	Dr. ASHOK MOHAPATRA	C	LH1
4,8	P473*	EXPERIMENTAL TECHNIQUES	Dr. SUBHANKAR BEDANTA	A	LH 1
4,8	P474	INTRODUCTION TO COSMOLOGY	Dr. TUHIN GHOSH	D	P 127

Semester – IX					
4,8	P451	ADVANCED SOLID STATE PHYSICS	Dr. KUSH SAHA	B	P 107
4,8	P453	QUANTUM FIELD THEORY-I	Dr. YOGESH KUMAR SRIVASTAVA	C	P 109
4,8	P462	INTRODUCTION TO QUANTUM OPTICS	Dr. ASHOK MOHAPATRA	C	LH1
4,8	P473*	EXPERIMENTAL TECHNIQUES	Dr. SUBHANKAR BEDANTA	A	LH 1
4,8	P474	INTRODUCTION TO COSMOLOGY	Dr. TUHIN GHOSH	D	P 127
16	P598	PHYSICS PROJECT	UGCS CONVENER		

### Ph.D Courses

CREDITS	CODE	SUBJECT	FACULTY	SLOT(S)	ROOM NO.
<b>Semester – I</b>					
6	PH601	CLASSICAL MECHANICS	Dr. CHETHAN N GOWDIGERE	G	P 110
6	PH602	MATHEMATICAL METHODS	Dr. TAPAN MISHRA	H	P 110
6	PH603	ELECTROMAGNETISM	Dr. PROLAY KUMAR MAL	I	P 110
12	PH698	MINI PROJECT	PGCS Convener		
<b>Semester – II</b>					
6	PH601	CLASSICAL MECHANICS	Dr. CHETHAN N GOWDIGERE	G	P 110
6	PH602	MATHEMATICAL METHODS	Dr. TAPAN MISHRA	H	P 110
6	PH603	ELECTROMAGNETISM	Dr. PROLAY KUMAR MAL	I	P 110
12	PH699	PROJECT	PGCS Convener		

### Int. Ph.D Courses

CREDITS	CODE	SUBJECT	FACULTY	SLOT(S)	ROOM NO.
<b>Semester – I</b>					
4	P701	CLASSICAL MECHANICS	Dr. CHETHAN N GOWDIGERE	G	P 110
4	P702	MATHEMATICAL METHODS	Dr. TAPAN MISHRA	H	P 110
4	P703	ELECTROMAGNETISM	Dr. PROLAY KUMAR MAL	I	P 110
4	P741	INTEGRATED MSc SEMESTER I EXPERIMENTS PART I	Dr. A V ANIL KUMAR		
4	P742	INTEGRATED MSc SEMESTER I EXPERIMENTS PART II	Prof. SANJAY SWAIN Dr. NARAYAN RANA		
<b>Semester – III</b>					
4	P704	SPECIAL THEORY OF RELATIVITY	Prof. HIRANMAYA MISHRA	D	P 107
4	P745	INTEGRATED MSc PhD COMPUTATIONAL LAB	Dr. COLIN BENJAMIN		
4	P705	ATOMS, MOLECULES & RADIATION	Dr. PRASANJIT SAMAL	F	P 110
4	*	Elective 1			
4	*	Elective 2			
<b>Semester - V</b>					
20	P798	M.Sc. PROJECT	PGCS CONVENER		

\*Elective-I and II to be taken from the list of elective courses below

4	P751	ADVANCED SOLID STATE PHYSICS	DR KUSH SAHA	B	P 107
4	P753	QUANTUM FIELD THEORY-I	DR YOGESH KUMAR SRIVASTAVA	C	P 109
4	P762	INTRODUCTION TO QUANTUM OPTICS	DR ASHOK MOHAPATRA	C	LH1
4	P773	EXPERIMENTAL TECHNIQUES	PROF SUBHANKAR BEDANTA	A	LH 1
4	P774	INTRODUCTION TO COSMOLOGY	DR TUHIN GHOSH	D	P 127

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(परमाणु ऊर्जा विभाग, भारत सरकार का एक स्वयं शासित संस्थान)

**NATIONAL INSTITUTE OF SCIENCE EDUCATION AND RESEARCH BHUBANESWAR**  
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**School of Humanities and Social Sciences**

**Course Offered for odd Sem 23-24 (August 2023 – December 2023)**

CREDITS	CODE	SUBJECT	COURSE INSTRUCTOR	SLOT(S)	ROOM NO.
<b>SEMESTER – I</b>					
4	H109	TECHNICAL COMMUNICATION - I	Dr. JOE VARGHESE YELDOH		LH 5
4	H101	INTRODUCTION TO ECONOMICS	Dr. AMARENDRA DAS		LH 5
<b>SEMESTER – III</b>					
4	H225	INTRODUCTION TO PSYCHOLOGY	Dr. ROOPLEKHA KHUNTIA	K (Tuesday & Thursday)	LH 5
4	H235	SOCIOLOGY OF SCIENCE & TECHNOLOGY	Dr. PRANAY SWAIN	K (Monday & Wednesday)	LH 5
4	H238	LIFE & COMMUNICATION IN URBAN	Dr. DEBASHIS PATTANAIAK	A	M4
<b>Ph.D.</b>					
<b>Semester I</b>					
6	HS671	CLASSICAL SOCIOLOGICAL THEORY	Dr. PRANAY SWAIN	G	
6	HS675	SOCIOLOGY OF DEVELOPMENT	Dr. SHUKADEV NAIK	H	
6	HS634	BLACK INTELLECTUAL TRADITIONS AND THE NARRATIVES OF RACE IN AMERICA	Dr. JOE VARGHESE YELDOH	I	
6	HS698	RESEARCH PROJECT ASSIGNMENT	Dr. JOE VARGHESE YELDOH	J	
6	HS636	TRANSLATION AND CULTURE: ISSUES	Dr. AMARJEET NAYAK	K	
6	HS674	CONTEMPORARY SOCIAL THEORY	Dr. DEBASHIS PATTANAIAK	J	
<b>Semester II</b>					

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## School of Computer Sciences

Course Offered for odd Sem 23-24 (August 2023 – December 2023)

CREDITS	CODE	SUBJECT	COURSE INSTRUCTOR	SLOT(S)	ROOM NO.
<b>SEMESTER – I</b>					
3	CS141	PROGRAMMING AND DATA STRUCTURES I	DR.ABHISHEK SAHU AND DR.ANUP KUMAR BHATTACHARYA		LH5
<b>SEMESTER – III</b>					
8	CS201	THEORY OF COMPUTATION	DR.ARITRA BANIK	J	M 1
<b>SEMESTER – V</b>					
8	CS301	DESIGN AND ANALYSIS OF ALGORITHM	DR.ABHISHEK SAHU AND DR.ANUP KUMAR BHATTACHARYA	A	M2
<b>SEMESTER – VII</b>					
8	CS461	ADVANCED MACHINE LEARNING	DR.SUBHANKAR MISHRA	5.30PM TO 8.30PM (Mon &Wed)	M 5
8	CS452	ALGORITHMIC CODING THEORY	DR.MANOJ MISHRA	K	M 5

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## School of Earth and Planetary Sciences

**Course Offered for Odd Sem 23-24 (August 2023 – December 2023)**

CREDITS	CODE	SUBJECT	COURSE INSTRUCTOR	SLOT(S)	ROOM
Ph.D Courses					
<b>SEMESTER – I</b>					
6	EP601	EARTH SCIENCES	Dr. PRIYADARSHI CHOWDHURY	Mon 9.30-10.25 Tues 10.30-11.25 Wed 11.30 to 12.25 Thu 10.30-11.25	SEPS Class Room
6	EP602	ATMOSPHERIC AND OCEANIC SCIENCES	Dr. JAYA KHANNA	Mon 10.30-11.25 Tues 11.30-12.25 Wed 9.30-10.25 Thu 11.30-12.25	SEPS Class Room
6	EP603	PLANETARY SCIENCES	Dr. GUNESHWAR THANGJAM Dr. LITON MAJUMDAR	Mon 11.30-12.25 Tues 9.30-10.25 Wed 10.30-11.25 Thu 9.30-10.25	SEPS Class Room
6	EP641	PRACTICAL COURSE/FIELD WORK	Dr. SURYA SNATA ROUT	GHI	SEPS Lab
6	EP642	NUMERICAL METHODS AND DATA ANALYSIS	Dr. PATHIKRIT BHATTACHARYA Dr. JAYESH GOYAL	GHI	SEPS Lab

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## **MEDICAL AND RADIATION PHYSICS**

**Course Offered for Odd Sem 23-24 (August 2023 – December 2023)**

CREDITS	CODE	SUBJECT	COURSE INSTRUCTOR	SLOT(S)	ROOM NO.
<b>SEMESTER – I</b>					
8	R111	CLASSICAL MECHANICS	DR.RANBIR SINGH	A	CL-001
8	R112	STATITICAL MECHANICS ANDTHERMODYNAMICS	DR.VARCHASWI.K.S.KASHYAP	B	CL-001
8	R113	MATHEMATICAL PHYSICS	DR.RAVEENDRABABU KARNAM	C	CL-001
8	R114	ELECTRODYNAMICS	DR.SHUDDHA SHANKAR DASGUPTA	D	CL-001
6	R115	MODERN PHYSICS AND NUCLEAR PHYSICS LAB	MR.KIRTI PRAKASH SHARMA	G-I	CL-001
<b>SEMESTER-III</b>					
8	R211	RADIATION PHYSICS AND RADIATION GENERATORS	MR.LALATENDU MISHRA	A	CL-002
8	R212	RADIOLOGICAL MATHEMATICS	PROF. BEDANGADAS MOHANTY	B	CL-002
8	R213	RADIATION DOSIMETRY AND STANDARDIZATION	MR.RAKESH KUMAR BHATTA	C	CL-002
8	R214	RADIATION DETECTORS AND INSTRUMENTATION	PROF. BEDANGADAS MOHANTY	D	CL-002
6	R215	MEDICAL PHYSICS LAB-I	MR.LALATENDU MISHRA	G-I	CL-002

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