

**Department of Molecular Biology and Biotechnology, Class Routine for Autumn Semester (Aug-December, 2021)**

**CBCS courses to be offered by the Department**

Ph. D program	M.Sc. and undergraduate programs
BT 752: Introduction to analytical techniques (3-1-0) NDN*, KKH	BT 445: Biosafety and Bioethics (2-1-0) RD*, MM
	BT 100: Introductory Biology (2-1-0) AK*
Core courses	Ph. D program
BT 710: Research Methodology (2+1+1) MVS*, RM	BT 717: Evolutionary Genetics and Immunogenetics (3+1+0) SKR*, PSP, SB
BT 711: Review of Literature and Experimental techniques-(0-2-2) Concerned Supervisor*	BT 718: Structural Bioinformatics and Modelling (3-1-0)-ANJ*, AK
RP 799: Research and Publication Ethics course (2-0-0) -BKK*, Faculty from School	
M Sc I Semester	M Sc III Semester
BT 441: Biochemistry (3-0-0) RM*, SKR	BT 457: Genetic Engineering (3-0-0) BKK*, NDN
BT 443: Cell Biology (3-0-0) SDG*, AR	BT 459: Molecular Diagnostics (2-0-0) SB*, NDN
BT 478: Microbiology (3-0-0) MM*, SB	BT 461: Bioprocess Engineering and Technology (3-0-0) MM*, (GF)
BT 447: Molecular Genetics (3-0-0) SPG*, SKR	BT 469: Intellectual Property Rights, Biosafety and Bioethics (2-0-0) RD*, BKK
BT 449: Basics of Mathematics and Statistics (2-0-0) MVS*, PB	BT 471: Lab-V Genetic Engineering (0-0-3) NDN*, TA
BT 451: Basics of Chemistry and Physics (2-0-0) ANJ*	BT 473: Lab-VI Bioprocess Engineering and Technology (0-0-3) MM*, GF
BT 453: Lab-I Biochemistry and Analytical Techniques (0-0-3) RM*, TA	BT 475: Critical analysis of classical papers and scientific communication skills (1-1-0)- PB*, All faculty
BT 455: Lab-II Microbiology (0-0-2) MM*, TA	#Elective I: BT 463- Plant Biotechnology (3-0-0) SKR*
	#Elective II: BT 465- Animal Biotechnology (3-0-0) SDG*
	#Elective III: BT 467- Microbial Biotechnology (3-0-0) MM*
	#Elective IV: BT 477-Computational Biology (3-0-0) ANJ*, AK
	#Elective V: BT 479-Nanobiotechnology (3-0-0) JPS*
	#Elective VI: BT 499-Environmental Biotechnology (3-0-0) BKK*

**Integrated M.Sc. in Bioscience and Bioinformatics**

**Integrated M.Sc. in Life Science**

I Semester	III Semester
LI 101: Biology Major I (3-0-0) JPS*	LI 201: Plant Ecology and Taxonomy (3-0-0) JPS*, NDN
LI 103: Biology Major I Lab (0-0-3) JPS*, TA	LI 203: Comparative Anatomy and Vertebrates (3-0-0) RD*, MM, SDG
BI 105: Biology I (Non-Major) (2-1-0) SKR*	LI 205: Plant Anatomy and Embryology (3-0-0) NDN*, JPS (Anatomy)
BI 107: Biology I lab (Non-Major) (0-0-3) SKR*, TA	LI 207: Biology Major III Lab (Anatomy: Plant and animal) (0-0-3) RD*, TA
	LI 209: Introduction to Computing (3-0-0) MVS*
V Semester	VII Semester
LI 301: Plant Physiology (3-0-0) JPS*, NDN	BI 441: Biochemistry – II (2-1-0) SPG*, RM
LI 303: Animal Physiology (3-0-0) RD*, PSP	BI 443: Molecular Biology-II (2-1-0) AR*, RM
LI 305: Basic Bioinformatics (2-0-1) MVS*, PB	BI 445: Immunology II (2+0+0) SB*, SDG
LI 307: Molecular Biology (3-0-0) AK*, AR	BI 447: Biological Database Management System (2-0-1) PB*, MVS
LI 309: Biology Lab VI (Physiology) (0-0-3) RD*, TA	BI 449: Advance Programming II (2-0-1) AK*, PB
LI 311: Biology Lab VII (Molecular Biology) (0-0-3) AR*, TA	BI 451: Biology Lab VIII (Biochemistry) SPG*, TA
LI 313: Public Health and Hygiene (3-0-0) NDN*	BI 453: Biology Lab –IX (Immunology) SDG*, TA
Integrated M.Sc. in Bioscience and Bioinformatics (IX Semester)	
BI 521: Project I (0-0-16) - AK*, All faculty	BI 525-Seminar III (0-1-0) AK*, All faculty

**BKK:** Prof B K Konwar, **AKM:** Prof A K Mukherjee; **SB:** Prof S Baruah; **SKR:** Prof. S K Ray; **AR:** Prof. A Ramteke; **MM:** Prof. M Mandal; **RD:** Prof. R Doley; **EK:** Dr. E Kalita; **PSP:** Dr. SPG Ponnam; **ANJ:** Dr. A N Jha; **RM:** Dr. R Mukhopadhyay; **NDN:** Dr N D Namsa; **SDG:** Dr S Dasgupta; **MVS:** Dr M V Satish Kumar; **JPS:** Dr J P Saikia; **AK:** Dr Aditya Kumar; **PB:** Dr Pankaj Barah; **KKH:** Dr K Hazarika; **TA:** Teaching Assistant; **GF:** Guest faculty

**Class Routine for M. Sc. and Integrated M.Sc. Courses, Autumn Semester 2021**

DAY	SEM	9:10-10:10 AM	10.30-11.30 AM	11.30AM-12.30 PM	12.30-1.30 PM	1.30-2.30 PM	2.30-3.30 PM	3.30-4.30 PM	4.30-5.30 PM
MON	MSc I	BT 451	BT 449	BT 478		BT 441	BT 453/BT455		
	MSc III	BT 459	BT 461	BT 463/465/ 467/ 477 /479 /499		BT 457	BT 471/BT 473		
	Int MSc III	LI 209	CI 201			LI 201	LI 203	LI 207	
	Int MSc V	LI 301	LI 305	LI 313		LI 307	LI 309/LI 311		
	Int MSc VII	BI 443	BI 447	BI 441		BI 445	BI 451/Bi453		
	Int MSc I	PI 101	CI 101	LI 101/BI 101		BI 107 (Physics)/Physics lab for MBBT			ED105
Ph.D.		BT 718			BT 717				
TUE	MSc I	BT 443	BT 478	BT 447		BT 449	BT 441	BT 451	
	MSc III	BT 463/465/ 467/ 477 /479 /499		BT 459					
	Int MSc III	LI 203	PI 201			LI 201	LI 207		
	Int MSc V	LI 301		LI 307		LI 303			
	Int MSc VII	CBCS	BI 449	BI 441		BI 443	BI 451 / BI 453		
	Int MSc I	MI101	LI 101/BI 101	PI101 (T)		BI 107 (Physics)/ Physics lab for MBBT			ED105
	Ph. D.			BT 710		BT 718	BT 710 (P)		
CBCS (UG/PG/PhD)	BT 445/ BT 100	RP799			BT 717 (T)	BT 752	BT 752 (T)		
WED	MSc I	BT 441	BT 478	BT 443		BT 447			
	MSc III	BT 461		BT 463/465/ 467/ 477 /479 /499		BT 471/BT 473			
	Int MSc III	LI 205	PI 201	CI201		LI 203		LI 201	ED 202
	Int MSc V	LI 307		LI 301					
	Int MSc VII	CBCS	BI 449	BI 445		BI 447 (P)			
	Int MSc I	EG101	CI101	PI101		LI 103 (Biology)			
	Ph. D.		BT 718 (T)	BT 710		BT 717	BT 752		
CBCS (UG/PG/PhD)	BT 445/ BT100								
THU	MSc I		BT 443	BT 447		BT 453/BT455			
	MSc III	BT 457		BT 469			BT 461		
	Int MSc III	PI 201 (T)	CI 201 (T)			LI 209		LI 205	
	Int MSc V		LI 303	LI 313		LI 305 (P)			
	Int MSc VII	BI 441	BI 443	BI 447		BI 449 (P)			
	Int MSc I	MI101	LI 101/BI 101	EG101		LI 103 (Biology)			
Ph.D.		RP799	BT 718		BT 717				
FRI	MSc I	BT 453/BT455							
	MSc III	BT 457		BT 469			BT 475- Presentation		
	Int MSc III	LI 209		LI 205			LI 207		
	Int MSc V	LI 305	LI 303	LI 313		LI 309/LI 311			
	Int MSc VII	CBCS		BI 445					
	Int MSc IX					BI 525 (Seminar III)			
	Int MSc I	EG101	MI101	CI101		ED 101			
	Ph. D.			BT 710					
CBCS (UG/PG/PhD)	BT 445/ BT 100					BT 752			

