

**Department of Molecular Biology and Biotechnology, Class Routine for Autumn Semester (Aug-December, 2020)**

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

<b>Ph. D program</b>	<b>M.Sc. and undergraduate programs</b>
BT752 Introduction to analytical techniques – NDN*, RD	BT 445- Biosafety and Bioethics- RD*, NDN
	BI 109-Basics in Bioinformatics- MVS*, PB

**Ph. D program**

<b>Core courses</b>	<b>Elective courses</b>
BT 710- Research Methodology (2+1+1) MVS*, RD	BT 717- Evolutionary Genetics and Immunogenetics (3+1+0) SKR*, SB

**M.Sc. in MBBT**

<b>M Sc I Semester</b>	<b>M Sc III Semester</b>
BT 441- Biochemistry (3-0-0) AKM*, JPS	BT 457 – Genetic Engineering (3-0-0) RM*, BKK
BT 443- Cell Biology (3-0-0) EK*, AR, SDG	BT 459- Molecular Diagnostics (3-0-0) SB*, NDN
BT 445 – Microbiology (3-0-0) SB*, MM, NDN	BT 461- Bioprocess Engineering and Technology (3-0-0) MM*, FET, (GF)
BT 447 – Molecular Genetics (3-0-0) SPG*, SKR	BT 469 - Intellectual Property Rights, Biosafety and Bioethics (3-0-0) BKK*, RD, NDN
BT 449- Basics of Mathematics and Statistics (2-0-0) MVS*, PB	BT 471- Lab-V Genetic Engineering (0-0-3) NDN*,RM
BT 451- Basics of Chemistry and Physics (2-0-0) ANJ*, MVS	BT 473- Lab-VI Bioprocess Engineering and Technology (0-0-3) MM*, GF
BT 453- Lab-I Biochemistry and Analytical Techniques (0-0-3) AKM*, KKH	BT 475 – Project Proposal Presentation AK*, ANJ
BT 455- Lab-II Microbiology (0-0-2) MM*, SB, NKB	#Elective I: BT 463- Plant and Animal Biotechnology (3-0-0) EK*, SDG
	#Elective II: BT 467- Microbial Biotechnology (3-0-0) SKR*, MM

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

<b>V Semester</b>	<b>VII Semester</b>
BI 321- Molecular Biology (2-1-0) AR*, RM	BI 421- Structural Bioinformatics (2-1-0) ANJ*,AK
BI 337- Developmental Biology (2-1-0) SDG*, EK	BI 423-Cell and Tissue Culture (2-1-0) SPG*, JPS,
BI 339 -Bioprogramming and Biostatistics (2-1-0) AK*, PB	BI 425 Bioinformatics Software and Algorithms (2+0+0) PB*, MVS
BI 341: Immunology I (3-0-0) SB*, SDG	<b>Elective I:</b> BI 427: Animal Biotechnology (2-1-0) RM*, SDG, AR <b>Elective II:</b> BI 431 Plant Biotechnology (2-1-0) BKK*, JPS
BI 343- Computational Biology (3-0-0) ANJ*, AK	BI 435 Fermentation and Bioprocess Engineering (2-0-0) MM*, GF
BI 345: Biology Lab VI (Molecular Biology) SKR*, AR	BI 437 Lab on Cell &Tissue Culture (0-0-2) SPG*, JPS, NKB
BI 347: Biology Lab VII (Immunology) SB*, SDG	BI 439 Lab on Bioprocess Engineering (0-0-2) MM*, GF
	CBCS/Elective (3-0-0)

**Integrated M.Sc. in Bioscience and Bioinformatics (IX Semester)**

BI 521: Project I - NDN*, AK	BI 525-Seminar III (0-1-0) NDN*, AK
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**Integrated M.Sc. in Life Science**

<b>I Semester</b>	<b>III Semester</b>
LI 101- Biology Major I (3-0-0) JPS*, BKK,	LI 201: Plant Ecology and Taxonomy (3-0-0) - JPS* / NDN
LI 103 – Biology Major I Lab (0-0-3) JPS*, BKK	LI 203: Comparative Anatomy and Vertebrates (3-0-0) - RD*
LI 105-Biology I (2-1-0) SKR*, SB	LI 205: Plant Anatomy and Embryology (3-0-0) - EK* / JPS
LI 107- Biology I lab (0-0-3) SKR*, PM	LI 207: Biology Major III Lab (Anatomy: Plant and animal) (0-0-3) - RD* / EK
	LI 209: Introduction to Computing (3-0-0) - MVS*

**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; **SPG:** Dr. SPG Ponnamp; **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; **NKB:** Dr N K Bordoloi; **PM:** Mr. P Mudoi; **GF:** Guest faculty

**Class Routine for M. Sc. and Integrated M.Sc. Courses, Autumn Semester 2020**

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 441		BT 445		BT 451		BT 449	
	MSc III	BT 459		BT 463 / BT 467				BT 471/BT 473	
	Int MSc III		CI 201			LI 201		LI 203	
	Int MSc V	BI 321		BI 339				BI 345/BI 347	
	Int MSc VII	BI 423		BI 421		BI 427/ BI 431		BI 437/BI439	
	Int MSc I	PI 101	CI 101	LI 105/LI 101		LI 107 (Physics)/Physics lab for MBBT			ED105
Ph.D.					BT 717				
TUE	MSc I	BT 443		BT 447		BT 449		BT 451	
	MSc III	BT 463/ BT 467		BT 459					
	Int MSc III		PI 201				LI 207		
	Int MSc V	BI 321		BI 339					
	Int MSc VII	CBCS		BI 421		BI 423		BI 437/BI439	
	Int MSc I	MI101	LI 105/LI 101	PI101		LI 107 (Physics)/ Physics lab for MBBT			ED105
Ph. D.	CBCS/ BT 752		BT 710						
WED	MSc I	BT 441		BT 443					
	MSc III	BT 461				BT 471/BT 473			
	Int MSc III		PI 201	CI201		LI 203		LI 201	ED 202
	Int MSc V		BI 343			BI 343			
	Int MSc VII	CBCS		BI 427/ BI 431		BI 435			
	Int MSc I	EG101	CI101	PI101		LI 103 (Biology)			
Ph. D.	CBCS/ BT 752		BT 710						
THU	MSc I	BT 443		BT 447		BT 453/BT455			
	MSc III	BT 457		BT 469		BT 461			
	Int MSc III	PI 201	CI 201			LI 209		LI 205	
	Int MSc V	BI 337		BI 341		BI 325 (R 303)			
	Int MSc VII	BI 425		BI 435					
	Int MSc I	MI101		EG101		LI 103 (Biology)			
Ph.D.					BT 717				
FRI	MSc I	BT 453/BT455							
	MSc III	BT 457		BT 469		BT 475-Project proposal			
	Int MSc III	LI 209		LI 205		LI 207			
	Int MSc V	BI 337		BI 341		BI 345/BI 347			
	Int MSc VII	CBCS		BI 425					
	Int MSc I	EG101	MI101	CI101		ED 101			
Ph. D.	CBCS/ BT 752		BT 710		BT 717				