

SHRI MATA VAISHNO DEVI UNIVERSITY
School of Biotechnology (2024-25_ODD Sem)

TIME TABLE FOR B. Tech. (BIOTECHNOLOGY) Sem I for Odd Sem 2024-25 (As per NEP)

Day/Time	9-10	10-11	11-12	12-1	1.00 – 2 Lunch	2-3	3-4	4-5
MONDAY			Engineering Physics	Mathematics -I		Engineering Physics Lab		Basic Electronics
							AEC (E)	
TUESDAY	VAC1	Engineering Physics	VAC-II	VAC-II		Introduction to 'C' Programming Lab		Basic Electronics
WEDNESDAY	Engineering Physics		Introduction to 'C' Programming	Mathematics -I		SEC	SEC (P)	AEC (E)
THURSDAY	VAC1	Basic Electronics	Introduction to 'C' Programming	Mathematics -I		SEC	VAC-II	
FRIDAY	Basic Electronics Lab		Introductory Biology	Mathematics -I			Introductory Biology	Introduction to 'C' Programming

Course Code (Category)	Course Title	L-T-P	Credits	Faculty	Class Assigned
MTL BS101/ MTLBS103 (BSC-1)	Engineering Mathematics-I (For JEE Candidates) Mathematics for Biologists (For non-Math/Biology candidates)	3-1-0	4	Dr. Sandeep Bhowgal/ Mr. Kuljeet Singh	B-104/ COS 102 (Mon) C-302 (Wed, Thurs, Fri)
PHL BS101	Engineering Physics	3-0-0	3	Prof Ashok Sharma	B-104

(BSC-2)					
PHP BS101(BSC-2)	Engineering Physics Lab	0-0-2	1	Prof Ashok Sharma	
CSL ES101 (ESC-1)	Introduction to 'C' Programming	3-0-0	3	Dr. Pooja sharma	B-104
CSP ES101(ESC-1)	'C' Programming Lab	0-0-2	1	Dr. Pooja sharma	
ECL ES101(ESC-2)	Basic Electronics	3-0-0	3	Dr Vijay	B-104
ECP ES101(ESC-2)	Basic Electronics Lab	0-0-2	1	Dr Vijay	
.....(SEC-1)	To be chosen from the basket of courses	x-x-x	2		
.....(AEC-1/VAC1)	To be chosen from the basket of courses	x-x-x	2		
BTN DC101 (Foundation Course)	Introductory Biology (For JEE Candidates)	2-0-0	0	Dr Shafaq Rasool	COS 204
.....					
	Total Credits	x-x-x	20		

TIME TABLE FOR B. Sc. (BIOTECHNOLOGY) Sem I for Odd Sem 2024-25 (As per NEP)

Day/Time	9-10	10-11	11-12	12-1	1.00 – 2 Lunch	2-3	3-4	4-5
MONDAY	AEC	CB PS	MD (Human Rights)	Multidisciplinary course		<i>(For B.Tech)</i>	IB IB	
TUESDAY	VAC-I	CB PS	VAC-II	VAC-II			Cell Biology Lab(PS/PSS) (Mol LAB, COS) <i>Staff-Dr. Vishnu</i>	
WEDNESDAY	AEC (Class assigned for Chemistry)	IB IB	MD (Human Rights)	Multidisciplinary course		SEC	SEC (P)	

	(Elec+Civil)						
THURSDAY	VAC-I	IB IB	MD (Human Rights)	Multidisciplinary course		SEC	VAC-II
FRIDAY	CB PS	IB IB	(For B.Tech)	Multidisciplinary course			MD (Human Rights)

COURSE CODE	COURSE TITLE	L-T-P	Credit	FACULTY	Class Room Assigned
BTL MD101	Major (Cell Biology)	3-0-0	3	Dr. Preeti Sharma	COS-204
BTP MD101	Major (Cell Biology Lab)	0-0-2	1	Dr. Preeti Sharma & Dr. Parvez Slathia	
BTL MI101	Minor (Introduction to Biotechnology)	4-0-0	4	Dr.InduBhushan	COS-204
Multidisciplinary courses					
BTL MU101	Basics of Biology-BTE1116 (For other school only)	4-0-0	4	Dr. Sharda P	A-106a A-106b (Mon)
BTL MU103	Chemical Bonding & Transition Metals-	4-0-0	4	Dr. Anil Kumar	COS-204
Skill Enhancement Courses					
CSL SE101	Introduction to Computer Applications	2-0-0	2	
Ability Enhancement Courses					
				
LNL 1031 (get revised)	Professional Communication	2-0-0	2		
Value added courses-I					
BTL VA101	Health and Wellness	2-0-0	2	Dr.Rakesh (Management)/ Dr. Vinod (Biotech+Physics+Math)/ Dr.Parvez (Economics + Lang & Lit + Philosophy)	Dr Vinod COS-204 (Rest in Respective School)

Value added courses-II				
.....				
Sport & Fitness	2-0-0	2		
Total=			20	

TIME TABLE FOR B. Sc. (BIOTECHNOLOGY) Sem III for Odd Sem 2024-25 (As per NEP)

Day/Time	9-10	10-11	11-12	12-1	1.00 – 2 Lunch	2-3	3-4	4-5
MONDAY	AEC	Genetics <i>RC</i>	MP <i>RK</i>				Mammalian Physiology Lab (RK/VS) (Micro LAB, COS) <i>Staff - Dr. Vishnu</i>	
TUESDAY	Chemistry for Biologists Lab (AK)-Group1 (Chemistry LAB, COS) <i>Staff- Mr. V P Sigh & Mr. Abhay Gandotra</i>		CFB <i>AK</i>	MP <i>RK</i>				
	Class Room Engaged for VAC-Sem 1 (Parvez Sir)							
WEDNESDAY	AEC	Genetics <i>RC</i>		Multidisciplinary course		SEC	SEC (P)	
THURSDAY	Class Room Engaged for VAC-Sem 1	Genetics <i>RC</i>	CFB <i>AK</i>	Multidisciplinary course		SEC	Chemistry for Biologists Lab (AK)-Group2 (Chemistry LAB, COS) <i>Staff- Mr. V P Sigh & Mr. Abhay Gandotra</i>	

	(Parvez Sir)						
FRIDAY	AEC	Genetics <i>RC</i>	CFB <i>AK</i>	Multidisciplinary course		MP <i>RK</i>	

COURSE CODE	COURSE TITLE	L-T-P	Credit	FACULTY	Class Room Assigned
BTL MD201	Genetics (Major DSC3)	3-1-0	4	Dr. Ratna Chandra	COS102
BTL MD202	Mammalian Physiology (Major DSC4)	3-0-0	4	Dr.Rakesh Kumar	COS102
BTP MD202	Mammalian Physiology Lab	0-0-2		Dr.Rakesh Kumar & Dr Vinod	Micro Lab, COS
BTL MI201	Chemistry for Biologists (Minor DSE3)	3-0-0	3	Dr.Anil Kumar	COS102
BTP MI201	Chemistry for Biologists Lab	0-0-2	1	Dr.Anil Kumar	Chemsitry LAB, COS
Multidisciplinary courses					
BTL MU201	Food and Nutrition For other school (floated by SoBT)	3-0-0	3	Dr.Rakesh Kumar	COS102
PHLMU201	Elements of Thermodynamics				
MELMU201	Quality Management				
SELMU201	Programming using statistical Packages				
MTLMU201	Discrete Structures with Applications				
Skill Enhancement Courses (... =2)					
PCLSE201	The Art of Argumentation (SoPC) (9)	2-0-0	2	Dr Sumanta S Sharma	
EEP SE103	Electrical Workshop	1-0-2	2	Dr.Deepak Bayotra	
ECMSE201	MATLAB Programming				
CELSE201	Introduction to Hydropower				
Ability Enhancement Course (3-0-0=3)					
LNLAE203	Soft Skills through Literature II	2-1-0	3	Dr. Uday Pathania	

	Total=	20	
--	---------------	-----------	--

TIME TABLE FOR B. Sc. (BIOTECHNOLOGY) Sem V for Odd Sem 2024-25 (As per NEP)

Day/Time	9-10 No class room available	10-11	11-12	12-1	1.00 – 2 Lunch	2-3	3-4	4-5
MONDAY		<i>RDT SR</i>	AAB VS	Class for BOB (Multi-Dr SP)		Bioprocess Technology Lab (AKY/RS) Biotech Lab, COS Mr. Pankaj		Nanotechnology (AKY) (COS-204)
TUESDAY		<i>RDT SR</i>	BPT AKY			Recombinant DNA Technology Lab (SR/RK) (Mol Bio LAB, BlockA) <i>Staff- Dr. Zahid</i>		
WEDNESDAY		Nanotechnology (RS)	BPT AKY	AAB VS		SEC	SEC (practical)	
THURSDAY		Nanotechnology (RS)	AAB VS	<i>RDT SR</i>		SEC		
FRIDAY		Nanotechnology (AKY)	BPT AKY	AAB VS			IAPC (Internship/ Apprenticeship) SR	

COURSES FOR B. Sc. (BIOTECHNOLOGY) Sem V for Odd Sem 2024-25 (As per NEP)

Course Code	Course Title	L-T-P	Credits	Faculty	Class Assigned
BTL 3546 (Major)	Bioprocess Technology	3-0-0	3	Er.Arvind Kr Yadav	A-106b

BTP 3546 (Major)	Bioprocess Technology-Lab	0-0-2	1	Er.Arvind Kr Yadav & Dr. Raju S	Biotech Lab, COS
BTL 3612 (Major)	Analytical Approaches in Biotechnology	4-0-0	4	Dr. Vinod Singh	A-106b
BTL 3547(Major)	Recombinant DNA Technology	3-0-0	3	Dr.Shafaq Rasool	A-106b
BTP 3547 (Major)	Recombinant DNA Technology-Lab	0-0-2	1	Dr.Shafaq Rasool & Dr. Rakesh	Mol Lab, Block A
BTE 3548 (Minor/DSE)	Nanotechnology	4-0-0	4	Dr. Raju Shankarayan & Er.Arvind KY	A-106b/COS-204
SEC- 4	One to be chosen from the pool of courses	x-x-x	2
BTI 3120	IAPC (Internship/Apprenticeship)	0-2-0	2	Dr Shafaq Rasool	BIF Lab, Block A
		14-0-6	20		

TIME TABLE FOR M. Sc. (BIOTECHNOLOGY) Sem I for Odd Sem 2024-25

Day/Time	9-10	10-11	11-12	12-1	1.00 – 2.30 Lunch	2-3	3-4	4-5
MONDAY	AAB <i>VS</i>	Biostat <i>RS</i>	Entrepreneurship Management /BCIT	CMB <i>RC</i>			FM <i>SR</i>	FB <i>IB</i>
TUESDAY	Biostat <i>RS</i>	FB <i>IB</i>	BCIT	Entrepreneurship Management		AAB <i>VS</i>	CMB <i>RC</i>	
WEDNESDAY	FB <i>IB</i>	FM <i>SR</i>	CMB <i>RC</i>	(For B.Sc-Sem-1-M D course)		FM LAB (SR/RS) (Mol LAB, Block A) Staff- Dr. Zahid		
THURSDAY	FM <i>SR</i>	Entrepreneurship Management /BCIT	CMB <i>RC</i>	For B.Sc-Sem-1-M D course)				
FRIDAY	FB	FM	AAB	For		FB LAB (IB/AKY)		

	<i>IB</i>	<i>SR</i>	<i>VS</i>	<i>B.Sc-Sem-1-M D course)</i>		(Micro LAB, Block A) <i>Staff- Dr. Puneet</i>
--	-----------	-----------	-----------	-----------------------------------	--	--------------------------------------------------

COURSE CODE	COURSE TITLE	L-T-P	Credit	FACULTY	Class Assigned
BTL6021	Cell & Molecular Biology-I	3-1-0	4	Dr. Ratna Chandra	A-106a
BTL6043	Fundamentals of Biochemistry	3-1-0	4	Dr. InduBhusan	A-106a
BTP6046	Fundamentals of Biochemistry Lab	0-0-3	1.5	Dr. InduBhusan + Er. AKY	Micro LAB, Block A
BTL6072	Fundamentals of Microbiology	3-1-0	4	Dr. Shafaq Rasool	A-106a
BTP6075	Fundamentals of Microbiology Lab	0-0-3	1.5	Dr. Shafaq Rasool +Dr. Raju S	Mol LAB, Block A
BTL6161	Biostatistics	2-0-0	2	Dr. Raju Shankarayan	A-106a
BTL6173	Analytical Approaches in Biotechnology	3-0-0	3	Dr. Vinod Singh	A-106a
CSL6011	Basics of Computers and IT (Open Elective)	3-0-0	3	Dr Manoj Verma	A-BIF Lab
BUE6011	Entrepreneurship Management (Open Elective)	3-0-0	3	Dr. S Shazia Bukhari	A-106a
Total		17-3-6	23		

TIME TABLE FOR M. Sc. (BIOTECHNOLOGY) Sem III for Odd Sem 2024-25

Day/Time	9 - 10	10-11	11-12	12 - 1.00	1.00 – 2.00 Lunch	2.00 - 3.00	3.00 - 4.00	4.00 - 5.00
MONDAY	DDP <i>RS</i>	CBB (PSS/RS) (BIF LAB, Block A) <i>Staff-Mrs. Minakshi</i>					AEC <i>PS</i>	DUHV <i>MMC</i>
TUESDAY	PIPRB <i>SP</i>	Colloquium (RC/SP) BIF Lab, Block A				BET <i>AKY</i>	CBB(PSS)	DUHV <i>MMC</i>

WEDNESDAY	BET AKY	Applied Enzyme Catalysis Lab (PS/SP) Mol Lab COS; <i>Staff- Mrs. Minakshi</i>		CBB(PSS)	AEC PS	DUHV MMC
THURSDAY	DDP RS	Bioprocess Engineering & Technology Lab (AKY/IB) (Micro LAB, Block A) <i>Staff - Dr. Punit</i>		BET AKY	DDP RS	PIPRB SP
FRIDAY	BET AKY	<i>No Class Room available</i>		PIPRB SP	AEC PS	CBB (PSS)

COURSES FOR M. Sc. (BIOTECHNOLOGY) Sem III for Odd Sem 2024-25

COURSE CODE	COURSE TITLE	L-T-P	Credit	FACULTY	Class Assigned
BTL6272	Applied Enzyme Catalysis	3-0-0	3	Dr. Preeti Sharma	A-106b
BTP6275	Applied Enzyme Catalysis Lab	0-0-3	1.5	Dr. Preeti Sharma/Dr.Sharda	Mol Lab COS
BTL7222	Computational Biology & Bioinformatics	3-0-0	3	Dr. Parvez S Slathia	A-106b
BTP7225	Computational Biology & Bioinformatics Lab	0-0-3	1.5	Dr. Parvez S Slathia/ Dr Raju S	BIF LAB, Block A
BTL7234	Bioprocess Engineering & Technology	3-1-0	4	Er. A K Yadav	A-106b
BTP7237	Bioprocess Engineering & Technology Lab	0-0-3	1.5	Er. A K Yadav (+Dr. InduBhushan)	Micro LAB, Block A
BTC7211	Colloquium	---	1.5	Dr.Ratna C/Dr. Sharada P	Seminar Room
PCL7067	Discourse on Universal Human Values: Understanding Harmony and Ethical Conduct (UHV-II)	3-0-0	3	Dr.Madhumangal Chaturvedi	A-106b

BTE7402	Drug delivery and Pharmacokinetics			Dr. Raju Shankarayan	A-106b
BTE7413	Principles of Intellectual Property Rights & Biosafety			Dr. Sharada P	A-106b
	Total	18-4-9	25		

TIME TABLE of Pre-Ph.D. Courses (Biotechnology)

Day/Time	9 - 10	10 - 11	11 - 12	12 - 1	1 - 2	2 - 3	3 - 4	4 - 5
MONDAY	SE-1				LUNC H	RMB <i>SP/RS</i>		
TUESDAY	SE-2						RMB <i>SP/RS</i>	
WEDNESDAY			RPE <i>MC</i>				RMB <i>SP/RS</i>	
THURSDAY	SE-1	RPE <i>MC</i>						SE-2
FRIDAY	RPE <i>MC</i>		SE-1			SE-2		RMB <i>SP/RS</i>

Ph.D. in Biotechnology _Courses

COURSE CODE	COURSE TITLE	Course Title Abbreviation	L-T-P	Credit	FACULTY	Class Room
BTL8013	Research Methodology in Biotechnology	RMB	4-0-0	4	Dr. Sharda P. & Dr. Raju Shankarayan	COS-204
PCL9136	Research and Publication Ethics	RPE	2-0-0	2	Dr. Madhumangal Chaturvedi
BTE.....	School elective-1		3-0-0	3	COS-204
BTE.....	School elective-2		3-0-0	3	COS-204
			Total =	12		