

M.Sc. BIOTECHNOLOGY 2013-14

Semester-II		Take home credits for students				Examination Scheme			Credit Scheme				
Sr. No.	Course Code	Subject	Periods (in Hours/week)			Theoretical Evaluation			Practical Examination	Credit Scheme			
			Lecture	Tutorial	Practicals	Theory	Internal assessment	Total	Total	Lecture	Tutorial	Practicals	Total
1	BT-211	Immunology	4	0	4	80	20	100	0	4	0	2	6
2	BT-212	Bioinformatics	4	0	4	80	20	100	0	4	0	2	6
3	BT-213	Molecular Plant Physiology and Developmental biology	4	0	4	80	20	100	0	4	0	2	6
4	BT-214	Molecular Human Physiology and Developmental Biology	4	0	4	80	20	100	0	4	0	2	6
5	BT-215	Choice Based Paper*	4	0	4	80	20	100	0	4	0	2	6
6	BT-216	Seminar	0	0	4	0	50	50	0	0	0	2	2
7	BT-217	Self Study paper	0	0	4**	0	0	0	0	0	0	1	1
8	BT-218	Lab course-I(BT 211, 212, 214)							50				
9	BT-219	Lab course-II (BT 213, 215)							50				
								550	100				
Total									650				
*Choice Based Paper: Plant Cell Culture/Animal Cell Culture and Vaccinology / Microbial Technology													

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Semester-III			Take home credits for students			Examination Scheme			Credit Scheme				
Sr. No.	Course Code	Subject	Periods (in Hours/week)			Theoretical Evaluation			Practical Examination				
			Lecture	Tutorial	Practicals	Theory	Internal assessment	Total	Total	Lecture	Tutorial	Practicals	Total
1	BT-311	Bioprocess engineering	4	0	4	80	20	100	0	4	0	2	6
2	BT-312	Plant Biotechnology	4	0	4	80	20	100	0	4	0	2	6
3	BT-313	Animal Biotechnology	4	0	4	80	20	100	0	4	0	2	6
4	BT-314	Genetic Engineering	4	0	4	80	20	100	0	4	0	2	6
5	BT-315	Choice based paper*	4	0	4	80	20	100	0	4	0	2	6
6	BT-316	Seminar	0	0	4	0	50	50	0	0	0	2	2
7	BT-317	Self Study paper	0	0	4**	0	0	0	0	0	0	1	1
8	BT-318	Lab course-1 (BT 311, 312, 315)							50				
9	BT-319	Lab course-II (BT 313, 314)							50				
								550	100				
Total									650				
*Choice Based Paper: Environmental Biotechnology/Plant stress biology/Diagnostics													

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Semester-IV		Take home credits for students			Examination Scheme								
Sr. No.	Course Code	Subject	Periods (in Hours/week)			Theoretical Evaluation			Practical Examination	Credit Scheme			
			Lecture	Tutorial	Practical	Theory	Internal assessment	Total		Total	Lecture	Tutorial	Practical
1	BT-411	Virology	4	0	0	80	20	100	0	4	0	0	4
2	BT-412	Choice based paper I*	4	0	0	80	20	100	0	4	0	0	4
3	BT-413	Choice Based Paper -II*	4	0	0	80	20	100	0	4	0	0	4
4	BT-414	Dissertation	0	0	30	0	0	0	200 (Dissertation (150) +viva voce, presentation(50))	0	0	18	18
Total								300	200				26
									500				
*Choice Based Paper-I: IPR, Biosafety, Ethical, Legal, Social issues in Biotechnology/ IPR and Biotechnology * Choice based Paper II: Nanobiotechnology/ System biology													

M.Sc. AGRICULTURAL BIOTECHNOLOGY 2013-14

Semester-II			Take home credits for students			Examination Scheme			Credit Scheme				
Sr. No	Course Code	Subject	Periods (in Hours/week)			Theoretical Evaluation			Practical Examination	Credit Scheme			
			Lecture	Tutorial	Practicals	Theory	Internal assessment	Total	Total	Lecture	Tutorial	Practicals	Total
1	ABT-211	Genetic Engineering	4	0	4	80	20	100	0	4	0	2	6
2	ABT-212	Bioinformatics	4	0	4	80	20	100	0	4	0	2	6
3	ABT-213	Molecular Breeding	4	0	4	80	20	100	0	4	0	2	6
4	ABT-214	Plant Molecular Biology	4	0	4	80	20	100	0	4	0	2	6
5	ABT-215	Choice Based Paper*	4	0	4	80	20	100	0	4	0	2	6
6	ABT-216	Seminars	0	0	4	0	50	50	0	0	0	2	2
7	ABT-217	Self Study Paper	0	0	4**	0	0	0	0	0	0	1	1
8	ABT-218	Labcourse-1 (ABT, 211, 212,214)							50				
9	ABT-219	Lab course-II (ABT 213,215)							50				
								550	100				
Total									650				
*Choice Based Paper: Plant Tissue Culture/Animal Tissue Culture & Vaccinology /Microbial Technology													

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Semester-IV			Take home credits for students			Examination Scheme			Credit Scheme				
Sr. No.	Course Code	Subject	Periods (in Hours/week)			Theoretical Evaluation			Practical Examination	Credit Scheme			
			Lecture	Tutorial	Practicals	Theory	Internal assessment	Total		Total	Lecture	Tutorial	Practicals
1	ABT-411	Animal Biotech & Immunology	4	0	0	80	20	100	0	4	0	0	4
2	ABT-412	Choice Based Paper-I*	4	0	0	80	20	100	0	4	0	0	4
3	ABT-413	Choice Based Paper-II*	4	0	0	80	20	100	0	4	0	0	4
4	ABT-414	Dissertation			36				200 (Dissertation 150+50 Viva & presentation)			12	12
Total								300	200				30
									500				
*Choice Based Paper-I: IPR, Ethical, Legal, Social issues in Biotechnology / Bioentrepreneurship													
*Choice Based Paper-II: Nano-biotechnology /System biology													