

## Courses for M.Sc. (Agri.) Molecular Biology and Biotechnology

1 <sup>st</sup> Semester	2 <sup>nd</sup> Semester
MBB-501 (3+0) Principles of biotechnology	MBB-503* (3+0) Molecular cell biology
MBB-502* (3+0) Fundamentals of molecular biology	MBB-505* (2+1) Omics and system biology
MBB-504* (0+3) Techniques in molecular biology-I	MBB-507 (0+3) Techniques in molecular biology-II
MBB-506 (3+0) Plant genetic engineering	MBB-511(2+1) Molecular plant breeding
MBB-508 (2+1) Introduction to bioinformatics	MBB-512 (2+0) IPR, biosafety and bioethics
MBB-509 (2+1) Plant tissue culture	MBB-513(3+0) Immunology and molecular diagnostics
MBB-510 (2+1) Microbial and industrial biotechnology	MBB-514 (2+1) Nanobiotechnology
MBB-515 (3+0) Environmental biotechnology	MBB-591(0+1) Seminar
MBB-591 (0+1) Seminar	MBB-599 (0+30) Research
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\*Compulsory for M.Sc. programme

## Courses for Ph. D. Molecular Biology and Biotechnology

1 <sup>st</sup> Semester	2 <sup>nd</sup> Semester
MBB-601* (3+0) Plant molecular biology	MBB-603(3+0) Plant omics and molecular breeding
MBB-602* (3+0) Plant genome engineering	MBB-604 (2+0) Commercial plant tissue culture
MBB-691 (0+1) Seminar-I	MBB-605 (2+0) Plant microbe interaction
MBB-692 (0+1) Seminar-II	MBB-606 (1+0) RNA biology
MBB-699 (0+75) Research	MBB-607(2+0) Plant hormones and signaling
	MBB-608 (2+1) Computational and statistical tools in biotechnology
	MBB-691(0+1) Seminar-I
	MBB-692 (0+1) Seminar-II
	MBB-699 (0+75) Research

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