

M.Sc. in Molecular and Applied Microbiology

Code	Title	Credits	Option
First Semester			
PP 5101	General Microbiology	2	Compulsory
PP 5108	Methods in Microbiology and Microbial Technology	3	Compulsory
PP 5109	Molecular Microbiology	2	Compulsory
PP 5110	Microbial Genomics	2	Compulsory
PP 5197	Practicum in Molecular and Applied Microbiology	2	Compulsory
PP 5199	Seminar	1	Compulsory
PP 5155	Immunology	2	Elective
AE 5107	Water Quality for Agriculture and Environment	3	Elective
AE 5152	Environmental Impact Assessment	2	Elective
AE 5156	Environment and Industry	3	Elective
AE 5157	Solid Waste Management	2	Elective
AS 5109	Dairy Chemistry	2	Elective
FT 5105	Food Microbiology	2	Elective
FT 5111	Food Safety	2	Elective
SS 5106	Environmental Pollution and Control	2	Elective
SS 5109	Microbial Ecology	3	Elective
Second Semester			
PP 5211	Microorganisms with Medical Importance	2	Compulsory
PP 5212	Aquatic Microbiology and Water Quality	2	Compulsory
PP 5213	Industrial Microbiology and Biotechnology	2	Compulsory
PP 5214	Molecular Plant Microbial Interactions	2	Compulsory
PP 5208	Molecular Diagnostics for Plant Protection	2	Elective
PP 5252	Molecular Virology	2	Elective
PP 5256	Techniques and Strategies in Plant Molecular Biology	3	Elective
AB 5252	Bioinformatics	2	Elective
AE 5213	Bioreactor and Bio-Environment Design and Control Systems	2	Elective
AS 5207	Dairy Engineering	2	Elective
AS 5217	Microbiology of Dairy, Meat, Fish and Egg Products	3	Elective
SS 5113	Environmental Microbiology	2	Elective