Integral University, Lucknow

Department of BIOSCIENCES

Study and Evaluation Scheme

Program: M.Sc. Microbiology

Semester III

S. N.	Course code	Course Title	Type of Paper	Period Per hr/week/sem			Evaluation Scheme				Max. Marks	Credit	Total Credits	Attributes							United Nations Sustainable Development Goals (SDGs)
				L	T	P	CT	TA	Total	ESE				Employability	Entrepreneurship	Skill Development	Gender Equality	Environment & Sustainability	Human Value	Professional Ethics	
THEORIES																					
1	BS541	Medical Microbiology	Core	3	1	0	40	20	60	40	100	3:1:0	4	√		√					3, 4, 11
2	BS542	Fundamentals of Infection and Immunity	Core	3	1	0	40	20	60	40	100	3:1:0	4	√		√		√			3, 4, 6, 8, 11
3	BS543	Recombinant DNA Technology	Core	3	1	0	40	20	60	40	100	3:1:0	4	√	√	√					3, 4
4	BS544	Virology & Biosafety	Core	3	1	0	40	20	60	40	100	3:1:0	4	√		√				√	3, 4, 6, 11
5	BS545	Food & Dairy Microbiology	Core	3	1	0	40	20	60	40	100	3:1:0	4	√	√	√					2, 3, 4
PRACTICAL																					
6.	BS546	RDT and Immunology Lab	Practical	0	0	12	40	20	60	40	100	0:0:6	6	√	√	√					3, 4
			Total	**15**	**05**	**12**	**240**	**120**	**360**	**240**	**600**	**26**	**26**								

Semester IV

S. No.	Course code	Course Title	Type of Paper	Period Per hr/week/sem			Evaluation Scheme				Max. Marks	Credit	Total Credits	Attributes							United Nations Sustainable Development Goals (SDGs)
				L	T	P	CT	TA	Total	ESE				Employability	Entrepreneurship	Skill Development	Gender Equality	Environment & Sustainability	Human Value	Professional Ethics	
THEORIES																					
1	Elective courses (Any one of the following)		Elective	3	1	0	40	20	60	40	100	3:1:0	4								
	BS551	Environmental Microbiology												√	√	√		√			
	BS552	Commercial & Applied Microbiology												√	√	√					
	BS553	Pharmaceutical Biotechnology												√	√	√					
PRACTICAL																					
2	BS514	Seminar	Core							100	100	2	2								
3	BS515	Project Work*	Practical	4 months training						400	400	8	8	√		√				√	
			Total								**600**	**14**	**14**								

* The Evaluation scheme for the Project Work:

	Course Code	Dissertation	Presentation	Viva/Discussion	Total
Project Work	BS-515	200	100	100	400