

Ph.D. Semester-I

List of Courses to be offered for the Monsoon Semester-2020 (AY2020-21)

Compulsory course

Course No.	Course Title	Credits	Teaching Faculty
			*Course Coordinator
LS 637	Research Methodology - Theory	2	A.S. Kharat*, A.K. Mondal, K. Natarajan, S.N. Panwar, S.S. Komath, S.K. Jha, P.C. Rath, B.N. Mallick, S. Gourinath, S. Saran, A. Bansal, A. Nandi, D. Sharma, A. Pareek, K. Kar, N Ramchiary

**Any Three Courses to be opted as
At least ONE course being compulsory from your assigned group and
any TWO other courses**

Group	Course No.	Course Title	Credits	Faculty
I	LS 646	Plant Pathogen Interaction	2	A Nandi*, S Chakraborty & PK Verma
I	LS XXX	Crop Genomics	2	N Ramchiary*, A K Sarkar & PK Verma
II	LS 640	Current Concepts in Immunology	2	N Puri
II	LS 641	General and Applied Microbiology	2	AK Johri*, AS Kharat & A Bansal
II	LS 643	Topics in Radiation and Cancer Biology	2	RP Singh*, N Mondal & AB Tiku
III	LS 638	Eukaryotic Gene Expression-II	2	K Natarajan* & R Muthuswami
III	LS 644	Cell Signalling	2	PC Rath* & S Saran
III	LS 665	Advanced Animal Developmental Biology	2	S. Saran
IV	LS 642	Topics in Neuroscience	2	SK Jha* & B N Mallick
IV	LS 648	Cellular and Molecular Neurobiology	2	AC Mondal*, SK Jha & B N Mallick
V	LS 639	Molecular Biophysics	2	AK Saxena* & S Gourinath
V	LS XXX	Biomacromolecules and Bioengineering	2	K Kar* & V Yadav