

School of Biology
Course list-Vasanth 2024

Sl. No.	Course Code and Name	Instructor
First Year Courses		
1	BIO121 Principles of Life II: Cell and Molecular Biology	Dr. Poonam Thakur Dr Nishana M Dr. Amrutha Swaminathan
2	BIO122 Biology Lab II	Dr. Poonam Thakur Dr Swathi Devireddy Dr Karthik Chandiran
Second Year Course		
3	BIO221 Introduction to Cell Biology and Microbiology	Dr. Stalin Raj
Third Year BS-MS, MSc, IPh.D. /Ph.D. Courses		
5	BIO/MSB321/621 Structural Biology (Minor)	Dr. Ramanathan Natesh Prof. MRN Murthy (20%)
6	BIO/MSB322/3203/622 Immunology (Elective for i2C students)	Prof. S. Murty Srinivasula
7	BIO/MSB323/623 Cell Biology	Prof. Tapas K Manna
8	BIO/MSB324/624 Molecular Biology	Dr. N Sadananda Singh
9	BIO/MSB325 Advanced Biology Lab II	Dr. Ramanathan Natesh Dr.Amrutha Swaminathan Dr. Kamalakannan V
10	BIO326/626/3202/MSB421 Bioinformatics (Minor) (3 credits for 3 rd yr BS-MS and 1 st yr IPHD, elective for i2C students, 2 credits for 2 nd yr MSc)	Dr. Sabari Shankar Thirupathy
11	BIO3201/6218 Genome Stability	Prof. Nishant K_T
Fourth/Fifth Year BS-MS, MSc, IPh.D. and Ph.D. Courses		
12	BIO4201/6201 Advanced Developmental Biology	Dr. Jishy Varghese
13	BIO4205/6205 Host-pathogen Interactions	Dr. Sandhya Ganesan
14	BIO4207/6207 Ecological interactions	Prof. Hema Somanathan Dr. Ullasa Kodandaramaiah
15	BIO4208/6208/AOE4201 Stem Cells and Regenerative Medicine (Open elective)	Dr. Satish Khurana

16	BIO620 Research Methodology (Ph.D. only, zero credit)	Dr. Nishana M Dr. Amrutha Swaminathan
17	BIO4209/6209 Advances in Plant Biology	Dr. Ravi Maruthachalam Dr. Anirban Guha (20%)
18	BIO4203/6203 Chronobiology	Dr. Nisha Kannan
19	I2B421 Systems Biology Applications (2 credit)	Dr. Sanu Shameer
20	I2B422/BIO4222 Bioimaging and processing (2 credit)	Dr. Sanu Shameer Dr. Vijay Jayaraman (25%) Dr. Kamalakannan V Dr. Himanshu Shekhar (25%)
21	I2C422 Biomaterials	Dr. Rajendra Kurapatti (SoC)
22	I2B521 Systems Biology and Imaging Lab (2 credit)	Dr. Sanu Shameer Dr. Vijay Jayaraman (25%)
23	I2C521 Pharmacology and Pharmacokinetics (3 credit)	Coordinator: Dr. Alagiri Kaliyamoorthy (SoC)
24	BIO4117/6117 Laboratory Animal Science	Dr. Anilkumar