

**School of Biology**  
**Tentative course list-Vasanth 2023**

Sl. No.	Course Code/Title	Faculty Assigned
<b>First Year Courses</b>		
1	BIO121 Biomolecules	Dr. Ravi Maruthachalam/ Dr. Nisha N Kannan
2	BIO122 Biology Lab II	Dr. Nisha Kannan/Dr. Poonam Thakur /Dr. Ravi Maruthachalam
<b>Second Year Courses</b>		
3	BIO221 Introduction to Cell Biology and Microbiology	Dr. Stalin Raj
4	BIO212 Biology Lab III	Dr. Sandhya Ganesan/ Dr. Poonam Thakur / Dr. Anirban
<b>Third Year BS-MS, MSc, IPh.D. /Ph.D. Courses</b>		
5	BIO/MSB321/621 Structural Biology (Minor)	Dr. Ramanathan Natesh / Prof. MRN Murthy
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. Nishana M/ Dr. Kamalakannan V/ Dr. Swathi
10	BIO326/3202/626/MSB421 Bioinformatics (Minor) (3 credits for 3 <sup>rd</sup> yr BS-MS and 1 <sup>st</sup> yr IPHD, elective for i2C students, 2 credits for 2 <sup>nd</sup> yr MSc)	Dr. Sabari Shankar Thirupathy
11	BIO3201/6218 Genome Stability	Dr. Nishant KT
<b>Fourth/Fifth Year BS-MS, MSc, IPh.D. and Ph.D.</b>		
12	BIO4201/6201 Advanced Developmental Biology	Dr. Jishy Varghese
13	BIO4205/6205 Host-pathogen Interactions	Dr. Sandhya Ganesan / Dr. Kamalakannan Vijayan
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)	Dr Nishana Mayiladumveetil

17	BIO 4220/6220 Bacterial Communication and Parthogenesis (2 credits)	Prof. Dipshikha
18	BIO 4219/6219 Biological Image Processing Using Python (2 credits)	Prof Ajith Joglekar