

1st Year				
Code	Course Name	Instructor	LTPC	Info
BIO 111	Principles of Life I: Biomolecules, Genetics and Evolution	Prof. Ullasa Kodandaramaiah Dr. Ravi Maruthachalam Dr. Nisha N Kannan	2103	Core = 1st yr
BIO 112	Biology Lab I	Dr. Yashraj Chavhan Dr. Nitin Kamble Dr. Manish Kumar	0031	Core = 1st yr

2nd Year					
Code	Course Name	Instructor	LTPC	Info	
BIO 211	Principles of Life III: Organismal Biology	Prof. Hema Somanathan Dr. Yashraj Chavhan Dr. Nitin Kamble	3104	Core = 2nd yr	
BIO 212	Principles of Life IV: Microbiology	Dr. V. Stalin Raj	3003	Core = 2nd yr	

3rd Year					
Code	Course Name	Instructor	LTPC	Info	
BIO 321 BIO 3005 MSB 401 BIO 621	Structural Biology	Dr. Ramanathan Natesh	3003 3014	Core = BS-MS/i2 3rd yr & MSc/PhD 1st yr; GE/Minor (3rd yr); PhD.	
BIO 322 MSB 402 BIO 622	Immunology	Prof. S. Murty Srinivasula	3003	Core = BS-MS/i2 3rd yr & MSc/PhD 1st yr; PhD.	
BIO 323 MSB 403 BIO 623	Cell Biology	Prof. Tapas K Manna	3003	Core = BS-MS/i2 3rd yr & MSc/PhD 1st yr; PhD.	
BIO 327 MSB 404 BIO 627	Ecology & Evolution	Prof. Hema Somanathan Prof. Ullasa Kodandaramaiah Dr. Yashraj Chavhan	3003	Core = BS-MS/i2 3rd yr & MSc/PhD 1st yr; PhD.	
MSB 406	Biosafety & Regulations	Dr. Ravi Maruthachalam	1001	Core = MSc/PhD 1st yr DSE = BS-MS/i2 b'21	
BIO 325 MSB 405	Advanced Biology Lab*	Dr. Ramanathan Natesh Dr. Manish Kumar Dr. Sabari Sankar Thirupathy	0093	Core = BS-MS/i2 3rd yr & MSc/PhD 1st yr; *ABL & Computer Lab Required for 13x3 hrs (Aug	
BIO 3011 BIO 6011	Genome Stability	Prof. Nishant K.T	3003	DSE = BS-MS/i2 3rd/4th yr & MSc/PhD 1st/2nd; PhD.	
BIO 3013 BIO 6013	Chromatin Biology	Dr. Nishana Mayilaadumveetil	3003	DSE = BS-MS/i2 3rd yr, i2 5th year & MSc/PhD 1st yr; PhD.	
BIO 4006 BIO 6006	Drug Discovery & Development	Dr. Kamalakannan Vijayan	3003	DSE = BS-MS/i2 3rd yr, i2 5th year & MSc/PhD 1st yr & PhD; GE/Minor (3rd yr)	
BIO 4126 BIO 6126	Scientific Presentation for Life Sciences	Dr. Sabari Sankar Thirupathy	1001	SEC = MSc/PhD 1st yr; DSE = BS-MS/i2 5th yr; PhD	
MSB 412/BIO416	Biostatistics	Dr. Sandhya Ganesan Dr. Sanu Shameer	2002/3003	Core = MSc 2nd yr and 3rd year i2BIO	

4th Year					5th Year				
Code	Course Name	Instructor	LTPC	Info	Code	Course Name	Instructor	LTPC	Info
BIO 411 MSB 411 BIO 611	Developmental Biology	Dr. Jishy Varghese	3003	Core = BS-MS/i2 4th yr & MSc/IPhD 2nd yr; PhD.	BIO 4111 BIO 6111	Biosafety & Regulations	Dr. Ravi Maruthachalam	1001	DSE = BS-MS/i2 5th yr; PhD
BIO 413 BIO 613 BIO 4123	Neurobiology	Dr. Poonam Thakur	3003	Core = BS-MS 4th yr; DSE = i2 4th yr & MSc/IPhD 2nd yr; PhD	BIO 4126 BIO 6126	Scientific Presentation for Life Sciences	Dr. Sabari Sankar Thirupathy	1001	DSE = BS-MS/i2 5th yr; PhD
BIO 412 MSB 413	Advanced Biology Laboratory III	Prof. Hema Somanathan Prof. Ullasa Kodandaramaiah Dr. Nisha N Kannan Dr. Amrutha Swaminathan	0093	Core = BS-MS 4th yr & MSc/IPhD 2nd yr					
MSB 412/BIO416	Biostatistics	Dr. Sandhya Ganesan Dr. Sanu Shameer	2002/3003	Core = MSc 2nd yr and 3rd year i2BIO					
MSB 414	Seminar Course	Dr. Sabari Sankar Thirupathy	1001	Core = MSc 2nd yr					
I2B 411 BIO 4119 BIO 6119	Systems Biology	Dr. Sanu Shameer Dr. Bandan Chakraborty	3003	Core - i2 4th yr; DSE = BS-MS 4th yr & MSc/IPhD 2nd yr; Minor (BS-MS 4th yr); PhD					
I2B 412 BIO 4118	Microbiome & Vaccinology	Dr. Sandhya Ganesan Dr. Sharmila Mande	2002	Core - i2 4th yr; DSE = BS-MS 4th yr & MSc/IPhD 2nd yr					
I2B 413 BIO 4115 BIO 6115	Synthetic Biology	Dr. Vijay Jayaraman	3003	Core - i2 4th yr; DSE = BS-MS 4th yr & MSc/IPhD 2nd yr; PhD					
I2B 414 BIO 4120 BIO 6120	Biological Spectroscopy & Microscopy	Dr. Manish Kumar Dr. Bandan Chakraborty	3003	Core - i2 4th yr; DSE =BS-MS 4th yr & MSc/IPhD 2nd yr; Minor (BS-MS 4th yr); PhD					
I2B 415 BIO 4121 BIO 6121	Human Genetics, Gene Therapy & Personal Genomics	Dr. N. Sadananda Singh	3003	Core - i2 4th yr; DSE = BS-MS 4th yr & MSc/IPhD 2nd yr; PhD					
BIO 4208 BIO 6208 AOE 6208	Stem Cells & Regenerative Medicine	Dr. Satish Khurana	3003	DSE = BS-MS 4th yr & MSc/IPhD 2nd yr GE; PhD					
BIO 4124 BIO 6124	Cellular and molecular basis of behaviour	Dr. Nisha N Kannan Dr. Amrutha Swaminathan	3003	DSE = i2 4th yr, i2 5th year & MSc/IPhD 2nd yr; PhD					
BIO 3011 BIO 6011	Genome Stability	Prof. Nishant K.T	3003	DSE = BS-MS/i2 3rd/4th yr & MSc/IPhD 1st/2nd; PhD.					