

SoB Course List VARSHA 2026

1st Year - Batch 2026				2nd Year - Batch 2025 (pre-major)				
Code	Course Name	Instructor	LTPC	Code	Course Name	Instructor	LTPC	Info
BIO 111	Principles of Life I: Biomolecules, Genetics and Evolution	Ullasa Kodandaramaiah/Nishan Kannan	2103	BIO 211	Principles of Life III: Organismal Biology	Hema Somanathan /Nitin Kamble	3104	Core = 2nd yr
BIO 112	Biology Lab I	Swati Devireddy/Anirban Guha/S Murty Srinivasula	0031	BIO 212	Principles of Life IV: Microbiology	V Stalin Raj	3003	Core = 2nd yr

3rd Year - Batch 2024 & MSc/IPhD - Batch 2026

Code	Course Name	Instructor	LTPC	Info
BIO 321 BIO 3005 MSB 401 BIO 621	Structural Biology	Ramanathan Natesh	3003	Core = BS-MS/i2 3rd yr & MSc/IPhD 1st yr; GE/Minor (3rd yr); PhD. Protected Minor
BIO 322 MSB 402 BIO 622	Immunology	S Murty Srinivasula	3003	Core = BS-MS/i2 3rd yr & MSc/IPhD 1st yr; PhD.
BIO 323 MSB 403 BIO 623	Cell Biology	Tapas K Manna	3003	Core = BS-MS/i2 3rd yr & MSc/IPhD 1st yr; PhD.
BIO 327 MSB 404 BIO 627	Ecology and Evolution	Yashraj Chavhan	3003	Core = BS-MS 3rd yr & MSc/IPhD 1st yr; PhD.
MSB 406 BIO 4111 BIO 6111	Biosafety and Regulation	Sabari Sankar Thirupathy	1001	AECC = MSc/IPhD 1st yr; AEC = BS-MS/i2 3rd year; PhD
BIO 325 MSB 405	Advanced Biology Lab II*	Sabari Sankar Thirupathy/Vijay Jayaraman/Manish Kumar	0093	Core = BS-MS/i2 3rd yr & MSc/IPhD 1st yr; *ABL & Computer Lab Required for 13x3 hrs (Aug 2026)
BIO 416 MSB 502 AOE 3016	Biostatistics	Sandhya Ganesan	3003	Core = i2 3rd year & MSc/IPhD 2nd yr; GE/Minor
BIO 4006 BIO 6006	Drug Discovery and Development	Kamalakaran Vijayan	3003	DSE = BS-MS/i2 3rd yr; BS-MS 4th yr; MSc/IPhD 1st yr & PhD; GE/Minor (3rd yr)
BIO 4126 BIO 6126	Scientific Presentation for Life Sciences	Sabari Sankar Thirupathy	1001	SEC = MSc/IPhD 1st yr; DSE = BS-MS 4th/i2 5th yr; PhD
BIO 3013 BIO 6013	Chromatin Biology	Nishana Mayilaadumvetil	3003	DSE = BS-MS 3rd & 4th year; i2 3rd yr; MSc/IPhD 1st yr; PhD
BIO 3014	Genome Editing and Engineering	N Sadananda Singh	3003	DSE = i2 3rd yr, i2 4th yr, i2 5th year & MSc/IPhD 1st yr; PhD.
BIO 3015	Plant Physiology	Maruthachalam / Boominathan Mohanasundaram	3003	DSE = i2 3rd yr; BS-MS 4th year; MSc/IPhD 1st yr; PhD.
BIO 3011 BIO 6011	Genome Stability	Nishant KT	3003	DSE = i2 3rd yr, BS-MS 3rd and 4th yr & MSc/IPhD 1st yr; PhD.

4th Year - Batch 2023 & MSc/PhD - Batch 2025				
Code	Course Name	Instructor	LTPC	Info
BIO 511 MSB 501 BIO 611	Developmental Biology	Jishy Varghese	3003	Core = BS-MS/i2 4th yr & MSc/PhD 2nd yr; PhD.
BIO 416 MSB 502 AOE 3016	Biostatistics	Sandhya Ganesan	3003	Core = i2 3rd year & MSc/PhD 2nd yr; GE/Minor for 3rd Year
BIO 412 MSB 503	Advanced Biology Laboratory III	Ullasa Kodandaramaiah / Nisha N Kannan / Satish Khurana	0093	Core = BS-MS 4th yr & MSc/PhD 2nd yr
I2B 421 BIO 4021 BIO 6021	Systems Biology Applications	Sanu Shameer / Bandan Chakraborty	3003	Core - i2 4th yr; DSE = BS-MS 4th yr & MSc/PhD 2nd yr; Minor (BS-MS 4th yr); PhD
I2B 422/BIO4027	Bio-imaging and Processing	Manish Kumar / Boominathan Mohanasundaram	3003	Core - i2 4th yr; DSE = BS-MS 4th yr & MSc/PhD 2nd yr
I2B 521	Systems Biology and Imaging Lab	Sanu Shameer / Bandan Chakraborty	3003	Core - i2 4th yr
I2C 422	Biomaterials	SoC	3003	Core - i2 4th yr
BIO 4124 BIO 6124	Cellular and Molecular Basis of Behaviour	Amrutha Swaminathan	3003	DSE = BS-MS 4th year/i2 5th year & MSc/PhD 2nd yr; PhD
BIO 4016 BIO 6016	Laboratory Animal Science	Poonam Thakur	3003	DSE = BS-MS 4th year/i2 5th year & MSc/PhD 2nd yr; PhD
BIO 4208 BIO 6208	Stem Cells and Regenerative Medicine	Satish Khurana	3003	Core = i2 4th year; DSE = 4th BS-MS & MSc/PhD 2nd yr
BIO 5015 BIO 6015	Proteomics and Metabolomics	Vijay Jayaraman / Manish Kumar	3003	DSE = BS-MS 4th year/i2 5th year & MSc/PhD 2nd yr; PhD
BIO 4025 BIO 6025	AI and ML in Biology	Mayukh Mondal	3003	DSE = BS-MS 4th year/i2 5th year & MSc/PhD 2nd yr; PhD/ GE/Minor (protected)
BIO 3013 BIO 6013	Chromatin Biology	Nishana Mayilaadumveetil	3003	DSE = BS-MS 3rd & 4th year; i2 3rd yr; MSc/PhD 1st yr; PhD
BIO 3014	Genome Editing and Engineering	N Sadananda Singh	3003	DSE = i2 3rd yr, i2 4th yr, i2 5th year & MSc/PhD 1st yr; PhD.
BIO 3015	Plant Physiology	Boominathan Mohanasundaram / Ravi Maruthachalam	3003	DSE = i2 3rd yr; BS-MS 4th year; MSc/PhD 1st yr; PhD.
BIO 4126 BIO 6126	Scientific Presentation for Life Sciences	Sabari Sankar Thirupathy	1001	SEC = MSc/PhD 1st yr; DSE = BS-MS 4th/i2 5th yr; PhD
BIO 4026 BIO 6026	Data Visualization in Biology	Ravi Maruthachalam	1001	AECC = MSc/PhD 2nd yr; DSE = BS-MS 4th/i2 5th yr; PhD
BIO 4006 BIO 6006	Drug Discovery and Development	Kamalakaran Vijayan	3003	DSE = BS-MS/i2 3rd yr; BS-MS 4th yr; MSc/PhD 1st yr & PhD; GE/Minor (4th year);

5th Year - Batch 2022				
Code	Course Name	Instructor	LTPC	Info
BIO 4126 BIO 6126	Scientific Presentation for Life Sciences	Sabari Sankar Thirupathy	1001	SEC = MSc/IPhD 1st yr; DSE = BS-MS/i2 5th yr; PhD
BIO 4006 BIO 6006	Drug Discovery and Development	Kamalakannan Vijayan	3003	DSE = BS-MS/i2 3rd yr, i2 5th year & MSc/IPhD 1st yr & PhD; GE/Minor (3rd yr)
BIO 4016 BIO 6016	Laboratory Animal Science	Poonam Thakur	3003	DSE = BS-MS 4th year/i2 5th year & MSc/IPhD 2nd yr; PhD
BIO 5015 BIO 6015	Proteomics and Metabolomics	Vijay Jayaraman / Manish Kumar	3003	DSE = BS-MS 4th year/i2 5th year & MSc/IPhD 2nd yr; PhD
BIO 4025 BIO 6025	AI and ML in Biology	Mayukh Mondal	3003	DSE = BS-MS 4th year/i2 5th year & MSc/IPhD 2nd yr; PhD/ GE/Minor (protected)
BIO 4124 BIO 6124	Cellular and Molecular Basis of Behaviour	Amrutha Swaminathan	3003	DSE = BS-MS 4th year/i2 5th year & MSc/IPhD 2nd yr; PhD
BIO 4026 BIO 6026	Data Visualization in Biology	Ravi Maruthachalam	1001	AECC = MSc/IPhD 2nd yr; DSE = BS-MS 4th/i2 5th yr; PhD
MSB 414	Seminar Course	Nitin Kamble	1001	AEC = MSc/IPhD 2nd year