INDIAN INSTITUTE OF TECHNOLOGY BOMBAY
Academic Office

No. Acad./PG/Institute Elective/Spring 2024-25 **Date : 19.12.2024**

INSTITUTE ELECTIVES FOR MASTERS PROGRAMME

Below is the list of approved courses under Institute Elective for the **Spring Semester 2024-25**

Sr. No.	Course Code	Title	Credits	Conditions if any
1.	ES 600	Environmental Science & Engg.	3 0 0 6	*Number of students to register for this course is limited to 60 (sixty) on first come first serve basis.*
2.	GNR630	Introduction to Geospatial Technologies	3 0 0 6	*Maximum of 50 students*
3.	HS 621	Contemporary Indian Philosophy	3 0 0 6	*Maximum of 50 students*
4..	HS 624	Contemporary Issues in Philosophy of Mind	3 0 0 6	*Maximum of 50 students*
5.	HS 629	Ecology and Society	3 0 0 6	*Maximum of 30 students*
6.	HS 634	Theories of Verbal Congnition	3 0 0 6	*Maximum of 50 students*
7.	HS 636	Development of Mathematics in India	3 0 0 6	*Maximum of 50 students*
8.	HS 639	Making of a Man: A Study of Mahatma Gandhi	3 0 0 6	*Maximum of 50 students*
9.	HS 640	Civil Society: Its Foundations and Future	3 0 0 6	*Maximum of 20 students*
10.	HS 663	Tribal Studies: Concepts and Perspective	3 0 0 6	*Maximum of 30 students*
11.	HS 673	Affective Neuroscience	3 0 0 6	*Maximum of 50 students*
12.	HS 678	Climate Change and the Environment: Scientific and Literary Perspectives	3 0 0 6	*Maximum of 50 students*
13.	HS4110	Experimental Archaeology: An Introduction	3 0 0 6	*Maximum of 50 students*
14.	SOM679	Competitiveness for Sustainable Enterprise	3 0 0 6	*Maximum of 40 students*
15.	PS 619	Health Policy	3 0 0 6	*Maximum of 40 students, Any PG+Final Year UG*
16.	PS 630	Technology and the Future of Workers	3 0 0 6	*Maximum of 30 students, Any PG+Final Year Dual Degree*
17.	PS 636	Information Economy, Platforms and Governance	3 0 0 6	*Maximum of 25 students, PG Only*
18.	PS 637	Circular Economy: Policy and practices	2 1 0 6	*Maximum of 40 students, PG Only*
19.	PS 642	Policy and Practice of Education	3 0 0 6	*PG Only*
20.	PS 644	Advanced Topics in AI, Data and Policy	3-0-0-6	*Maximum of 50 students*
21.	PS 651	Mobility, Policy and Infrastructure	3 0 0 6	-
22.	PS 657	Cybersecurity Governance and Management - Policy Considerations	3 0 0 6	*UG+PG*

Sr. No.	Course Code	Title	Credits	Conditions if any
23.	PS 658	Environmental Services in a Climate-Changing World	3 0 0 6	-
24.	PS 701	Energy Transition	3 0 0 6	*Maximum of 25 students, PG Only*
25.	PS 801	State, Markets and Public Policy	3-0-0-6	*Maximum of 25 students, UG+PG*
26.	GS 668	Nonlinear and Adaptive Data Analysis Techniques	2-1-0-6	–
27.	CS 752	System Dynamics: Modelling and Simulation for Development	3-0-0-6	-
28.	ENT601	Intellectual Property for Entrepreneurs	3-0-0-3	-
29.	ENT602	Technology Venture Creation	3-0-0-6	*Minor, UG & PG Elective*
30.	ENT603	Introduction to Entrepreneurship	3-0-0-6	-
31.	ENT605	Business Fundamentals For Technopreneurs	3-0-0-3	*Minor, UG & PG Elective*
32.	ENT607	Managing Technological Innovation	3-0-0-3	-
33.	ENT608	Developing a Proof of Concept- Advanced Type: Lab	0-0-6-6	-
34.	ENT612	Field immersion for Researchers and Entrepreneurs	1-1-2-6	*Not open to final year students*
35.	ENT613	Social Enterprise & Inclusive Business	3-0-0-6	*Not open to Ph.D. Students*
36.	ENT615	Strategy and Leadership for Entrepreneurs	3-0-0-3	-
37.	ENT618	Entrepreneurial Financing and Venture Capital	3-0-0-3	*Pre-Requisite ENT603/609/602*
38.	ENT622	Entrepreneuring by Leveraging University Ecosystems	1-0-4-6	*Not open to final year students*
39.	ME6114	Joint Biomechamics	3-0-0-6	-
40.	BB 400	Molecular Biophysics	2-1-0-6	*Maximum of 40 students*
41.	BB 411	Molecular Cell Biology	2-1-0-6	*Maximum of 25 students*
42.	BB 412	Genomics and Proteomics	3-0-0-3	*Maximum of 40 students*
43.	BB 503	Genetic Engineering	2-1-0-6	*Maximum of 30 students*
44.	BB 520	Analytical Biochemistry	2-1-0-3	*Maximum of 40 students*
45.	BB 524	Genetic Engineering	3-0-0-3	*Maximum of 40 students*
46.	BB 526	Biomolecular Spectroscopy	2-1-0-3	*Maximum of 40 students*
47.	BB 536	Cryo-Electron Microscopy	3-0-0-6	*Maximum of 40 students*
48.	BB 606	Cellular Electricity:Physics & Modelling	3-0-0-6	*Maximum of 40 students*
49.	BB 610	Biomedical Microsystems	3-0-0-6	*Maximum of 130 students*
50.	BB 611	Cell Cycle and Epigenetics	3-0-0-6	*Maximum of 15 students*
51.	BB 612	Cell Mechanics and Mechanobiology	3-0-0-6	*Maximum of 40 students*

Sr. No.	Course Code	Title	Credits	Conditions if any
52.	BB 618	Medical Instrumentation	6-2-0-6	*Maximum of 40 students*
53.	BB 623	Mechanisms of Bacterial Pathogenesis	2-1-0-6	*Maximum of 40 students*
54.	BB 624	Microfluidics: Physics and Applications	3-0-0-6	*Maximum of 40 students*
55.	BB 625	Motor Control in Health and Disease	3-0-0-6	*Maximum of 05 students*
56.	BB 626	Modeling Biological Systems and Processes	3-0-0-6	*Maximum of 40 students*
57.	BB 628	Molecular Cell Signaling	3-0-0-6	*Maximum of 25 students*
58.	BB 642	Protein Crystallography	2-1-0-6	*Maximum of 05 students*
59.	BB 648	Protein Engineering	2-1-0-6	*Maximum of 40 students*
60.	BB 655	Introduction to Biomedical Optics	3-0-0-6	*Maximum of 40 students*
61.	BB 667	Computational Physiology and Medicine	2-1-0-6	*Maximum of 40 students*
62.	TD 626	Technology, Society and Development	3-0-0-6	*Maximum of 30 students*
63.	TD 640	Health and Wellness through a lifecycle approach	3-0-0-6	-
64.	TD 646	Advances in Agricultural Technology	3-0-0-6	*Maximum of 30 students*
65.	TD 656	Characterizing Hydro-Meteorological Hazards & Risk	3-0-0-6	*Maximum of 30 students*
66.	DH 301	Basic Epidemiology	3-0-0-6	*Maximum of 10 Students*
67.	DH 302	Introduction to Public Health Informatics	3-0-0-6	*Maximum of 20 Students*
68.	DH 304	Economics of Heath Care	3-0-0-6	*Maximum of 10 Students*
69.	DH 307	R & D Project for UG	3-0-0-6	*Maximum of 10 Students*
70.	DH 605	R & D Project for PG	3-0-0-6	*Maximum of 10 Students*
71.	DH 603	Computational Multi-omics of Ageing	2-1-0-3	*Maximum of 10 Students*

This is for your information and necessary action.

sd/
Assistant Registrar (Academic)

To,
The Head/Convener of all Deptts, Centres, Schools/IDp Groups

Cc:
1. The Project Manager, ASC
2. Concerned Academic Staff – *to restrict the specific number of students to the course*