RESULTS FOR WINTER SEMESTER (JAN-MAY) 2023

Course Code	Course Name	AS	AA	AB	BB	BC	CC	CD	DD	FA	FD	FP	I	NP	PP	X	Count	Hard Copy Submitted(Yes/No)
BM 511H	Corporate Finance		6	3	4	2	5	1									21	Yes
BM 512H	Computer-aided Operations Research		4	6	3	4	1										18	Yes
BM 513H	Business Communication		3	4	6	4	1										18	Yes
BM 514H	Organization Structure and Design		3	4	5	4	2										18	Yes
BM 515H	Strategic Management		1	2	5	5	4										17	Yes
BM 516H	Business Analytics		3	8	7	1	3										22	Yes
BM 517H	Operations Management		1	7	7	3											18	Yes
BM 518H	E-Commerce and its Application		1	4	2		5	4									16	Yes
BM 519H	Legal Aspects of Business		4	6	6	4	2	1									23	Yes
BM 520H	Cross-Cultural Management		1	3	7	6	2										19	Yes
BT 202M	Molecular Biotechnology		1	2	1												4	Yes
BT 206	Microbiology	1	5	7	16	14	17	8	6								74	Yes
BT 207	Genetic Engineering	3	2	3	15	9	19	18	5			2					76	Yes
BT 208	Transport Phenomenon in Bioprocesses	2	11	26	18	9	2	4									72	Yes
BT 209	Bioreaction Engineering		20	19	4	8	10	6	5								72	Yes
BT 211	Basic Biotechnology Lab		21	37	13	3											74	Yes
BT 302M	Bioprocess Technology		1		1												2	Yes
BT 305	Computational Biology		5	14	11	8	7	5	12	1							63	Yes
BT 306	Bioseparation Engineering		10	10	12	9	6	10	4								61	Yes
BT 307	Biological Data Analysis		4	6	9	11	15	7	9								61	Yes
BT 308	Bioengineering		2	5	22	14	9	7	1		1						61	Yes
BT 402	BTech Project-II		20	19	12	2	4	1	3			1					62	Yes
BT 502	Quantitative Biology		1	7	13	12	8	2	1	2					1		47	Yes
BT 504	Biomolecular and Cellular Process Engineering		6	10	10	8	7	1				2					44	Yes
BT 520	Applied Biology and Bioengineering Lab		7	27	4				2								40	Yes
BT 522	Advanced Bioengineering		2	5	3										1		11	Yes
BT 523	Metabolic Engineering		1	6	3												10	Yes
BT 524	Bioinstrumentation & Control	1	2	3	2	2											10	Yes
BT 540	Applied Bioengineering Lab		2	3	4	1											10	Yes
BT 601	Analytical Biotechnology		13	13	11	15	4	2									58	Yes
BT 607	Plant Biotechnology		24	5	7	16	19	3									74	Yes
BT 608	Microbial Biotechnology		13	13	5	4	8	4	2	2							51	Yes
BT 616	Molecular Virology		8	8		2									1		19	Yes
BT 619	Essentials of Genetics		5	6	3	1	1										16	Yes
BT 624	Fluorescence Techniques in Biotechnology	1	4	6	6	7	1		1								26	Yes
BT 630	Physical Cell Biology		1	1	6			2									10	Yes
BT 634	Animal Models in Biomedical Research	5	17	14	18	8	14	7	8	2							93	Yes
BT 638	Cellular And Molecular Aspects of Aging		3	9	6	8	9	16	19			4			1		75	Yes
BT 640	Neural Imaging and Signal Systems			2	2				1			1			2		8	Yes
BT 651	Quantum Chemistry of atoms and molecules			2	2	5	1		1								11	Yes
BT 699	M. Tech Project II (MTP II)	2	23	15	3	1		1				2					47	Yes
CE 201	Surveying		4	27	38	9	13	15	1								107	Yes
CE 205	Structural Analysis I		5	3	7	14	6	21	39			16					111	Yes

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CE 206	Geotechnical Engineering	1	8	22	22	17	16	9	10			4					109	Yes
CE 213	Surveying Laboratory		13	53	31	10											107	Yes
CE 215	Geotechnical Engineering Laboratory		12	29	40	12	13		1								107	Yes
CE 220	Hydraulics and Hydraulic Structures		7	13	20	32	22	7	5			1					107	Yes
CE 221	Hydraulics and Hydraulic Structures Laboratory		5	62	37	3											107	Yes
CE 222	Environmental Engineering I		5	7	22	31	17	12	17		1						112	Yes
CE 223	Environmental Engineering I Lab		14	73	17	4											108	Yes
CE 308	Construction Technology and Management		5	20	33	26	18										102	Yes
CE 309	Design of Steel Structures		11	25	28	16	13	6	2			2					103	Yes
CE 320	Engineering Hydrology		4	15	24	14	24	13	4			5					103	No
CE 321	Hydrology Laboratory		75	27					1								103	No
CE 322	Transportation Engineering II		1	15	44	27	16										103	Yes
CE 323	Transportation Engineering II - Laboratory		24	56	18	4	1										103	Yes
CE 324	Mathematical Concepts and Applications in Civil Engineering		6	8	8	13	12	39	15								101	Yes
CE 499	BTP Phase II	5	43	14	14	4	1		5								86	Yes
CE 504	Advanced Structural Design		12	9	5	3	4	1								2	36	Yes
CE 510	Quality and Safety Management in Construction		1	7	11	4	3										26	Yes
CE 511	Analysis and Design of Bridges		8	7	9	5		2									31	Yes
CE 524	Biological Process in Environmental Engineering		7	5	4	3	1	3									23	No
CE 525	Solids and Hazardous Waste		3	12	8	4	5										32	Yes
CE 533	Advance Foundation Engineering		7	9	4	2	1					1					24	Yes
CE 534	Seminar Course		13	8						1							22	Yes
CE 544	Project Management Laboratory		2	5	1												8	Yes
CE 550	Project and Thesis Phase II	1	4	1									15				21	Yes
CE 555	Principles of Water Quality and EIA		9	23	14	3	2	1									52	Yes
CE 556	Subsurface Hydrology			1	3	4	7	4	2								21	Yes
CE 559	Watershed Management and Remote Sensing Applications		3	4	8	13	4					2			1		35	Yes
CE 562	Transient Flow Analysis		4	1	5	3	4	3	3								23	Yes
CE 570	River Engineering		7	14	2												23	Yes
CE 573	Seismic Evaluation and Retrofitting of Structures		3	8	5	6	1								1		24	Yes
CE 583	Pavement Analysis and Design			6	16	23	33	15	6								99	Yes
CE 584	Traffic Engineering		2	4	6	6	2		1								21	Yes
CE 585	Credit Seminar	2	13	2	2												19	Yes
CE 594	Geohazards Science and Engineering		4	7	7	6	6	7	13			3					53	Yes
CE 595	Advanced Techniques in Geosciences		2	4	4	5											15	No
CE 606	Earthquake Engineering		3	4	5	8	5	5							1		31	Yes
CE 607	Random Vibration		1	2	5	3	1										12	Yes
CE 608	Reliability based Structural Design		3	2	1												6	Yes
CE 609	Computation Plasticity		1	2	6		1										10	Yes
CE 612	Advanced Concrete Technology		2	2	5	4	3	1	2								19	Yes
CE 614	Financing Infrastructure Projects			1	3	5		1									10	Yes
CE 615	Design of Masonry Structures		2	4	1												7	Yes
CE 616	Blast and Impact Resistant Design		17	23	27	6			1								74	No
CE 618	Mechanics of Unsaturated Soils	1	6	5	4	2		1	1			1			1		22	Yes
CE 622	Geometric Design of Transportation Facilities		1	5	11	2	1										20	Yes
CE 623	Pavement Evaluation, Rehabilitation and Maintenance	2	2	6	6	3	3	1							1		24	Yes

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CE 628	Traffic Flow Modelling and Simulation		1	1	1	2	1										6	Yes
CE 641	Reinforced Soil Structures	1	2	5	2	2									1		13	Yes
CE 643	Earthquake Geotechnical Engineering	1	6	7	4	1				1							20	Yes
CE 646	Rock Mechanics		5	11	12	5				1							34	No
CE 648	Applied Soil Mechanics	2	3	6	5	2	3	3	5								29	Yes
CE 661	Air Quality Modeling		1	4	7	3	4	2							1		22	Yes
CE 691	M Tech Project II		1										17				18	Yes
CE 692	Project & Thesis PhaseI												1				1	Yes
CE 693	Project and Thesis Phase II		8										10				18	Yes
CE 695	M Tech Project II	1	1										2				4	Yes
CH 211	Industrial Chemistry		5	5	4	11	9	10	8		2					1	55	Yes
CH 222	Applied Organic Chemistry		8	14	10	10	9	1			2						54	Yes
CH 223	Chemical Technology Lab - I (Organic)		12	26	16												54	Yes
CH 224	Group Theory	1	13	11	8	11	9	2	2	1							58	Yes
CH 233	Spectroscopic Techniques in Chemistry		3	10	7	5	15	9	5								54	Yes
CH 323	Polymer Chemistry		4	14	9	11	9	5	3								55	Yes
CH 332	Computational Chemistry	3	6	15	7	5	6	10	3	1							56	Yes
CH 334	Chemical Technology Lab - III (Physical)		20	16	18	1											55	Yes
CH 335	Application of Nanomaterials	2	16	7	11	8	8		3								55	Yes
CH 400	Computers and Chemistry	3	11	20	16	6	2	1									59	Yes
CH 411	Inorganic Reaction Mechanism and Organometallics		4	16	17	9	12		1								59	Yes
CH 418	Biological Chemistry of Metal Ions	3	26	12	5					1					1		48	Yes
CH 419	Consumer Chemistry	2	12	66	81	57	32	17	6	1	3	1					278	Yes
CH 421	Organic Reactions Mechanisms		12	21	20	5	1										59	Yes
CH 425	Organic Chemistry Laboratory		23	23	8	5											59	Yes
CH 428	Drug Design and Development	2	14	17	7	4			2								46	Yes
CH 432	Chemical Dynamics and Electrochemistry	1	3	8	12	17	9	8	1								59	Yes
CH 433	Applications of Spectroscopy	1	17	21	18	2											59	Yes
CH 437	Chemical Approaches to Nanoscale Science and Technology	1	5	11	14	12	4			1							48	Yes
CH 438	Application to Statistical Mechanics to Chemistry			1	1					1							3	Yes
CH 499	Project - II		8	14	18	3		4		1							48	Yes
CH 500	Graduate Seminar	1	25	13	10	1	1	3									54	Yes
CH 600	Project	3	23	25	3												54	Yes
CH 613	Applied Inorganic Chemistry		13	22	9	3											47	Yes
CH 617	Organometallics		6	9	2												17	Yes
CH 618	Bio-inorganic Chemistry		6	7	3	5											21	Yes
CH 621	Modern Reagents in Organic Synthesis	1	15	13	7	2	2		2						1		43	Yes
CH 623	Supramolecular Chemistry	1	6	6	3	3											19	Yes
CH 627	New Reagents for Organic Synthesis		9	10	6												25	Yes
CH 629	Advances in Bio-organic Chemistry		3	6	1												10	Yes
CH 631	Advanced Quantum Chemistry		1	1			1										3	Yes
CH 639	Principles and Applications of Molecular Fluorescence		1	1	4	3	3	7	3			1					23	Yes
CH 644	Applied Quantum Chemistry		3	2	1	1	1								3		11	Yes
CL 205	Mass Transfer Operations I	1	17	35	38	2											93	Yes
CL 206	Solid Fluid Operations		13	50	25	5											93	Yes
CL 207	Computer Aided Numerical Methods		34	33	15	9	2					1					94	Yes

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CL 208	Chemical Reaction Engineering I		4	11	14	39	13	11	2								94	Yes
CL 209	Process Equipment Design I		22	29	36	6				1							94	Yes
CL 210H	Laboratory 1: Fluid Mechanics		24	60	9												93	Yes
CL 211H	Laboratory 2: Heat Transfer		12	57	19	6											94	Yes
CL 304	Chemical Process Technology	5	9	11	20	27	11		2								85	Yes
CL 305	Transport Phenomena	1	2	6	14	16	17	12	16				1				85	Yes
CL 306	Process Engineering & Economics	1	4	3	6	13	17	23	12				6				85	Yes
CL 312	Computer Aided Process Equipmen Design		23	32	27	2	1										85	Yes
CL 313	Laboratory 4: Mass Transfer		15	47	19	1	2	1									85	Yes
CL 314H	Laboratory 5: Reaction Engineering		13	32	28	12											85	Yes
CL 315H	Laboratory 6: Process Control		14	25	30	15	2										86	Yes
CL 499	Project II		10	8	6	1							4				29	Yes
CL 503	Advanced Thermodynamics		1	9	30	23	4						1				68	Yes
CL 504	Advanced reaction Engineering	1	14	27	14	3	3	4		1							67	Yes
CL 505	Petroleum Production Engineering		2	6	13	7											28	Yes
CL 506	Smart Materials	1	4	13	8	4	2			1							33	Yes
CL 514	Fundamentals of Material Science & Engineering	1	4	6	7	6	1			1							26	Yes
CL 598	Petroleum Laboratory		27	1													28	Yes
CL 599	Scientific Communications		8	34	20	2	2			1							67	Yes
CL 612	Colloid and Interface Science		2	13	31	69	96	61	15		1	1					289	Yes
CL 617	Petrochemicals			3	10	12	17	17	33				1				93	Yes
CL 618	Natural Gas Engineering		4	17	16	13	3										53	Yes
CL 622	Molecular simulations: Principles and Applications		1	2	3				1						1		8	Yes
CL 625	Fundamentals of micro-nanofluidics & microfabrication	1	2	7	16	5	8	1	1						2		43	Yes
CL 626	Energy Resources		5	6	6	4	1										22	Yes
CL 628	Catalysis and adsorbents	1	10	11	11	19	8	3					1				64	Yes
CL 633	Applied Statistical Thermodynamics		1	7	28	3	5	1									45	Yes
CL 643	Computer aided applied optimization		3	2	7	11	9	1	2				1	1			37	Yes
CL 650	Quantum technologies in chemcial engineering		18	15	32	8	2								1		76	Yes
CL 653	Applications of Artificial Intelligence and Machine Learning in Chemical Engineering		5	4	7	11	10	6	1				1		1		46	Yes
CL 654	Multiscale Modelling and Simulation		2	7	8		1		1						2		21	Yes
CL 699	PROJECT II		31	7								20					58	Yes
CS 205	Formal Languages, Automata Theory, and Computation		2	24	29	21	13	22	18	1							130	Yes
CS 206M	Datastructures and Algorithms		6	16	8	14	6										50	Yes
CS 207	Design and Analysis of Algorithms	1	8	5	23	22	29	21	7		1	11					128	Yes
CS 223	Computer Architecture and Organization		13	16	28	53	43	21	14	1		25					214	Yes
CS 224	Hardware Lab		40	51	25	8							1				125	Yes
CS 245	Database Management Systems	2	26	15	34	33	42	28	21			2	2		4		209	Yes
CS 246	Database Management Systems Lab		103	78	21	2	1										205	Yes
CS 321	Smart Systems Laboratory		10	2	2												14	Yes
CS 331	Programming Languages Lab		30	23	14	27	14						1				109	Yes
CS 345	Software Engineering	9	22	33	26	24	6	2						4	1		127	Yes
CS 346	Software Engineering Lab	18	36	18	24	10	12	4									122	Yes
CS 348	Implementation of Programming Languages Lab	11	27	29	21	20	11	6	1								126	Yes
CS 350M	Computer Systems	1	1	3	4	15	10	1	5	2	1			2	4		49	Yes
CS 361	Machine Learning		20	32	37	33								2	1		125	Yes

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CS 499	Project II	1	27	15	14	16	1	1									75	Yes
CS 503	Randomized Algorithms		1	1	1												3	Yes
CS 509	Computational Number Theory and Cryptography	2	9	14	13	19	7		11						1		76	Yes
CS 528	High Performance Computing		21	20	42	62	16	10	7		1	1			1		181	Yes
CS 549	Computer and Network Security		18	20	25	18	9	5	5						3		103	Yes
CS 558	Computer Systems Lab		18	26	17	4				1							66	Yes
CS 564	Computational Complexity		1	3	3	3	2	4	4			2					22	Yes
CS 570	Fundamentals Of Information Retrieval	8	8	24	12	11	11	4				1					79	Yes
CS 577	C Based VLSI Design	4	59	30	50	40	44	16	7			1	1				252	Yes
CS 595	Data Visualization Lab	1	2	5	6	2			2			2					20	Yes
DA 213	Python Programming Laboratory		6	9	7												22	Yes
DA 214	Database Management Systems		2	6	7	3	3	1						1	1		24	No
DA 215	Database Management Systems Laboratory	1	8	7	5	1											22	No
DA 221	Introduction to Artificial Intelligence		2	4	7	6	3	1						1	1		25	Yes
DA 221M	Artificial Intelligence		4	10	14	12	7	2	2			1			1		53	Yes
DA 243	Introduction to Optimization		6	8	4	3		1									22	Yes
DA 244	Applied Probability and Random Processes		4	6	5	5	2										22	Yes
DA 526	Image Processing with Machine Learning		12	19	26	25	15	8	3			2			10		120	Yes
DA 623	Computing with Signals		6	11	13	24	21	4				1			1		81	Yes
DA 671	Introduction to Reinforcement Learning		16	26	39	37	23	15	4			4		4	6		174	Yes
DD 203	Materials and Processes		2	3	16	21	18	2									62	Yes
DD 212	Visual Narratives	1	19	25	8	3	4		2								62	Yes
DD 213	Art and Aesthetics in Design		7	22	14	14	4							1			62	Yes
DD 214	Design Workshop		32	15	6	6				1							60	Yes
DD 215	Cognitive Ergonomics		9	12	11	17	11										60	Yes
DD 220M	Introduction to Ergonomics		1	2	6	8	2		2								21	Yes
DD 302	Design Analysis			1	2	1	1	1									6	Yes
DD 303	Typography and Grid Systems		27	11	11	6	2	1	3								61	Yes
DD 311	Systems approach to Design		16	17	15	2		1		3		1					55	Yes
DD 312	Design Evaluation Methods	1	5	15	17	2	5	3	1	4							53	Yes
DD 320M	Product Planning and Strategy		5	6	5					1		4					21	Yes
DD 324	(PD) Plastics & Composites		7												1		8	Yes
DD 325	(VC) Graphic Communication		5	11	11	3	6		2			1					39	Yes
DD 326	(TD) Introduction to Automobile Design			3	1		3		1						1		9	Yes
DD 398	BDes Project II		17	21	10	2		1		3							54	Yes
DD 411	Design and Entrepreneurship		27	14	11	3											55	Yes
DD 499	BDes Project IV	2	10	15	8	10	7	2	1	1			2				58	Yes
DD 505	Form Studies	1	1	7	15	9	1										34	Yes
DD 506	Graphic Design		8	12	11	2											33	Yes
DD 507	Design Project	4	12	7	6	2	2										33	Yes
DD 509	Interaction Design		20	28	11												59	Yes
DD 517	Automobile Design				2												2	Yes
DD 521	System Design For Sustainability		1	2	8	22	5		1			1					40	Yes
DD 523	Creative Furniture Design		1	7	6												14	Yes
DD 524	Graphic Design Studio		4	14	5			1				1			1		26	Yes
DD 532	Motion Graphics	2	5	11	17	14	9	4				1					63	Yes

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DD 536	Additive manufacturing		1														1	Yes
DD 546	Product Form and Structures	1	6	4	12	6											29	Yes
DD 547	Design for Environmental Sustainability		5	6	5	9	4	1									30	Yes
DD 548	Embodiment Design	5	6	11	7	1											30	Yes
DD 549	Systems thinking	1	12	14	2												29	Yes
DD 552	Design of Embedded Systems		1	2										1	5		9	Yes
DD 554	Pattern Recognition and Machine Learning			4	2				1								7	Yes
DD 555	IoT Enabled Smart Grids		6	8	1												15	Yes
DD 557	Fundamentals of Sensors and their Applications		1	1	3	3	1										9	Yes
DD 603	Thesis Project Phase I			1													1	Yes
DD 605	Thesis Project (Phase II)	3	12	6	4	4											29	Yes
DD 606	Product Detailing		1										1				2	Yes
DD 705	Design Research Methods			1	1	2							1		3		8	Yes
DD 709	Design-based Project		3										1				4	Yes
DD 710	Research-based Project		2	2									1				5	Yes
DM 503	Hazards monitoring and prediction		2	1	3												6	Yes
DM 504	Research methodology and field visit		1	2	2												5	Yes
DM 514	Financing for Disaster Risk Reduction (DRR)		1	1	2	1	1										6	Yes
DM 515	Rehabilitation and Retrofitting of RC Structures		1	3	2	1											7	Yes
DM 697	Project Phase 1		1	1									3				5	Yes
DM 699	Project (Phase 3)		3										6				9	Yes
EE 206	Analog Circuits		17	35	48	27	19	17	12			5					180	Yes
EE 207	Analog Circuits Laboratory		24	31	62	24	18	20	2	1							182	Yes
EE 213M	Digital Circuits		3	5	7	4	5	1		1							26	Yes
EE 230	Probability and Random Processes		17	26	30	35	32	18	8			13	1				180	No
EE 250	Control Systems		16	44	40	17	22	14	18			8					179	Yes
EE 252	Measurement and Instrumentation		7	22	83	36	18	9	5								180	Yes
EE 253	Instrumentation Laboratory		21	32	52	34	25	12	3	1		1					181	Yes
EE 313	Microelectronics Laboratory		4	13	32	42	13	6	2	1		1					114	Yes
EE 322M	Signal Processing	1	2	1	4	8	11	1	2	1							31	Yes
EE 332	Digital Communication	1	7	15	27	34	16	7	1			4	2				114	Yes
EE 333	Communication and DSP Laboratory	3	20	60	17	10	4										114	Yes
EE 334	Computer networks	2	6	11	33	37	17	5	2			1	2				116	Yes
EE 335	Information Theory & Coding	2	9	5	9	56	34	21	21	1		2					160	Yes
EE 336	Modelling and Simulation of Stochastic Systems	1	12	9	2	2	2	2									30	Yes
EE 352	Advanced Control System	4	24	56	42	12	4	3				3					148	No
EE 360	Power Electronics	1	8	13	21	10	8	5	2								68	Yes
EE 370	Electrical Power Systems			2	18	22	12	7	4			4					69	Yes
EE 371	Advanced Electrical Engg Lab		23	21	21	2				1							68	Yes
EE 381	Electrical Machines Lab		22	24	17	2	1		1								67	Yes
EE 390	Data structure and algorithms	1	55	78	30	9	3	5					2	1	18		202	Yes
EE 396	Design Lab		9	16													25	Yes
EE 399	BTP II (New Curriculum)		4	4	1				1								10	Yes
EE 499	B. Tech Project-IV			5	1				1								7	Yes
EE 512	Analog IC Design	1	2	3	10	9	3	1	1								30	No
EE 515	VLSI System Design		6	8	4	1		1							2		22	Yes

Course Code	Course Name	AS	AA	AB	BB	BC	CC	CD	DD	FA	FD	FP	I	NP	PP	X	Count	Hard Copy Submitted(Yes/No)
EE 516	VLSI DSP	1	3	3	4	4	1	1	1								18	Yes
EE 517	VLSI Lab-II		5	10	3	2											20	No
EE 518	VLSI Lab-III	1	5	10	3	1											20	Yes
EE 521	Digital Signal Processing Lab	1	7	5	3	4				2							22	Yes
EE 522	Statistical Signal Processing		1	1	4	3	5	4	2	2							22	Yes
EE 525	Advanced Topics in Machine Learning		3	5	6	6	1			2							23	Yes
EE 526	Machine Learning		3	4	8	7	5	2	1	1							31	Yes
EE 527	Machine Learning Laboratory	1	10	7	5	3				1							27	Yes
EE 533	Wireless Communications		4	5	4	5	4						1				23	Yes
EE 534	Communication System Design Lab		4	6	6	2											18	Yes
EE 535	Data Communication Network		2	3	7	5	1										18	Yes
EE 540	Advance Electromagnetic Theory and Antennas		1	2	6	2	1					1					13	No
EE 548	RF Laboratory		1	3	5	1											10	No
EE 549	Photonics Integrated Circuits	1	1	4	3	1											10	Yes
EE 553	Optimal Control	1		4	4	4											13	No
EE 554	Nonlinear Systems and Control		2	4	4												10	Yes
EE 555	Automation Laboratory	2	7	4													13	No
EE 557	Optimization		1		2	3	5										11	No
EE 562	Power Electronics Applications in Power Systems		3	5	7	4		1					1				21	Yes
EE 572	Power Engineering Laboratory		5	5	2	1				1							14	Yes
EE 580	Electrical Machines and Drive Systems		4	5	5	1			1								16	Yes
EE 592	Detection and Estimation Theory		4	3	2	6	1	2		1					1		20	Yes
EE 595H	Stochastic Models		3	5	3	4	2	1		1							19	Yes
EE 596H	Optimization Techniques	1	4	3	4	3	2	1									18	Yes
EE 602	Adaptive and Learning-based Control		4	2	6	6	28	13	6	1					2		68	Yes
EE 613	Radio Frequency Integrated Circuits		2	2	5	1		1									11	Yes
EE 620	Image Processing		5	24	25	31	4					3					92	Yes
EE 622	Biomedical Signal Processing		1	5	5	10	6	2	1	2							32	Yes
EE 624	Speech Technology			2	9	16	21	2		3							53	Yes
EE 626	Pattern Recognition and Machine Learning		12	27	37	26	6	1		1					1		111	Yes
EE 632	Advanced Topics in Communication Systems		1	4	5	2									3		15	Yes
EE 633	Error Control Codes		7	11	20	16	13	1	2								70	Yes
EE 640	Modeling & Simulation of Advanced Nanoscale Devices			2	4												6	Yes
EE 643	Silicon Photonics		3	1	1												5	Yes
EE 647	Microsensors and Nanosensors	2	4	9	5	2	3								1		26	Yes
EE 665	Power Electronic Systems for Electric Vehicles	2	6	7	27	24	17	5	4								92	Yes
EE 676	Advanced Power System Monitoring	1	17	26	25	29	20	6	7	1							132	Yes
EE 690	Seminar				1												1	Yes
EE 699	MTP Phase II	3	12	5	3	7		1					1	44			76	Yes
EE 721	Advanced Topics in Signal Processing				1									2	3		6	No
EM 599	Project phase 3		3				1						3				7	Yes
EN 667	Advanced Energy Systems		4	4	7					1							16	Yes
EN 671	Solar Energy Conversion Technology		5	14	45	82	88	16	5				1				256	Yes
EN 674	Energy Economics, Planning and Management		4	5	9					1			1				20	Yes
EN 697	Project 1		1	9	4					1							15	Yes
EN 699	Project 3		3	3	1	1							7				15	Yes

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HS 116	Sociology of India: Conformities and Contradictions		9	14	14	13	11	20	16								97	Yes
HS 125	Introductory Macroeconomics		25	32	35	13	2	1	1								109	Yes
HS 128	Introduction to Psychology		3	21	24	22	27	11	1								109	Yes
HS 134	Introduction to Archaeology		3	6	13	21	20	6	5	3							77	Yes
HS 135	Topics in Bilingualism		10	20	25	30	16	8	1								110	Yes
HS 136	Introduction to Indian Constitution and Political Processes		4	10	24	30	21	8				2					99	Yes
HS 138	Psychology of Well Being		10	13	20	18	20	19	3								103	Yes
HS 155	Introductory Mathematical Economics		17	28	24	13	8	4									94	Yes
HS 156	Economics of Health and Education		3	6	14	21	31	24	11								110	Yes
HS 161	The Novel and Magic Realism			1	8	11	6	7	34	2							69	Yes
HS 200	Sustainable Development Goals														924		924	No
HS 207	Concepts and Ideologies in Social Life		6	22	23	28	20	11	6								116	Yes
HS 216	Investigating Justice in Detective Fiction		4	19	32	26	6	8	5								100	Yes
HS 222	Philosophy of Science		3	6	10	11	10	7	2	2							51	Yes
HS 232M	Linguistic Analysis			2	2	1				1							6	Yes
HS 233	History of Contemporary India		4	5	16	6	5	6	6			2					50	Yes
HS 235	Writing Systems of the World		3	1	3	4	4	7	13	1		4					40	Yes
HS 239	Economics of Uncertainty and Information		8	3	5	5	5	4	9			1					40	Yes
HS 242	Transboundary Waters: Conflict and Cooperation		13	53	41	1										1	109	No
HS 244	Indian Business History	1	3	10	37	25	5										81	Yes
HS 248	Indian Literary Theory	1	15	18	29	5	9	10			1						88	Yes
HS 251	Social Choice and Welfare		8	16	20	20	8	11									83	Yes
HS 252	Pandemics, Health and Society	2	2	13	28	14	13	6	3			2					83	Yes
HS 320M	Literature and Film: The Word and the Image		1	1	2										6		10	Yes
HS 503	Sociology of Development		6	10	17	8	6					2					49	Yes
HS 506	Interrogating Modernity		2	20	10	3	2										37	Yes
HS 517	Comparative Politics of Developing Countries		2	7	12	16	5	1	1	1							45	Yes
HS 523	Economic Development: Theory and Practice		3	3	2	5	3	9	13	1		5					44	Yes
HS 524	Qualitative Research Methods in Social Sciences		5	11	12	8	9	4		1							50	Yes
HS 525	India's Development: Issues and Debates		2	7	14	7	6	5	4			1					46	Yes
HS 551	Foundational Linguistics		2	4	4	3	2										15	Yes
HS 553	History and Philosophy of Science			2	1										1		4	Yes
HS 556	Introduction to Literary Studies		1	1	4	5	2	2									15	Yes
HS 559	Indian Literary Theory		1	4	1												6	Yes
HS 561	Historical Studies	1	1	3	4	7	2										18	Yes
HS 563	Early Womens Writing in English			1	2	2											5	Yes
HS 564	Psychoanalysis and the Social Bond	1	2		4	2	1										10	Yes
HS 565	Social Meta-theory	1	1	2	1	3			1								9	Yes
HS 603	International Trade and Development		2	1		1	1	3	1								9	Yes
HS 699	Dissertation		13	19	5	6											43	Yes
HS 702	Contemporary studies in Philosophy			1													1	Yes
HS 703	Topics in Economics		2		1												3	Yes
HS 727	Issues in Historical Research			1													1	Yes
HS 734	Perspectives in Linguistics				1												1	Yes
HS 737	Cognitive Linguistics: Theories and Methods			1													1	Yes
HS 745	Phonological Acquisition			1													1	Yes

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HS 774	Development Planning and Official Statistics in India		2			1											3	Yes
HT 506	Biotechniques and Bioinstrumentation Laboratory		2	10	5		1										18	Yes
HT 507	Diagnostics & Devices Laboratory	1	3	5	8	1											18	Yes
HT 508	Product Design and Prototyping Laboratory			2	4	4	3	4	1								18	Yes
HT 601	Medical Diagnostic Devices, BioMEMS, and Biosensors	3	4	10	7								1				25	Yes
HT 602	Regulatory Affairs of Biomedical Devices		11	8	2												21	Yes
HT 603	Advanced Immunology	1	4	13	5		1										24	Yes
IFST 017	Joint Degree Dissertation I		4														4	Yes
IFST 020	Joint Degree Dissertation		2										3				5	Yes
IK 601	Elements of Indian Knowledge Systems	1	2	1	1											1	6	Yes
LS 501	Mathematics and Statistics						1	1									2	Yes
MA 212M	Mathematical Statistics	1	2	4	3	11	8	3	2			1					35	Yes
MA 224	Real Analysis	1	5	6	16	18	21	6	6								79	Yes
MA 252	Design and Analysis of Algorithms	1	7	7	12	9	8	12	12		3	8					79	Yes
MA 271	Financial Engineering I	1	3	15	27	25		7	1					1	1		81	Yes
MA 312M	Modern Algebra		1	1	4	7	7		11			9		1	1		42	Yes
MA 322	Scientific Computing		6	14	17	29	10	2			1						79	Yes
MA 324	Statistical Inference and Multivariate Analysis		4	8	6	17	28	13	4								80	Yes
MA 351	Theory of Computation		3	5	4	6	11	14	33			3					79	Yes
MA 373	Financial Engineering II		5	7	11	13	9	23	11								79	Yes
MA 374	Financial Engineering Laboratory	1	9	12	20	23	7	7									79	Yes
MA 499	Project II	1	42	13	5	3	1		4			1					70	Yes
MA 506	Number Theory and Cryptography	1	6	5	9	6	5	8	3			1			3		47	Yes
MA 512	Data Structures and Algorithms		1		3	9	10	4	12			22					61	Yes
MA 519	Complexity Theory			3	1	3	3	2							1		13	Yes
MA 542	Differential Equations		1	2	7	16	8	11	7			7					59	Yes
MA 550	Measure Theory		3	3	2	4	4	9							1		26	Yes
MA 571	Numerical Linear Algebra			2	5	3	15	13	9			13					60	Yes
MA 573	Numerics of Partial Differential Equations		4	5	14	18	13	4	2								60	Yes
MA 588	R Programming Lab		3	7	2	2	2	2	1								19	Yes
MA 590	Probability Theory		1	8	12	21	10	6	1						2		61	Yes
MA 591	Optimization Techniques	2	4	7	13	7	10	9	7								59	Yes
MA 592	Mathematical Finance		5	5	8	7	9	11	6			3			2		56	Yes
MA 594	Statistical Decision Theory		1														1	Yes
MA 601	Graphs and Matrices		5	7	6	6	8	7	2			2					43	Yes
MA 619	Data Structures Lab				1												1	Yes
MA 625	Linear Algebra-I		2	2		3				1							8	Yes
MA 641	Operator Theory in Hilbert Spaces		1	2													3	Yes
MA 642	Real Analysis-1		2		3	1	1										7	Yes
MA 653	Network Science	1	2	8	8	6	9	5	3								42	Yes
MA 654	Advanced Data Structures and Algorithms		2	5	4	5	8	6	9			2					41	Yes
MA 662	Differential Equations		3	4	2												9	Yes
MA 664	Theory and Applications of Sobolev Spaces			2	3												5	Yes
MA 668	Algorithmic and High Frequency Trading	2	15	15	8	25	4										69	Yes
MA 681	Applied Stochastic Processes		2	1													3	Yes
MA 699	Project		23	13	11	6	3	1	1			1					59	Yes

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MA 726	Number Theory		1	3	1	6	2	9	6			2			1		31	Yes
MA 733	Spectral Perturbation Theory for Matrices and Matrix Pencils				1												1	Yes
MA 761	Advanced Fluid Dynamics			3	1												4	Yes
ME 202M	Mechatronics		2	1	5	1				1					1		11	Yes
ME 221	Fluid Mechanics II		2	6	12	27	34	28	4			2					115	Yes
ME 222	Manufacturing Technology I		15	21	26	23	18	9	5								117	Yes
ME 223	Solid Mechanics II		4	10	29	39	11	10	11	1		3					118	Yes
ME 224	Kinematics of Machinery	3	12	29	35	16	9	11	1								116	Yes
ME 225	Mechanical Workshop II		31	72	9		1					2					115	Yes
ME 226	Mechanical Engineering Lab II		5	11	90	7											113	Yes
ME 302M	Fundamentals of Artificial Intelligence		6	2	2	1	4							1	5		21	Yes
ME 321	Applied Thermodynamics	1	14	32	30	17	16	11	2								123	Yes
ME 322	Machine Design	2	15	45	54	9	1										126	Yes
ME 323	Mechanical Measurements		16	41	32	20	10	2	1				1				123	Yes
ME 324	Industrial Engineering and Operations Reseach.		24	46	29	10	3	8	6				2				128	Yes
ME 325	Control Systems		18	22	30	34	14	5	1	1			1				126	Yes
ME 326	Mechanical Engineering Lab IV		16	70	18	16	2	2	1	1							126	Yes
ME 399	BTech Project-II		29	42	28	19	1	2	2								123	Yes
ME 499	Project-II		12	31	46	14	4	4									111	Yes
ME 505	MTP Phase II		9	7	2	5							66				89	Yes
ME 511	Engineering Materials and Characterization		3	4	14	6	1	3	3			3					37	Yes
ME 513	Physics of Deformation Processes		3	10	15	10	5					7					50	Yes
ME 515	Manufacturing Laboratory		14	8	1					1							24	No
ME 522	Convective Heat Transfer		2	2	1	4	6	13	2			4			1		35	Yes
ME 541	Continuum Mechanics		1	3	4	4	3	2	2	5				1			25	Yes
ME 542	Numerical Analysis	2	8	7	12	2	3	2	1			4					41	Yes
ME 544	Computational Mechanics Laboratory		3	3	2	2				1							11	Yes
ME 552	Aircraft Propulsion		6	7	8	11				1							33	Yes
ME 553	Gas Dynamics		6	7	9	4	4			3							33	Yes
ME 554	Rocket Propulsion		3	8	2									1			14	Yes
ME 605	Fracture Fatigue and Failure Analysis		7	23	25	4	3	8	1	3		1		1			76	Yes
ME 607	Introduction to Composite Materials		3	6	18	9	9	6	3			3					57	Yes
ME 612	Nuclear Energy: Concepts and Applications	2	5	13	11	10	19	12	21								93	Yes
ME 613	Nonlinear Vibration		3	3	6	5	1			7							25	Yes
ME 615	Rotor Dynamics		6	8	12	3						8			1		38	Yes
ME 619	Fundamentals of Microfluidics		4	6	14	12	5			3							44	Yes
ME 657	Two Phase Flow and Heat Transfer	1	2	1	11	7			1	2							25	Yes
ME 670	Advanced Computational Fluid Dynamics		1	1	1	1									1		5	Yes
ME 682	Nonlinear Finite Element Methods			2	7	2	3					3					17	Yes
ME 683	Computational Gas Dynamics		3	4	8	5	3								1		24	Yes
ME 688	Advanced machining processes		28	39	36	19	14	10	2					1	1		150	Yes
ME 696	Biomedical Devices and Systems	3	9	13	15	13	10	7	5			2	2		1		80	Yes
PH 202	Electromagnetics		1	3	9	11	18	6	4			12					64	Yes
PH 204	Quantum Mechanics-I		5		5	5	7	15	14			12					63	Yes
PH 206	Computational Physics	1	15	8	11	18	4	3	2			1					63	Yes
PH 208	Digital electronics & microprocessors		3	5	8	7	18	7	10			5					63	Yes

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PH 210	General Physics Laboratory-I		15	27	16	2	1										61	Yes
PH 282M	Engineering optics	1		2			2	1									6	Yes
PH 302	Solid state physics		6	13	18	12	7		1			1					58	Yes
PH 304	Measurement techniques	1	5	8	14	13	12	1	1		2	1					58	Yes
PH 306	Lasers and Ultra Fast Optics				8	12	11	10	12			4					57	Yes
PH 308	Nuclear science & technology		3	6	15	12	16	7	1								60	Yes
PH 310	Advance Physics Laboratory	1	11	31	7	4	3										57	Yes
PH 312	Mini Project	1	25	20	9	2			1				2				60	Yes
PH 382M	Laser Physics		2		2							2					6	Yes
PH 402	Mathematical Physics-II		4	5	5	10	7	9	10	2		3					55	Yes
PH 404	Statistical Mechanics		2	2	5	11	12	14	5			4					55	Yes
PH 406	Quantum Mechanics-II			5	2	8	6	10	14	2		7					54	Yes
PH 408	Measurement techniques		7	8	13		13	7	3	2		2					55	Yes
PH 410	Electrodynamics-I		7	6	3	5	12	12	6	2		3					56	Yes
PH 412	General Physics Laboratory-I		10	26	14	2						2					54	Yes
PH 422	Project-II		6	7		1	1		1				1				17	Yes
PH 441	Quantum Computation and Cryptography	1	3	6	8	10	5	5						1	5		44	Yes
PH 446	Fundamentals of Astrophysics		1	4	7	7	26	24	25			2			2		98	Yes
PH 458	Applied superconductivity	1	4	6	12	8	4	4	2	1							42	Yes
PH 462	Quantum Technology and Phenomena in Macroscopic systems			3		2											5	Yes
PH 463	Theory of relativity	1	1	2		2	1	3	1			1					12	Yes
PH 464	Fundamentals of cosmology		4	1	4	5	6	6	10			13			1		50	Yes
PH 466	Advanced Statistical Mechanics		5	3	3	3	10	11	11	1					2		49	Yes
PH 516	Advance Physics Laboratory		16	25	10	1											52	Yes
PH 518	Project-II	3	29	12	6	4											54	Yes
PH 523	Magnetism and Superconductivity		7	6	8	5	12										38	Yes
PH 527	Nanostructured Materials		19	28	7	17	4	8	3						1		87	Yes
PH 534	Fiber Optics			2	1	4	2								1		10	Yes
PH 542	Phase Transitions and critical phenomena	2	1	4	5	2	5	3	2								24	Yes
PH 544	High Energy Physics		1	3	7	4	2	3	2						2		24	Yes
PH 548	Atomistic Simulation Techniques	1	2	5	3	5	1	1							1		19	Yes
PH 702	Statistical methods in Condensed Matter Physics	1	2		2	2											7	Yes
PH 704	Guided and Fourier Wave Optics		2	4	3	4											13	Yes
PH 706	Gravitation and Cosmology		2	2	4	5	4	3	7						4		31	Yes
PH 708	Mini project		22	3	1												26	Yes
RA 505	Robot Sensing and Vision		4	9	6	3						1			2		25	Yes
RA 506	Machine Learning		6	11	1							2					20	Yes
RA 602	Control Engineering for Robotics	1	3	13	9	5	1		1					1	9		43	No
RT 512	Livelihood and Entrepreneurship		1	3	6	1											11	Yes
RT 514	Water Resources Management			3	3	4	1	1									12	Yes
RT 517	Agri-horticultural Produce Processing Technology		1	1	8	3											13	Yes
RT 520	Field Work and Communication		4	6	2												12	Yes
RT 692	Project Phase - II		1	2									8				11	No
SP 697	Project -I		5		2	1											8	Yes