

Course Offering UG 2nd Year and Rest Winter Semester (AY 2020-21)

S.No.	Course Code	Course Name	Instructor	Acronym	Credits	On Offer for	Also Open for	Anti-Requisite
<b>IInd Year Courses</b>								
1	BIO221	Practical Bioinformatics	Tavpritesh Sethi	PB	4	CSB-Core		
2	BIO213	Introduction to Quantitative Biology	Jaspreet Kaur Dhanjal	IQB	4	CSB-Core, CSE,ECE,CSAM-Sci/Bio Elective		
3	CSE202	Fundamentals of Database Systems	Mukesh Mohania	DBMS	4	CSE,CSB,CSSS,CSD-Core, CSAI-Elective		
4	CSE222	Analysis and Design of Algorithms	Syamantak Das	ADA	4	CSE,CSAM,CSSS,CSAI, CSD(one of ADA/ADA(B))-Core		CSE223
5	CSE223	Analysis and Design of Algorithms(B)	Jatin Batra	ADA(B)	4	CSB, CSD(one of ADA/ADA(B))-Core		CSE222
6	CSE322	Theory of Computation	Debajyoti Bera	TOC	4	CSAM-Core, CSE,CSD,CSAI-Elective	UG/PG Elective	
7	CSE342/CSE542	Statistical Machine Learning	A V Subramanyam	SML	4	CSAI Core	UG/PG Elective	
8	ECO221	Econometrics I	Gaurav Arora	ECOI	4	CSSS Core	UG Elective	ECO321
9	MTH377/MTH577	Convex Optimization	Rakesh Chaturvedi	COO	4	CSSS,CSAI Core	UG/PG Elective	
10	ECE214	Integrated Electronics	Mohammad S Hashmi	IE	4	ECE-Core		
11	ECE230	Fields and Waves	Sayak Bhattacharya	FW	4	ECE-Core		
12	ECE240	Principles of Communication Systems	Ranjitha Prasad	PCS	4	ECE-Core, CSE,CSAM-Sci/Bio Elective, CSAI-Elective		
13	MTH204	Maths IV - ODE/PDE	Ashish Kumar Pandey	MIV	4	ECE,CSAM-Core, CSE, CSD,CSAI-Elective		
14	MTH212	Abstract Algebra I	Sneha Chaubey	AAI	4	CSAM-Core		
15	MTH300	Introduction to Mathematical logic	Sankha S Basu	IML	4	CSAI-Elective,CSE,ECE,CSAM-Elective	UG/PG Elective	
16	MTH310	Graph Theory	Samaresh Chatterji(V)	GT	4	CSE,CSSS,CSAI-Elective	UG/PG Elective	
17	MTH372	Statistical Inference	Monika Arora	SI	4	CSAI-Elective	CSAM IIIrd year core, Elective for others	Statistical Computation
18	DES204	Human Computer Interaction	Grace Eden	HCI	4	CSD-Core, CSE,CSSS-Elective		
20	DES205	Design of Interactive Systems(New)	Aman Pamami	DIS	4	CSD-Core		
<b>UG IIIrd, IVth Year and PG Courses</b>								
1	BIO522	Algorithms in Computational Biology	Debarika Sengupta	ACB	4	UG/PG		
2	BIO531	Introduction to Mathematical Biology	Sriram K	IMB	4	UG/PG		
3	BIO534	Introduction to Computational Neuroscience	Sriram K	ICN	4	UG/PG		
4	BIO541	Data Sciences for Genomics	Vibhor Kumar	DSG	4	UG/PG		
5	BIO543	Big Data Mining in Healthcare	G P S Raghava	BDMH	4	UG/PG		
6	BIO545	Biostatistics	Gaurav Ahuja	BStats	4	UG/PG		
7	BIO563	Computer Aided Drug Design	Arjun Ray	CADD	4	UG/PG		
8	CSE343/ECE363/ ECE563	Machine Learning	Saket Anand	ML	4	UG/PG		CSE543
9	CSE344/CSE544/ ECE344/ECE544	Computer Vision	Koteswar Rao Jerripothula	CV	4	UG/PG		
10	CSE354/CSE554	Networks and System Security II (New)	Sambuddho Chakravarty	NSSII	4	UG/PG		
11	CSE502	Foundations of Parallel Programing	Vivek Kumar	FPP	4	UG/PG		
12	CSE504	Decision Procedures	Rahul Purandare	DP	4	UG/PG		
13	CSE508	Information Retrieval	Rajiv Ratn Shah	IR	4	UG/PG		
14	CSE516/ECE559	Theories of Deep Learning(New)	Vinayak Abrol	TDL	4	UG/PG		
15	CSE528	Introduction to Blockchain and Cryptocurrency (New)	Donghoon Chang	IBC	4	UG/PG		
16	CSE535	Mobile computing	Mukulika Maity	MC	4	UG/PG		
17	CSE538/ECE538	Wireless Network	Arani Bhattacharya	WN	4	UG/PG		
18	CSE557	Big Data analytics	Vikram Goyal	BDA	4	UG/PG		
19	CSE559	Mining Large Networks	Tanmoy Chakraborty	MLN	4	UG/PG		
20	CSE560	GPU Computing	Ojaswa Sharma	GPU	4	UG/PG		
21	CSE561	Probabilistic Graphical Methods	Anubha Gupta	PGM	4	UG/PG		
22	CSE583	Software Development using Open Source	Pankaj Jalote	SDOS	4	UG/PG		
23	CSE609	Statistical Computation	Vibhor Kumar	Scomp	4	UG/PG		
24	CSE631	Advanced Operating Systems	Piyus Kedia	AOS	4	UG/PG		
25	CSE640	Collaborative Filtering	Angshul Majumadar	CF	4	UG/PG		
26	CSE641	Deep Learning	Md. Shad Akhtar	DL	4	UG/PG		
27	CSE648	Privacy and Security in Online Social Media	Ponnuramgum Kumaraguru	PSOSM	4	UG/PG		
28	CSE655	Network Science	Ganesh Bagler	NS	4	UG/PG		BIO571
29	CSE660	Trustworthy AI Systems (New)	C Anantram (V)	TAIS	4	UG/PG		CSE660A
30	CSE661/DES507	Affective Computing	Jainendra Shukla	AFC	4	UG/PG		
31	CSE663A	Meta-learning(New)	Gautam Shroff	MEL	2	UG/PG		

32	DES302	Animations & Graphics	Manohar Khushlani	AG	4	UG/PG		
33	DES502	Introduction to 2D Animation	Anoop Ratnv (V)	I2D	4	UG/PG		
34	DES503	Introduction to 3D Character Animation	Anoop Ratnv (V)	I3D	4	UG/PG		
35	DES504	Narratives in Visual Communication (New)	Indrani De Parker (V)	NVC	4	UG/PG		
36	DES506	Advanced Topics in Human-Centered Computing	Pushpendra Singh	ATHCC	4	UG/PG		
37	DES512	Game Design and Development	Aman Samuel (V)	GDD	4	UG/PG		
38	DES521	Fundamentals of Video for Engineers(New)	Angshu Das (V)	FVE	4	UG/PG		
39	ECE412/ECE612	Mixed Signal Design	G S Visweswaran(V)	MSD	4	UG/PG		
40	ECE432/ECE632	Radar Systems	Shobha Sundaram	RS	4	UG/PG		
41	ECE452/ECE552	Statistical Signal Processing	Pravesh Biyani	SSP	4	UG/PG		
42	ECE513	VLSI Design Flow	Sneh Saurabh	VDF	4	UG/PG		
43	ECE520	Low Voltage Circuit Design	S S Jamuar	LVCD	4	UG/PG		
44	ECE532	Next Generation Optical Networks(New)	Abhijit Mitra(V)	NGON	4	UG/PG		
45	ECE533	Satellite Navigation and Sensor Fusion	Sanat K Biswas	SNSF	4	UG/PG		
46	ECE534	Optical Communications Systems	Anand Srivastava	OCS	4	UG/PG		
47	ECE537	Wireless Communication: Evolution from 3G to 5G	Vivek Bohara	WCE	4	UG/PG		
48	ECE541	Modeling and Analysis of Random 5G Network	Gourab Ghatak	5GN	4	UG/PG		
49	ECE573	Advanced Embedded Logic Design	Sumit Darak	AELD	4	UG/PG		
50	ECE577	Machine Learning Techniques for Real Time Control	Sayan Basu Roy	MLRC	4	UG/PG		
51	ECE611	Memory Design and Test	Anuj Grover	MDT	4	UG/PG		
52	ECO312/ECO512	Industrial Organization	Kiriti Kanjilal	IO	4	UG/PG		
53	ECO332	Valuation and Portfolio Management	Pankaj Vajpayee (V)	VPM	4	UG/PG		
54	ENG599s	Research Methods	Sanat K Biswas	RM	2	PG		
55	ENT413	Entrepreneurial Finance (New)	Pankaj Vajpayee (V)	EF	4	UG/PG		
56	ENT414	Relevance of Intellectual Property for Startups (New)	Amit Shukla (G)	RIPS	4	UG/PG		
57	ENT415	New Venture Planning (New)	Priyank Narayan (G)	NVP	4	UG/PG		
58	ENT416/ENT516	Creativity, Innovation, and Inventive Problem Solving (New)	Anuj Grover+Anupam Soranwala(V)	CIIPS	4	UG/PG		
59	MTH311	Combinatorics and its applications	Samrith Ram	CIA	4	UG		
60	MTH374/MTH574	Linear Optimization	Subhashree Mohapatra	LO	4	CSAM IIIrd yr-Core, Elective for all others		
61	MTH510	Advanced Linear Algebra	Debika Banerjee	ALA	4	UG/PG		
62	MTH513	Abstract Algebra-II	Anuradha Sharma	AAII	4	UG/PG		
63	MTH544	Calculus on R^n with Applications	Kaushik Kalyanaraman	CRN	4	UG/PG		
64	MTH599	Variational Calculus and their Applications in Control Theory and Nanomechanics	Sarthok Sircar	VCA	4	UG/PG		
65	MTH535	Measure and Probability Theory(New)	Shilpak Banerjee	MPT	4	UG/PG		
66	PSY301	Cognitive Psychology	Sonia Baloni Ray	CP	4	UG/PG		
67	PSY302	Social Psychology	Venkata Ratnadeep Suri	SP	4	UG/PG		
68	PSY306	Learning and Memory	Minmoy Chakrabarty	LM	4	UG/PG		
69	SOC207	Information Technology and Society	Amrit Srinivasan (V)	ITS	4	UG		
70	SOC312/SOC502	Advanced Sociological Theory (New)	Gayatri Nair	AST	4	UG/PG		
71	SOC313/SOC503	Sociology of India: Themes and Perspectives(New)	Smriti Singh	SoI	4	UG/PG		
72	SSH224	Computer, Information Ethics and Society	Shweta Singh (L)	CIES	4	UG		
73	SSH321	Applied Ethics	Manohar Kumar	AE	4	UG/PG		
74	SSH324	Philosophy of Mind (New)	Nishad Patnaik	PM	4	UG/PG		

#### Online Courses

S.No.	Course Code	Course Name	Instructor	Credits	Link to the course	Remarks
1	ESC999A	Aircraft Design	Gourab Ghatak	2	<a href="https://onlinecourses.nptel.ac.in/noc21_ae04/preview">https://onlinecourses.nptel.ac.in/noc21_ae04/preview</a>	1. For these courses, registration on SWAYAM portal and appearing for exams conducted by SWAYAM is compulsory. 2. PG students can take these courses only as Independent Study
2	ESC999A2	Lighter than Air Systems		2	<a href="https://onlinecourses.nptel.ac.in/noc21_ae07/preview">https://onlinecourses.nptel.ac.in/noc21_ae07/preview</a>	
3	BIO999B	BioPhotonics		1	<a href="https://onlinecourses.nptel.ac.in/noc21_ge13/preview">https://onlinecourses.nptel.ac.in/noc21_ge13/preview</a>	
4	CSE999A	Cloud Computing and Distributed Systems		2	<a href="https://onlinecourses.nptel.ac.in/noc21_cs15/preview">https://onlinecourses.nptel.ac.in/noc21_cs15/preview</a>	
5	CSE999A2	Randomized Methods in Complexity		2	<a href="https://onlinecourses.nptel.ac.in/noc21_cs53/preview">https://onlinecourses.nptel.ac.in/noc21_cs53/preview</a>	
6	CSE999B	Software Testing		1	<a href="https://onlinecourses.nptel.ac.in/noc21_cs13/preview">https://onlinecourses.nptel.ac.in/noc21_cs13/preview</a>	
7	DES999A	Design, Technology and Innovation		2	<a href="https://onlinecourses.nptel.ac.in/noc21_de03/preview">https://onlinecourses.nptel.ac.in/noc21_de03/preview</a>	
8	ECE999A	Sensors and Actuators		2	<a href="https://onlinecourses.nptel.ac.in/noc21_ee32/preview">https://onlinecourses.nptel.ac.in/noc21_ee32/preview</a>	
9	ECE999A2	Fundamental of Power Electronics		2	<a href="https://onlinecourses.nptel.ac.in/noc21_ee01/preview">https://onlinecourses.nptel.ac.in/noc21_ee01/preview</a>	
10	ECE999A3	Applied Linear Algebra for Signal Processing, Data		2	<a href="https://onlinecourses.nptel.ac.in/noc21_ee33/preview">https://onlinecourses.nptel.ac.in/noc21_ee33/preview</a>	
11	ESC999A3	Quantum Mechanics I		2	<a href="https://onlinecourses.nptel.ac.in/noc21_ph04/preview">https://onlinecourses.nptel.ac.in/noc21_ph04/preview</a>	

**B.Tech. 2nd Year - Winter Semester (AY 2020-21)**

Day	9-9.30	9.30-10	10-10.30	10.30-11	11-11.30	11.30-12	12-12.30	12.30-1	1-1.30	1.30-2	2-2.30	2.30-3	3-3.30	3.30-4	4-4.30	4.30-5	5-5.30	5.30-6	6-6.30	6.30-7	
Mon	Tut M-IV ~			PCS ~ DIS ~ Tut ADA Gp1			Tut IE Gp1/2 ~ PB ~ HCI ~			<b>L U N C H</b>		F&W ~ DBMS ~		IML ~ AST ~							
Tue	TOC ~ IE ~ LM ~			ADA ~ ADA(B) ~ Tut PCS			M-IV ~						IQB ~ EcoI ~ SML ~ SP ~		SI ~ GT ~ Tut ADA(B) Gp2 Tut ADA Gp2			Tut AAI			
Wed	COO ~ AAI ~ Tut ADA(B) Gp1			PCS ~ DIS ~			Tut F&W Gp 1/2 ~ Tut AAI ~						Tut IML ~ Tut TOC ~		Seminar			Tut DBMS			
Thurs	TOC ~ IE ~ LM ~			Tut GT ~			PB ~ HCI ~ Lab IE Gp 1/2 ~						F&W ~ DBMS ~		IML ~ AST ~						
Fri	COO ~ AAI ~			ADA ~ ADA(B) ~			M-IV ~						IQB ~ EcoI ~ SML ~ SP ~		SI ~ GT ~						
Day	9-9.30	9.30-10	10-10.30	10.30-11	11-11.30	11.30-12	12-12.30	12.30-1	1-1.30	1.30-2	2-2.30	2.30-3	3-3.30	3.30-4	4-4.30	4.30-5	5-5.30	5.30-6	6-6.30	6.30-7	

*Duration of the Lectures will be 50 mins and 80 mins*

Course No.	Course Name	Instructor	Acronym	Credits	On offer for
BIO213	Introduction to Quantitative Biology	Jaspreet Kaur Dhanjal	IQB	4	CSB-Core, CSE,ECE,CSAM-Sci/Bio Elective
BIO221	Practical Bioinformatics	Tavpritesh Sethi	PB	4	CSB-Core
CSE202	Fundamentals of Database Systems	Mukesh Mohania	DBMS	4	CSE,CSB,CSSS,CSD-Core, CSAI-Core Elective,CSAM-Elective
CSE222	Analysis and Design of Algorithms	Syamantak Das	ADA	4	CSE,CSAM,CSSS,CSAI-Core, CSD-Core Elective
CSE223	Analysis and Design of Algorithms(B)	Jatin Batra	ADA(B)	4	CSB-Core, CSD-Core Elective
CSE322	Theory of Computation	Debajyoti Bera	TOC	4	CSAM-Core, CSE,CSD,CSAI-Core Elective
CSE342	Statistical Machine Learning	A V Subramanyam	SML	4	CSAI Core
DES204	Human Computer Interaction	Grace Eden	HCI	4	CSD-Core, CSE-Core Elective,CSSS-Elective
DES205	Design of Interactive Systems	Aman Parnami	DIS	4	CSD-Core
ECE214	Integrated Electronics	Mohammad S Hashmi	IE	4	ECE-Core
ECE230	Fields and Waves	Sayak Bhattacharya	FW	4	ECE-Core
ECE240	Principles of Communication Systems	Ranjitha Prasad	PCS	4	ECE-Core, CSE,CSAM-Sci/Bio Elective
ECO221	Econometrics 1	Gaurav Arora	ECOI	4	CSSS Core, CSD-SSH Elective
MTH204	Maths IV - ODE/PDE	Ashish Kumar Pandey	MIV	4	ECE,CSAM-Core, CSE,CSD,CSAI-Core Elective
MTH212	Abstract Algebra I	Sneha Chaubey	AAI	4	CSAM-Core, CSE-Sci/Bio Elective
MTH300	Introduction to Mathematical logic	Sankha Basu	IML	4	CSAI-Core Elective,CSE,ECE,CSAM-Sci/Bio Elective
MTH310	Graph Theory	Samaresh Chatterji	GT	4	CSE,CSAI-Core Elective,CSSS-Elective, CSAM, ECE-Sci/Bio Elective
MTH372	Statistical Inference	Monika Arora	SI	4	CSAI-Core Elective
MTH377	Convex Optimization	Rakesh Chaturvedi	COO	4	CSSS,CSAI Core
PSY302	Social Psychology	Venkat Ratandeeep Suri	SP	4	CSD-SSH Elective
PSY306	Learning and Memory	Mrinmoy Chakrabarty	LM	4	CSD-SSH Elective
SOC312	<b>Advanced Sociological Theory (New)</b>	Gayatri Nair	AST	4	CSD-SSH Elective
Core:	These courses are the mandatory courses				
Core Electives:	These courses are such courses where students have a choice to choose from a set of courses				
Sci/Bio Electives:	These courses are Sci/Bio electives from which students are required to one course				
Electives:	These courses are elective courses				
SSH Electives:	These courses are SSH elective courses				

**Note: To have a better understanding about branch specific core and elective courses, please check the program specific regulations before registering the courses on ERP.**

**B.Tech. 3rd & 4th Year, M.Tech 1st & 2nd year, Ph.D - Winter Semester (AY 2020-21)**

Day	9-9:30	9:30-10	10-10.30	10.30-11	11-11.30	11.30-12	12-12.30	12.30-1	1-1.30	1:30-2	2-2.30	2.30-3	3-3.30	3.30-4	4-4.30	4.30-5	5-5.30	5:30-6	6-6:30	6:30-7	
Mon	DSG MPT ML IO EF			BDMH DP Scomp ATHCC SSP RIPS CP			RM					WN DL LVCD CIES RS CADD			MC PGM MSD 5GN LO AST IML NSSII						
Tue	TOC IR NS FVE OCS LM ICN IBC			ACB AE PSOSM AG MDT CRN AAII TAIS			VCA CV SDOS I2D PM Sol					BStats SP NVP GDD SNSF MLRC MLN SML AOS Ecol			GT SI IMB I3D FPP AELD VPM						
Wed	GPU AFC VDF ALA COO NGON			DSG MPT ML IO EF			CF BDA NVC WCE CIA ITS TDL								Seminar Slot						
Thurs	TOC IR NS FVE OCS LM ICN IBC			BDMH DP Scomp ATHCC SSP RIPS CP			VCA CV SDOS I2D PM Sol					WN DL LVCD CIES RS CADD			MC PGM MSD 5GN LO AST IML NSSII						
Fri	GPU AFC VDF ALA COO NGON			ACB AE PSOSM AG MDT CRN AAII TAIS			CF BDA NVC WCE CIA ITS TDL					BStats SP NVP GDD SNSF MLRC MLN SML AOS Ecol			GT SI IMB I3D FPP VPM						
Sat												CIIPS									

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*Duration of the Lectures will be 50 mins and 80 mins*

Course No.	Course Name	Instructor	Acronym	Credits	On offer for
BIO522	Algorithms in Computational Biology	Debarka Sengupta	ACB	4	UG/PG

BIO531	Introduction to Mathematical Biology	Sriram K	IMB	4	UG/PG
BIO534	Introduction to Computational Neuroscience	Sriram K	ICN	4	UG/PG
BIO541	Data Sciences for Genomics	Vibhor Kumar	DSG	4	UG/PG
BIO543	Big Data Mining in Healthcare	G P S Raghava	BDMH	4	UG/PG
BIO545	Biostatistics	Gaurav Ahuja	BStats	4	UG/PG
BIO563	Computer Aided Drug Design	Arjun Ray	CADD	4	UG/PG
CSE322	Theory of Computation	Debajyoti Bera	TOC	4	UG/PG
CSE343/ECE363/ ECE364	Machine Learning	Saket Anand	ML	4	UG/PG
CSE342/CSE542	Statistical Machine Learning	A V Subramanyam	SML	4	UG/PG
CSE344/CSE544/ ECE345	Computer Vision	Koteswar Rao Jerripothula	CV	4	UG/PG
CSE354/CSE554	Networks and System Security II (New)	Sambuddho Chakravarty	NSSII	4	UG/PG
CSE502	Foundations of Parallel Programing	Vivek Kumar	FPP	4	UG/PG
CSE504	Decision Procedures	Rahul Purandare	DP	4	UG/PG
CSE508	Information Retrieval	Rajiv Ratn Shah	IR	4	UG/PG
CSE516/ECE559	Theories of Deep Learning (New)	Vinayak Abrol	TDL	4	UG/PG
CSE528	Introduction to Blockchain and Cryptocurrency (New)	Donghoon Chang	IBC	4	UG/PG
CSE535	Mobile computing	Mukulika Maity	MC	4	UG/PG
CSE538/ECE538	Wireless Network	Arani Bhattacharya	WN	4	UG/PG
CSE557	Big Data analytics	Vikram Goyal	BDA	4	UG/PG
CSE559	Mining Large Networks	Tanmoy Chakraborty	MLN	4	UG/PG
CSE560	GPU Computing	Ojaswa Sharma	GPU	4	UG/PG
CSE561	Probabilistic Graphical Methods	Anubha Gupta	PGM	4	UG/PG
CSE583	Software Development using Open Source	Pankaj Jalote	SDOS	4	UG/PG
CSE609	Statistical Computation	Vibhor Kumar	Scomp	4	UG/PG
CSE631	Advanced Operating Systems	Piyus Kedia	AOS	4	UG/PG
CSE640	Collaborative Filtering	Angshul Majumadar	CF	4	UG/PG
CSE641	Deep Learning	Md. Shad Akhtar	DL	4	UG/PG
CSE648	Privacy and Security in Online Social Media	Ponnurangam Kumaraguru	PSOSM	4	UG/PG
CSE655	Network Science	Ganesh Bagler	NS	4	UG/PG
CSE660	Trustworthy AI Systems (New)	C Anantram(V)	TAIS	4	UG/PG
CSE661/DES507	Affective Computing	Jainendra Shukla	AFC	4	UG/PG
CSE663A	Meta-learning	Gautam Shroff(G)	MEL	2	UG/PG
DES302	Animations & Graphics	Manohar Khushlani	AG	4	UG/PG
DES502	Introduction to 2D Animation	Anoop Ratn (V)	I2D	4	UG/PG
DES503	Introduction to 3D Character Animation	Anoop Ratn (V)	I3D	4	UG/PG
DES504	Narratives in Visual Communication (New)	Indrani De Parker (V)	NVC	4	UG/PG
DES506	Advanced Topics in Human-Centered Computing	Pushpendra Singh	ATHCC	4	UG/PG
DES512	Game Design and Development	Aman Samuel (V)	GDD	4	UG/PG
DES521	Fundamentals of Video for Engineers(New)	Angshu Das (V)	FVE	4	UG/PG
ECE412/ECE612	Mixed Signal Design	G S Visweswaran	MSD	4	UG/PG
ECE432/ECE632	Radar Systems	Shobha Sundaram	RS	4	UG/PG
ECE452/ECE552	Statistical Signal Processing	Pravesh Biyani	SSP	4	UG/PG
ECE513	VLSI Design Flow	Sneh Saurabh	VDF	4	UG/PG
ECE520	Low Voltage Circuit Design	S S Jamuar	LVCD	4	UG/PG
ECE532	Next Generation Optical Networks(New)	Abhijit Mitra(V)	NGON	4	UG/PG
ECE533	Satellite Navigation and Sensor Fusion	Sanat K Biswas	SNSF	4	UG/PG
ECE534	Optical Communications Systems	Anand Srivastava	OCS	4	UG/PG
ECE537	Wireless Communication: Evolution from 3G to 5G	Vivek Bohara	WCE	4	UG/PG
ECE541	Modeling and Analysis of Random 5G Network	Gourab Ghatak	5GN	4	UG/PG
ECE573	Advanced Embedded Logic Design	Sumit Darak	AELD	4	UG/PG
ECE577	Machine Learning Techniques for Real Time Control	Sayan Basu Roy	MLRC	4	UG/PG

Course will commence from 15 Feb, 21

ECE611	Memory Design and Test	Anuj Grover	MDT	4	UG/PG
ECO221	Econometrics I	Gaurav Arora	ECOI	4	UG
ECO312/ECO512	Industrial Organization	Kiriti Kanjilal	IO	4	UG/PG
ECO332	Valuation and Portfolio Management	Pankaj Vajpayee (V)	VPM	4	UG/PG
ENG599s	Research Methods	Sanat K Biswas	RM	2	PG
ENT413	Entrepreneurial Finance (New)	Pankaj Vajpayee (V)	EF	4	UG/PG
ENT414	Relevance of Intellectual Property for Startups (New)	Amit Shukla (G)	RIPS	4	UG/PG
ENT415	New Venture Planning (New)	Priyank Narayan (G)	NVP	4	UG/PG
ENT416/ENT516	Creativity, Innovation, and Inventive Problem Solving (New)	Anuj Grover+Anupam Soranwala(V)	CIIPS	4	UG/PG
MTH300	Introduction to Mathematical logic	Sankha S Basu	IML	4	UG/PG
MTH310	Graph Theory	Samresh Chatterji	GT	4	UG/PG
MTH311	Combinatorics and its applications	Samrith Ram	CIA	4	UG/PG
MTH372	Statistical Inference	Monika Arora	SI	4	CSAM IIIrd year core, UG/PG Elective
MTH374/MTH574	Linear Optimization	Subhashree Mohapatra	LO	4	
MTH377/MTH577	Convex Optimization	Rakesh Chaturvedi	COO	4	UG/PG
MTH510	Advanced Linear Algebra	Debika Banerjee	ALA	4	UG/PG
MTH513	Abstract Algebra-II	Anuradha Sharma	AAII	4	UG/PG
MTH544	Calculus on $R^n$ with Applications	Kaushik Kalyanaraman	CRN	4	UG/PG
MTH599	Variational Calculus and their Applications in Control Theory	Sarthok Sircar	VCA	4	UG/PG
MTH535	Measure and Probability Theory(New)	Shilpak Banerjee	MPT	4	UG/PG
PSY301	Cognitive Psychology	Sonia Baloni Ray	CP	4	UG/PG
PSY302	Social Psychology	Venkata Ratnadeep Suri	SP	4	UG/PG
PSY306	Learning and Memory	Mrinmoy Chakrabarty	LM	4	UG/PG
SOC207	Information Technology and Society	Amrit Srinivasan (V)	ITS	4	UG
SOC312/SOC502	Advanced Sociological Theory (New)	Gayatri Nair	AST	4	UG/PG
SOC313/SOC503	Sociology of India: Themes and Perspectives(New)	Smriti Singh	SoI	4	UG/PG
SSH224	Computer, Information Ethics and Society	Shweta Singh (L)	CIES	4	UG
SSH321	Applied Ethics	Manohar Kumar	AE	4	UG/PG
SSH324	Philosophy of Mind (New)	Nishad Patnaik	PM	4	UG/PG

**Note: To have a better understanding about branch specific core and elective courses, students are requested to check their program specific regulations before registering the courses on ERP.**