			ĺ		Name of the			
		Units	Course		Instructor In-			Tutorial/Lab
Dept	Course No	(Credits)	Туре	Course Title	charge	Remarks, if any	Lecture Schedule	Schedule
		,		Compressible				
AE	AE311A	3-0-0-0(9)		Aerodynamics	Prof. Arunkumar P	Only for graduating students	MWF 8:00-10:00	
				Gas Turbine				
AE	AE341A	3-0-0-2(11)		Propulsion	Prof. A. Kushari	Only for graduating students	MWF 16:00-18:00	
				Experiments in				
				Flight				Th14:00-
AE	AE421A	1-0-2-0(3)		Mechanics		Only for graduating students	M 12:00-13:00	16:00
					_			
AE	AE471A	0-0-0-0(9)		B. Tech project	ARGHODE	Only for graduating students		
AE	AE621A	3-0-0-0(09)		Turbulence	Prof. A. C. Mondal	Only for graduating students	MTTh 10:00-12:00	
				Principles of	Prof. Ashwani			
BSBE	ESO206A	3-0-0-0(9)		Biotechnology	Kumar Thakur	NA	MTTh 10:00-12:00	
CE	CE361A	2-0-0-0(6)		Engg Hydrology	Prof. G. Pahar	Course will be offered in the online mode only if any of the three graduating students opt for it (instead of electing for a course waiver). Otherwise, it is being offered in 2021-22-I.	WF 10:00-12:00	
CF	CE441B {Modular(E ntire duration of summer)}	3-0-0-0(5)	OF	Construction	Prof Sudhir Misra	1. Offered as an open elective. 2. There will be no prerequisites for the course except that the student should have spent at least two years at IIT Kanpur. 3. Available to CE students (17*** and earlier ONLY) also as a Department compulsory course. [Other CE students (18***, etc) will be permitted to register only upon specific permission of the DUGC, CE] 4. The course will be offered in asynchronous mode on the hellow.iitk.ac.in portal. 5. Recorded material available on the NPTEL site will be used as the basic lecture materials and two discussion hours every week will be scheduled as follows: a) discussion with the instructor b) discussion in smaller groups with graduate students who will act as Tutors/TAs for the co TAs will be needed at approximately one per 20	MWF 12·∩∩-13·∩∩	
	AE AE AE AE BSBE	AE AE311A  AE AE341A  AE AE421A  AE AE621A  BSBE ESO206A  CE CE361A  CE441B {Modular(E ntire duration of	Dept         Course No         (Credits)           AE         AE311A         3-0-0-0(9)           AE         AE341A         3-0-0-2(11)           AE         AE421A         1-0-2-0(3)           AE         AE471A         0-0-0-0(9)           AE         AE621A         3-0-0-0(9)           CE         CE361A         2-0-0-0(6)           CE441B {Modular(E ntire duration of         CE441B	Dept         Course No         (Credits)         Type           AE         AE311A         3-0-0-0(9)           AE         AE341A         3-0-0-2(11)           AE         AE421A         1-0-2-0(3)           AE         AE471A         0-0-0-0(9)           AE         AE621A         3-0-0-0(9)           BSBE         ESO206A         3-0-0-0(9)           CE         CE361A         2-0-0-0(6)           CE441B {Modular(E ntire duration of         CE441B	DeptCourse No(Credits)TypeCourse TitleAEAE311A3-0-0-0(9)AerodynamicsAEAE341A3-0-0-2(11)PropulsionAEAE421A1-0-2-0(3)Experiments in Flight MechanicsAEAE471A0-0-0-0(9)B. Tech projectAEAE621A3-0-0-0(09)TurbulenceBSBEESO206A3-0-0-0(9)BiotechnologyCECE361A2-0-0-0(6)Engg Hydrology	Dept Course No (Credits) Type Course Title charge  Compressible Aerodynamics Prof. Arunkumar P  AE AE311A 3-0-0-2(11) Gas Turbine Propulsion Prof. A. Kushari  Experiments in Flight Mechanics Prof. A. K. Ghosh PROF. VAIBHAV K ARGHODE  AE AE421A 1-0-2-0(3) Turbulence Prof. A. C. Mondal  BSBE ESO206A 3-0-0-0(9) Turbulence Prof. A. C. Mondal  BSBE ESO206A 3-0-0-0(9) Biotechnology Kumar Thakur  CE CE361A 2-0-0-0(6) Engg Hydrology Prof. G. Pahar  CE441B  {Modular(E ntire duration of Construction Cons	Dept Course No (Credits) Type Course Title charge Remarks, if any  Compressible Aerodynamics Prof. Arunkumar P Only for graduating students  AE AE311A 3-0-0-2(11) Gas Turbine Propulsion Prof. A. Kushari Only for graduating students  AE AE421A 1-0-2-0(3) Experiments in Flight Mechanics Prof. A. K. Ghosh Only for graduating students  AE AE471A 0-0-0-0(9) B. Tech project ARGHODE Only for graduating students  AE AE621A 3-0-0-0(9) Turbulence Prof. A. C. Mondal Only for graduating students  AE AE621A 3-0-0-0(9) Frinciples of Biotechnology Biotechnology Brof. A. C. Mondal Only for graduating students  CE CE361A 2-0-0-0(6) Engg Hydrology Prof. G. Pahar Course will be offered in the online mode only if any of the three graduating students opt for it (instead of electric for a course waver). Otherwise, it is being offered in 2011-22-1.  CE CE361A	Dept Course No (Credits) Type Course Title charge Remarks, if any Lecture Schedule  Compressible AE AE311A 3-0-0-0(9) Compressible Aerodynamics Prof. Arunkumar P Aerodynamics Prof. Arunkumar P Only for graduating students MWF 8:00-10:00  AE AE341A 3-0-0-2(11) Prof. A. K. School Prof. A. S

					1	1		1	
							This course does not have any prerequisite and is offered for UG and PG students		
							Course is offered for students in Civil Engg. and		
							other departments		
							Course is offered as a DE as well as OE		
							The course will be offered in asynchronous mode in		
							hello.iitk.ac.in portal. The institute should confirm the		
							availability of this portal.		
							The number of TAs provided is based on the		
							minimum limit of 60 students in class.		
							Two discussion hours every week will be scheduled		
							as follows:		
							a) discussion with the instructor     b) discussion in smaller groups with graduate students		
							who will act as Tutors/TAs for the course		
							TAs will be needed at approximately one per 20		
		CE641A			PROJECT		registered students		
9			0.000(07)				Additional TAs may be required if the strength		
	CE	(Modular)	3-0-0-0(05)	DE, OE	MANAGEMENT	Prof. K.V.HARISH	exceeds 60	T, Th 12:00-13:30	
							This course does not have any prerequisite and is		
							offered for UG and PG students		
							Course is offered for students in Civil Engg. and other departments		
							Course is offered as a DE as well as OE		
							The course will be offered in asynchronous mode in		
							hello.iitk.ac.in portal. The institute should confirm the		
							availability of this portal. The number of TAs provided		
							is based on the minimum limit of 60 students in class.		
							Two discussion hours every week will be scheduled		
							as follows:		
							c) discussion with the instructor d) discussion in smaller groups with graduate students		
							who will act as Tutors/TAs for the course		
							TAs will be needed at approximately one per 20		
		CEC 42D			INIEDACTDUICTU		registered students.		
10		CE643B			INFRASTRUCTU		Additional TAs may be required if the strength		
	CE	(Modular)	3-0-0-0(05)	DE, OE	RE FINANCING	Prof. K.V.HARISH	exceeds 60	MWF 17:00-18:00	
					Humans,				
					Environment,				
					and Sustainable		The course is open to all students (UG or PG) of all		
11			0.0.0.0(0)				branches. It is a nine-credit course with three lectures		
	CE	CE663A	3-0-0-0(9)	OE	Development	Prof. Abhishek	per week and no tutorial or lab.	MTTh 14:00-16:00	
12					M.Tech -	DPGC Convener			
12	CE	CE697A	0-0-0-0(0)		Seminar I	(Prof. K.V.Harish)			
13					M.Tech -	DPGC Convener			
	CE	CE698A	0-0-0-0(0)		Seminar II	(Prof. K.V.Harish)			
14						DPGC Convener			
	CE	CE797A	0-0-0-0(0)		Ph.D - Seminar I	(Prof. K.V.Harish)			

								1	
15						DPGC Convener			
	CE	CE798A	0-0-0-0(0)		Ph.D - Seminar II	(Prof. K.V.Harish)			
16	C.E.	CE0074	0.0.0.0(0)		MCD Cominged	DPGC Convener			
	CE	CE897A	0-0-0-0(0)		MSR - Seminar I	(Prof. K.V.Harish)			
17	0.5	050004	0.0.0.0(0)			DPGC Convener			
	CE	CE898A	0-0-0(0)		MSR - Seminar II	Prof. K.V.Harish)			
						DUGC Convener			
18	CF.	CE 404 A	0.0.0.0(0)	ם ה	Undergraduate	(Prof. Abhas			
	CE	CE491A	0-0-0-0(9)	DE-B	Research II	Singh)			
						DUGC Convener			
19	CF.	CE 402 A	0.0.0.0(0)	ם ה	Undergraduate	(Prof. Abhas			
	CE	CE492A	0-0-0-0(9)	DE-B	Research III	Singh)			
				Extra					
				credit;					
				does					
				not		DUGC Convener			
				count towards	Undergraduate	(Prof. Abhas			
20	CE	CE493A	0-0-0-0(9)	DE/OE	Research IV	Singh)			
	CL	CL493A	0-0-0-0(9)	DL/OL	Mechanics of	Prof. Suparno	Only for students with backlog in this		
21	CE	ESO202A	3-1-0-0(11)	ESO	Solids	Mukhopadhyay	course during 2020-21 Sem I or Sem II.	MTTH 10:00-12:00	T: W 10:00-
21	CL	L3OZOZA	3-1-0-0(11)	130	Jolius	iviakiiopaaiiyay	course during 2020-21 Seni For Seni II.	1011111 10.00-12.00	12:00
				DE(for					
				cgs					
				student					
				s),	Foundations of				
22				OE(for	Cognitive				
	CGS	CGS601A	3-0-0-0(9)	others)	Psychology	Prof. Ark Verma	To be Offered as OE for Non-CGS students.	MTTh 10:00-12:00	
				DE(for					
				cgs					
				student					
				s),	Topics in				
23				OE(for	Psychology of		To be Offered as OE for Non-CGS students. And DE for		
	CGS	CGS698A	3-0-0-0(9)	others)	Language	Prof. Ark Verma	CGS Students.	MTTh 14:00-16:00	
					Heat Transfer	Prof.			
24					and its	Harshwardhan			
	CHE	CHE312A	3-0-0-0(9)		Application	Katkar		MTTh 10:00-12:00	

						<u> </u>		
				Chemical				
CHE	CHE453T	3-0-0-0(9)		Design	Mangal		MWF 16:00-18:00	
					Prof. Sri			
				Unit Operations	SivaKumar &			
				•	Prof.			
					Harshwardhan			
CHE	CHE492A	1-0-3-2(08)			Katkar			
		, ,		•				
CHE	CHE635A	3-0-0-0(09)			Prof. Raj Pala		MTTh 14:00-16:00	
		,			•			
CHE	CHE398A	0-0-9-0(9)	UGP		•			
		. ,						
CHE	CHE497A	0-0-9-0(9)	UGP		•			
		. ,		Basic Inorganic				
СНМ	CHM341A	3-0-0-0(9)	OE	_	•	OE	MTTh 10:00-12:00	
		. ,		•		Float only as DC course{This course is mandatory for		
				Inorganic				MTWTHF
				_		template)}		
	CHM344A/			•	Prof. Ritika			14:00-17:00
СНМ	•	0-0-6-0(06)	DC	•				
C11111	C	0 0 0 0(00)		•		wito normany do the course in the third year.		
СНМ	CHM402A	3-0-0-0(09)	OF	_	Prof. Anand Singh	OF	MTTh 14:00-16:00	
Cilivi	CITIVI 1027	3 0 0 0(03)	02	•		OL .	101111111111111111111111111111111111111	
СНМ	CHM626A	3-0-0-0(9)					MTTh 14·00-16·00	
511171	C. 114102011	2 2 2 3 3 3		•				
СНМ	CHM6364	3-0-0-0(09)	OF		Prof. Pratik Sen	OF	MWF 16:00-18:00	
CITIVI	31111133071	2 2 2 3 (03)		ococnemistry	O acik Scii	- OL	10.00 10.00	
CSE	CS202A	3-0-0-0(5)			Prof. Anil Seth		MWF 08:00-10:00	
			HSS-I,	Introduction to	Prof. Debayan	To be offered as HSS-L OF pre-recorded lectures with		T 08:00-
ECO	ECO101A	3-1-0-0(11)	OE	Economics	Pakrashi	discussion hours & tutorials.	MWF 08:00-10:00,	10:00
				Microeconomics	Prof. Deep			
ECO	ECO201A	3-0-0-0(9)		1	Mukherjee	pre-recorded lectures with discussion hours	MTTh 10:00-12:00	
				Introduction to				
				Mathematical				
	ECO261A	3-0-0-0(9)					MWF 17:00-19:00	
	CHE CHE CHM CHM CHM CHM CHM CHM CHM	CHE CHE492A  CHE CHE635A  CHE CHE398A  CHE CHE497A  CHM CHM242A/ CHM CHM341A  CHM CHM343A  CHM CHM402A  CHM CHM626A  CHM CHM636A  CSE CS202A  ECO ECO101A	CHE CHE492A 1-0-3-2(08)  CHE CHE635A 3-0-0-0(09)  CHE CHE398A 0-0-9-0(9)  CHE CHE497A 0-0-9-0(9)  CHM CHM341A 3-0-0-0(9)  CHM CHM343A 0-0-6-0(06)  CHM CHM402A 3-0-0-0(09)  CHM CHM626A 3-0-0-0(9)  CHM CHM636A 3-0-0-0(09)  CSE CS202A 3-0-0-0(5)  ECO ECO101A 3-1-0-0(11)	CHE CHE492A 1-0-3-2(08)  CHE CHE635A 3-0-0-0(09)  CHE CHE398A 0-0-9-0(9) UGP  CHE CHM242A/ CHM CHM341A 3-0-0-0(9) OE  CHM CHM402A 3-0-0-0(09) OE  CHM CHM626A 3-0-0-0(09)  CHM CHM636A 3-0-0-0(09) OE  CSE CS202A 3-0-0-0(5)  ECO ECO101A 3-1-0-0(11) OE	CHE         CHE453T         3-0-0-0(9)         Engineering Design           CHE         CHE453T         3-0-0-0(9)         Unit Operations and Process Control Laboratory           CHE         CHE492A         1-0-3-2(08)         Introduction to electrochemical engineering           CHE         CHE635A         3-0-0-0(09)         UGP           CHE         CHE398A         0-0-9-0(9)         UGP           CHE         CHM242A/ CHM341A         3-0-0-0(9)         OE           CHM344A/ CHM34AA         3-0-0-0(9)         DC         Experiments           CHM         CHM343A         0-0-6-0(06)         DC         Experiments           CHM         CHM626A         3-0-0-0(09)         OE         Chemistry II           CHM         CHM626A         3-0-0-0(09)         OE         Physical Physical Physical Photochemistry           CSE         CS202A         3-0-0-0(5)         Introduction to Economics           ECO         EC0101A         3-1-0-0(11)         OE         Microeconomics           ECO         EC0201A         3-0-0-0(9)         Introduction to	CHE	CHE CHE453T 3-0-0-0(9) Design Prof. Rahul Mangal Prof. Sri SivaKumar & Prof. Harshwardhan Laboratory Katkar Introduction to electrochemical engineering Prof. Raj Pala DUGC (Prof. Rahul Mangal) Prof. Raja Angamuthu Prof.	CHE   CHE453T   3-0-0-0(9)   CHE453T   3-0-0-0(9)   CHE453T   3-0-0-0(9)   CHE453T   3-0-0-0(9)   CHE453T   3-0-0-0(9)   CHE492A   1-0-3-2(08)   CHE492A   1-0-3-2(08)   CHE492A   CHE492A   1-0-3-2(08)   CHE492A   C

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39				HSS II,	Development	Prof. Debayan	To be offered as DC, OE, HSS II. pre-recorded lectures		
EC	CO	ECO311A	3-0-0-0(9)	OE, DC	Economics	Pakrashi	with discussion hours	MWF 16:00-18:00	
					International				
40					Economics and				
EC	CO	ECO412A	3-0-0-0(9)		Finance	Prof. S.K. Mathur		MTTh 10:00-12:00	
41					Indian Economic	Prof. Wasim			
EC	CO	ECO413A	3-0-0-0(9)	DC, OE	Problems	Ahmad	DC, OE Morning (after 9 am)	MTTh 10:00-12:00	
42					Financial	Prof. Wasim			
EC	CO	ECO423A	3-0-0-0(09)	DE, OE	Economics	Ahmad	DE, OE Evening (after 4 pm)	MWF 16:00-18:00	
					Behavioural &				
43				DE, OE,	Experimental	Prof. Debayan	To be offered as DE, OE, HSS II. Lectures in both		
EC	CO	ECO506A	3-0-0-0(09)	HSS-II	Economics	Pakrashi	synchronous and asynchronous mode.	MTTh 14:00-16:00	
					Topics in				
44					Managerial	Prof. Deep			
EC	CO	ECO507A	3-0-0-0(9)		Economics	Mukherjee	pre-recorded lectures with discussion hours	MWF 16:00-18:00	
45					Money and	Prof. Sukumar	The course will be offered as both DE and Open		
EC	CO	ECO521A	3-0-0-0(9)	DE, OE	Banking	Vellakkal	Elective course. Preq: ECO101 or ECO201.	MTTh 10:00-12:00	
					Heterogeneous				
					Firms and				
46					International				
EC	CO	ECO524A	3-0-0-0(09)		Trade	Prof. S.K. Mathur		MWF 16:00-18:00	
47					Digital Signal				
EE	Ε	EE301A	3-0-0-0(9)		Processing	Prof. Vipul Arora		MWF 08:00-10:00	
48					Communication	Prof. Govind			
EE	Έ	EE321A	3-0-0-0(9)		Systems	Sharma		MWF 16:00-18:00	
49						Prof. Abheejeet			W 10:00-
EE	Ε	EE330A	3-1-0-0(11)		Power Systems	Mohapatra		MTTh 10:00-12:00	12:00
						Prof. Santanu			
						Kumar Mishra &			
50					Power	Prof. Suvendu			
EE	Ε	EE360A	3-0-0-0(9)		Electronics	Samanta		MTTh 14:00-16:00	
					Representation				
51					and Analysis of	Prof. Abhishek K			
EE	Ε	EE621A	3-0-0-0(9)		Random Signals	Gupta		MTTh 10:00-12:00	
					Basics of				
					Modern Control	Prof. Twinkle			
52									

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					Memory				
					Technology and				
53					Neuromorphic	Prof. Shubham			
	EE	EE698P	3-0-0-0(9)		computing	Sahay		MTTh 14:00-16:00	
54					Linguistic	Prof Chaithra			
	HSS	ENG452A	3-0-0-0(9)		Typology	Puttaswamy		MTTh 10:00-12:00	
						Prof AV			
55					Philosophical	Ravishankar			
	HSS	PHI455A	3-0-0-0(9)		Logic	Sarma		MWF 16:00-18:00	
56					Introductory				Th 16:00-
	HSS	SOC171A	3-1-0-0(11)		Sociology	Prof B K Pattnaik		MWF 16:00-18:00	18:00
					Management				
57					Decision				
	IME	IME634A	3-0-0-0(9)		Analysis	Prof. RN Sengupta		MTTh 10:00-12:00	
					Data Mining &				
58					Knowledge				
	IME	IME672A	3-0-0-0(9)		Discovery	Prof. Faiz Hamid		MTTh 14:00-16:00	
59					Industrial				
	IME	IME697A	0-0-0-0(0)		Project	Prof. Avijit Khanra	DPGC course		
60					Independent				
	IME	IME797A	3-0-0-0(9)		Study	Prof. Avijit Khanra	For PhD students of IME, with permission		
61					Supply Chain				
	IME	MBA664A	3-0-0-0(10)		Management	Prof. RRK Sharma		MTTh 14:00-16:00	
62					Project				
	IME	MBA666A	3-0-0-1(10)		Management	Prof. RN Sengupta		MWF 16:00-18:00	
63	IME	MBA697A	3-0-0-1(10)		Summer Project	Prof. Avijit Khanra	DDCC squires		
-	IIVIL	IVIDAUS/A	3-0-0-1(10)		Janniner Froject	Prof. Akhilesh	DPGC course		
						Mimani &			
						Prof. Ishan			Th 16:00-
64	ME	ESO209A	2-1-0-0(8)	UGC	Dynamics	Sharma	UG Core	MW 16:00-18:00	18:00
	IVIL	L30203A	2 1 0-0(0)	000	Dynamics	Prof. Bishakh		14144 10.00-10.00	10.00
					Nature and	Bhattacharya &	Laboratory component of course deferred for summer		
					Properties of	Prof.	(1 credit) This course is compulsory for all those students who		W 12:00-
					Materials(Onlin	Chandraprakash.	have		13:00 (LAB)
65	ME	ME222P	0-0-1-0(1)		e Laboratory)	C.	already credited ME222T, which is also a pre-requisite for this course.		13.00 (1,10)
		1716666	0 0 1 0(1)		C Laboratory)	ı <del>.</del>	וטו נוווג נטעוגע.		

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Fluid Mechanics   A							mstructions <u>ner</u>			
And Rate								,		
ME								the state of the s		
ME   ME231P   0-0-1-0(1)   Processes   Muralidihar   for this curse	66									13:00 (LAB)
Refrigeration and Air   Panigrahi & Prof. Sameer   Panigrahi & Prof. Sameer   Panigrahi & Prof. Sameer   Prof. Malay Das   Panigrahi & Prof. Sameer   Prof. Malay Das   Panigrahi & Panigrahi & Panigrahi & Prof. Malay Das   Panigrahi & Pani		ME	ME231P	0-0-1-0(1)		Processes				
ME						Introduction to	Prof. P. K.			
ME   ME340A   3-0-0-0(9)   DE   Conditioning   Khandekar   UG (Departmental Elective)   MTTh 14:00-16:00						Refrigeration	Panigrahi &			
ME   ME340A   3-0-0-0(9)   DE   Conditioning   Computational Fluid Dynamics and Heat   Transfer   Prof. Malay Das   PG/Open Elective   MTTh 10:00-12:00	67					and Air	Prof. Sameer			
Fluid Dynamics and Heat Transfer		ME	ME340A	3-0-0-0(9)	DE	Conditioning	Khandekar	UG (Departmental Elective)	MTTh 14:00-16:00	
ME						Computational				
ME   ME630A   3-0-0-0(9)   OE   Transfer   Prof. Malay Das   Prof. Das   Prof. Malay Das   Prof. Malay Das   Prof. Malay Das   Prof. Das   Pro						Fluid Dynamics				
ME   ME630A   3-0-0-0(9)   OE   Transfer   Prof. Malay Das   Ps/Open Elective   MTTh 10:00-12:00	68					and Heat				
ME   ME761A   3-0-0-0(9)   OE   Manufacturing   Prof. J. Ramkumar   PG/Open Elective   MWF 16:00-18:00   MTWTHF	00	ME	ME630A	3-0-0-0(9)	OE	Transfer	Prof. Malay Das	PG/Open Elective	MTTh 10:00-12:00	
ME ME761A 3-0-0-0(9) OE Manufacturing Prof. J. Ramkumar Prof. Sunders will be conducted online.  Nature of Properties of Materials Gurao Prof. Sandeep Sangal Prof. Sandeep Sandeep Sangal Prof. Sandeep San	60					Computer Aided				
Nature of Properties of Materials Gurao Gu	03	ME	ME761A	3-0-0-0(9)	OE	Manufacturing	Prof. J. Ramkumar	PG/Open Elective	MWF 16:00-18:00	
This course is compulsory for Y19 students who have already credited ESO2057, which is also a pre-requisite for this course.						_		Courses will be conducted online.		
170   MSE   ESO205P   0-0-3-0(3)   Materials   Gurao   Gurao   Frogeres or Materials   Gurao   Gurao   Gurao   Frogeres or Materials   Gurao   Gurao   Gurao   Frogeres or Materials   Frogeres or Materials   Gurao   Frogeres or Materials								This course is compulsory for V19 students who have		
MSE   ESO205P   0-0-3-0(3)   Materials   Gurao   For this course.	70					•				14:00-17:00
MSE MSE646A 3-0-0-0(9) crystallography Sangal Through Mookit and online MTTh 14:00-16:00  Diffusion in Solid Kulkarni Mostly asynchronous lectures MTTh 14:00-16:00  MSE MSE648A 3-0-0-0(9) Solid State Ionics Prof. Shobit Omar Mostly asynchronous lectures MTTh 14:00-16:00  MSE MSE670A 3-0-0-0(9) Prof. Shobit Omar Mostly asynchronous lectures MTTh 14:00-16:00  MSE MSE670A 3-0-0-0(9) Joining K. Singh Online MWF 16:00-18:00  MSE MSE671A 3-0-0-0(9) Prof. Sudhanshu Shekhar Singh Solar Energy Technologies and Materials Science Prof. Kanwar S. Nalwa Through Mookit and online MTTh 10:00-12:00  MAterials Science		MSE	ESO205P	0-0-3-0(3)				for this course.		
MSE MSE648A 3-0-0-0(9)  MSE MSE664A 3-0-0-0(09)  MSE MSE664A 3-0-0-0(09)  MSE MSE670A 3-0-0-0(9)  MSE MSE671A 3-0-0-0(9)  MSE MSE681A 3-0-0-0(9)  MSE MSE681A 3-0-0-0(9)  Diffusion in Solid Kulkarni  Mostly asynchronous lectures  MTTh 14:00-16:00  MWF 16:00-18:00  MWF 16:00-18:00  MWF 16:00-18:00  MWF 16:00-18:00  MWF 16:00-18:00  MMF 16:00-12:00  Materials  Science  MTTh 10:00-12:00	71					·	•			
MSE MSE648A 3-0-0-0(9) Solid Kulkarni Mostly asynchronous lectures MTTh 14:00-16:00  Solid State Ionics Prof. Shobit Omar Mostly asynchronous lectures MTTh 14:00-16:00  MSE MSE664A 3-0-0-0(09) Prof. Amarendra K. Singh Online MWF 16:00-18:00  MSE MSE670A 3-0-0-0(9) Heat Treatment and Surface Hardening Shekhar Singh Solar Energy Technologies and Materials Science Prof. Kanwar S. Nalwa Through Mookit and online MTTh 10:00-12:00  MTTh 14:00-16:00  MOSTly asynchronous lectures MITh 14:00-16:00		MSE	MSE646A	3-0-0-0(09)			_	Through Mookit and online	MTTh 14:00-16:00	
MSE MSE648A 3-0-0-0(9) Solid Kulkarni Mostly asynchronous lectures MTTh 14:00-16:00  Solid State Ionics Prof. Shobit Omar Mostly asynchronous lectures MTTh 14:00-16:00  MSE MSE664A 3-0-0-0(09) Solidification Processing and Joining K. Singh Online MWF 16:00-18:00  MSE MSE670A 3-0-0-0(9) Heat Treatment and Surface Hardening Shekhar Singh Shekhar Singh Solar Energy Technologies and Materials Science Prof. Kanwar S. Nalwa Through Mookit and online MTTh 10:00-12:00  MTTh 14:00-16:00  MOSTly asynchronous lectures MITh 14:00-16:00  MOWF 16:00-18:00  MOSTly asynchronous lectures MITh 14:00-16:00  MOSTly asynchronous lectures MITh 14:00-16:00  MOSTly asynchronous lectures MITH 14:00-16:00  MOWF 16:00-18:00  MOST Prof. Sudhanshu Shekhar Singh Shekhar Singh Shekhar Singh Should provide support of Hello IITK platform.  MOST MOST MOST MOST MOST MOST MOST MOST	72									
MSE MSE664A 3-0-0-0(09) lonics Prof. Shobit Omar Mostly asynchronous lectures MTTh 14:00-16:00  Solidification Processing and Joining K. Singh Online MWF 16:00-18:00  Heat Treatment and Surface Hardening Shekhar Singh Solar Energy Technologies AMSE MSE681A 3-0-0-0(9) Materials Science Prof. Kanwar S.  MSE MSE681A 3-0-0-0(9) MTTh 14:00-16:00  MOSTLY asynchronous lectures MTTh 14:00-16:00  MOSTLY asynchronous lectures MTTh 14:00-16:00  MWF 16:00-18:00  MWF 16:00-18:00  MWF 16:00-18:00  MTTh 10:00-12:00		MSE	MSE648A	3-0-0-0(9)		Solid	Kulkarni	Mostly asynchronous lectures	MTTh 14:00-16:00	
MSE MSE664A 3-0-0-0(09) Ionics Prof. Shobit Omar Mostly asynchronous lectures MTTh 14:00-16:00  Solidification Processing and Joining K. Singh Online MWF 16:00-18:00  Heat Treatment and Surface Hardening Shekhar Singh Solar Energy Technologies and Materials Science  MSE MSE681A 3-0-0-0(9) Materials Science  MTTh 14:00-16:00  Mostly asynchronous lectures MTTh 14:00-16:00  Mostly asynchronous lectures MTTh 14:00-16:00  Mostly asynchronous lectures MTTh 14:00-16:00  MWF 16:00-18:00  MWF 16:00-18:00  MWF 16:00-18:00  MTTh 10:00-12:00	73					Solid State				
Processing and Joining   Prof. Amarendra   Number of the control		MSE	MSE664A	3-0-0-0(09)		Ionics	Prof. Shobit Omar	Mostly asynchronous lectures	MTTh 14:00-16:00	
MSE MSE670A 3-0-0-0(9)  Heat Treatment and Surface Hardening Solar Energy Technologies and Materials Science  MSE MSE681A 3-0-0-0(9)  Joining K. Singh Online  MWF 16:00-18:00  Prerequisite: Phase Transformation for UG and None for PG. The lectures will be asynchronous. Institute should provide support of Hello IITK platform.  MWF 16:00-18:00  MWF 16:00-18:00  MWF 16:00-18:00  MWF 16:00-12:00						Solidification				
MSE MSE670A 3-0-0-0(9) Joining K. Singh Online MWF 16:00-18:00  Heat Treatment and Surface Hardening Shekhar Singh  MSE MSE671A 3-0-0-0(9) Frequisite: Phase Transformation for UG and None for PG. The lectures will be asynchronous. Institute should provide support of Hello IITK platform.  Solar Energy Technologies and Materials Nalwa Through Mookit and online MTTh 10:00-12:00  MATTH 10:00-12:00	74					Processing and	Prof. Amarendra			
A	' -	MSE	MSE670A	3-0-0-0(9)		Joining	K. Singh	Online	MWF 16:00-18:00	
MSE MSE671A 3-0-0-0(9)  Hardening Shekhar Singh for PG. The lectures will be asynchronous. Institute should provide support of Hello IITK platform.  MWF 16:00-18:00  Solar Energy Technologies and Materials Nalwa Through Mookit and online  MSE MSE681A 3-0-0-0(9)  Materials Science						Heat Treatment				
MSE MSE671A 3-0-0-0(9) Hardening Shekhar Singh should provide support of Hello IITK platform. MWF 16:00-18:00  Solar Energy Technologies and Materials Nalwa Through Mookit and online MTTh 10:00-12:00  Materials Science	75					and Surface	Prof. Sudhanshu			
Solar Energy Technologies and Materials Nalwa Through Mookit and online  MTTh 10:00-12:00  Materials Science	/3	MSE	MSE671A	3-0-0-0(9)		Hardening	Shekhar Singh		MWF 16:00-18:00	
Technologies and Materials Nalwa Through Mookit and online MTTh 10:00-12:00  Materials Science				, ,			<u> </u>			
MSE MSE681A 3-0-0-0(9) and Materials Nalwa Through Mookit and online MTTh 10:00-12:00  Materials Science	76						Prof. Kanwar S.			
Materials Science	/0	MSE	MSE681A	3-0-0-0(9)		_		Through Mookit and online	MTTh 10:00-12:00	
77 Science				, ,		Materials				
	77									
	′ ′	MSE	MSE693A	3-0-0-0(9)			Prof. Vivek Verma	Online	MTTh 10:00-12:00	

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				Applications in				
	1			Life Sciences				
						Course will be conducted using MooKit.		
				Introduction to		This course is compulsory for all those students who		MTWTHF
					Prof. Anish	have	M 13:00-14:00	15:00-17:00
78	NACE	TA204B	0.0.2.0(2)	Manufacturing		already credited TA201T, which is also a pre-requisite	IVI 13:00-14:00	15:00-17:00
	MSE	TA201P	0-0-3-0(3)	Processes	Upadhyaya	for this course.		
				Complex	Prof. Sudhanshu			
				Analysis	Sekhar &			
79				(Modular	Prof. Saurabh			T 08:00-
	MTH	MSO202A	3-1-0-0(6)	Course)	Kumar Singh		MWF 08:00-10:00,	10:00
80					Prof. Santosh			T 08:00-
	MTH	MTH201A	3-1-0-0(11)	Linear Algebra	Nadimpalli		MWF 08:00-10:00,	10:00
81					Prof. Santosha			F 12:00-
	MTH	MTH204A	3-1-0-0(11)	Abstract Algebra	Pattanayak		TWTh 12:00-14:00	14:00
				An Introduction				
82				to Number	Prof. Saurabh			W 10:00-
	MTH	MTH215A	3-1-0-0(11)	Theory	Kumar Singh		MTTh 10:00-12:00	12:00
				Several Variable				
				Calculus and				
83				Differential				W 10:00-
03	MTH	MTH305A	3-1-0-0(11)	Geometry	Prof. Bidyut Sanki		MTTh 10:00-12:00	12:00
84				Complex				W 10:00-
04	MTH	MTH403A	3-1-0-0(11)	Analysis	Prof. Satyajit Guin		MTTh 10:00-12:00	12:00
85				,	, ,			F 14:00-
65	MTH	MTH404A	3-1-0-0(11)	Analysis II	Prof. Rama Rawat		MTTh 14:00-16:00	16:00
86			, ,	Functional				Th 16:00-
86	МТН	MTH405A	3-1-0-0(11)	Analysis	Prof. Kaushik Bal		MWF 16:00-18:00	18:00
				Ordinary				
				Differential				F 14:00-
87	MTH	MTH421A	3-1-0-0(11)	Equations	Prof. Kaushik Bal		MTTh 14:00-16:00	16:00
			3 1 0 0(11)	Partial	11011 Radollik Bal			10.00
				Differential				Th 16:00-
88	MTH	MTH424A	3-1-0-0(11)	Equations	Prof. Prosenjit Roy		MWF 16:00-18:00	18:00
	IVIII	1V1111424A	2-1-0-0(11)	Numerical	rioi. riosenjit noy		141441 10:00-10:00	T 08:00-
89	NATI I	NATHAROA	2.0.1.0(10)		Drof Akash Amard		MANA 00:00 10:00	
	MTH	MTH430A	3-0-1-0(10)	Analysis &	Prof. Akash Anand		MWF 08:00-10:00,	10:00

#### See instructions here.

					Scientific			
					Computing II			
					Basic Probability			
90					& Distribution			W 10:00-
	MTH	MTH431A	3-1-0-0(11)		Theory	Prof. Prosenjit Roy	MTTh 10:00-12:00	12:00
91					Multivariate			F 14:00-
"	MTH	MTH514A	3-1-0-0(11)		Analysis	Prof. Amit Mitra	MTTh 14:00-16:00	16:00
92						Prof. Sharmishtha		
32	MTH	MTH676A	3-0-0-0(09)		Econometrics	Mitra	MTTh 14:00-16:00	
93						Prof. Tapobrata		W 10:00-
	PHY	PHY102A	3-1-0-0(11)		Physics I	Sarkar	MTTh 10:00-12:00	12:00
94						Prof. Saurabh		T 08:00-
' '	PHY	PHY103A	3-1-0-0(11)		Physics II	Mani Tripathi	MWF 16:00-18:00	10:00
95					Order and	Prof. Sagar		
	PHY	PHY306A	3-0-0-0(09)	OE	Chaos	Chakraborty	MTTh 14:00-16:00	
						Prof. Aditya Kelkar		
96						Prof.		
	PHY	PHY441A	2-1-3-0(11)		Electronics	Krishnacharya		