

Course Offering Winter 2016

Course_Code	Title	Instructor	Credits	Remarks
Core				
CSE102	Data Structures & Algorithms	Rahul Purandare	4	1st Year
ECE113	Basic Electronics (new)	G S Visweswaran(V)	4	1st Year
DES130	Intro. Engg. Design	Jyoti Sinha (V)	4	1st Year
MTH201	Probability & Statistics	Angshul Majumdar	4	1st Year
COM301A	Technical Communication	K M Pathi(V)	2	2nd Year-CSE&ECE
CSE202	Fundamentals of Database Systems	Vikram Goyal	4	2nd Year-CSE
CSE222	Algorithm Design & Analysis	Rajiv Raman	4	2nd Year-CSE
CSE232	Computer Networks	Dheeraj Sanghi (V)	4	2nd Year-CSE
ECE214	Integrated Electronics	Sujay Deb	4	2nd Year-ECE
ECE230	Fields and Waves	M S Hashmi	4	2nd Year-ECE
ECE240	Principles of Communication Systems	Pravesh Biyani	4	2nd Year-ECE+ Elective for 2nd yr CSE
ESC205A	Environmental Sciences	Suresh Jain (G)	2	2nd Year-CSE&ECE
MTH204	Math IV (Differential Equations)	Brijesh Eshpuniyani (V)	4	2nd Year-ECE
Elective				
BIO404/BIO604	Molecular Mechancs and Bio Physics/Biosimulations	Arnab Bhattacharya(V)	4	UG-PG CSE/ECE/CB
BIO506	Stochastic Simulations in Systems Biology & Biophysics	Subhadip Raichudhuri	4	UG-PG CSE/ECE/CB
BIO5xx	Systems and Synthetic Biology (new)	Sriram K	4	UG-PG CSE/ECE/CB
BIO5DSG	Data Sciences for Genomics (new)	Rohit Gupta	4	UG-PG CSE/ECE/CB
CSE233	Network Administration (2 credit)	Vinayak Naik	2	2nd Year-CSE(Only for selected students)
CSE322	Theory of Computation	Debajyoti Bera	4	UG+2nd Year CSE Elective
CSE344/CSE544/ ECE344/ECE544	Computer Vision	Saket Anand	4	UG/PG
CSE352/CSE552	Security Engineering	Sambuddho Chakravarty	4	UG/PG
CSE501	Designing Human-Centred Systems	Ponnurangam Kumaraguru	4	UG/PG
CSE507	Database System Implementation	Vishwanath Gunturi	4	UG/PG
CSE508	Information Retrieval	Sameep Mehta(G)	4	UG/PG
CSE510A	Big Data Analytics	Vikram Goyal	2	UG/PG
CSE523	Randomised Algorithms	Debajyoti Bera	4	UG/PG
CSE524	Theory of Modern Cryptography	Donghoon Chang	4	UG/PG
CSE530	Distributed Systems	H B Acharya	4	UG/PG
CSE538/ECE538	Wireless Networks	Sanjit Kaul	4	UG/PG
CSE560	GPU Computing	Ojaswa Sharma	4	UG/PG
CSE561	Probabilistic Graphical Models	Chetan Arora	4	UG/PG
CSE635	Programing Cloud Services for Mobile Applications	Pushpendra Singh	4	UG/PG
CSE694F	Multimedia Security	A V Subramanyam	4	UG/PG

CSE5SDN	Software Defined Networking(new)	Vinayak Naik	4	UG/PG
DES302	Animation and Graphics	Manohar Khushalani (V)	4	UG
ECE321/ECE521	RF Circuit Design	M S Hashmi	4	UG/PG
ECE452/ECE552	Statistical Signal Processing	Angshul + Saket	4	UG/PG
CSE5xx/ECE470/ECE670	Robotics	P B Sujit	4	UG/PG
ECE516	System on Chip Design and Test	Sujay Deb	4	UG/PG
ECE534	Optical Communication Systems	Anand Srivastava	4	UG/PG
ECE539	Wireless System Implementation	Vivek Bohra	4	UG/PG
ECE571	Optimal Control System	P B Sujit	4	UG/PG
ECE573	Advanced Embedded Logic Design	Alexander Fell	4	UG/PG
ECE6xx	Mixed Signal Design	G S Visweswaran(V)	4	UG/PG
ECE631	Antennas Theory and Design	Shobha Sundaram	4	UG/PG
ECE5ATA	Algorithms to Architecture (new)	Sumit Darak	2	UG/PG
ECE3MC	Mobile Communication (new)	Anand Srivastava	4	UG
ECE3SSD/ECE5SSD	Solid State Devices (new)	Raghvendra Sahay(G)	4	UG/PG
ECE3CA	Computer Architecture and Operating Systems(new)	Puneet Goyal	4	UG ECE
ECO302	Applied Econometric Analysis	Srustidhar Chand	4	UG
ECO304	Introduction to Game Theory	Srustidhar Chand	4	UG
ENT402	Entrepreneurship as Career II	Hemant Kumar(V)	2	UG
FIN401	Foundations of Finance	Pankaj Vajpayee (V)	4	UG
HSS203	Introduction to the Study of Literature	Honey Jhalani (G)	4	UG
HSS205	Introduction to Sociology	Duru Arunkumar (G)	4	UG
HSS208	Theory and Practice of Engineering Ethics	Raj Ayyar(V)	4	UG
HSS212	Critical Thinking	Raj Ayyar(V)	4	UG
HSS216	Positive Psychology	Akshay Kumar (V)	4	UG
HSS2ITGov	IT & Governance(new)	K M Pathi(V)	4	UG
HSS2xx	Introduction to Poetry (new)	Saumya Kulshreshtha(G)	2	UG
MTH302	Algebra	Samaresh Chatterji(V)	4	UG/PG
MTH303	Graph Theory	Somitra Sandhya	4	UG/PG+2nd Year CSE Elective
MTH502	Number Theory	Somitra Sandhya	4	UG/PG+2nd Year CSE Elective
MTH5IFA	Introduction to Functional Analysis(new)	Samaresh Chatterji(V)	4	UG/PG
MTHxx	Computational Fluid Dynamics/Numerical Solutions for PDE(new)	Brijesh Eshpuniyani(V)	4	UG/PG
PHY303	Opto-Electronics	Subhash Chopra (G)	4	UG
COM504Z	Scientific Communication(new)	Anubha Gupta	2	PG 1st Year Core+Elective for other PG students

BTech 1st Year -Winter Semester 2016

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	
MON	PS C01	DSA C01			Lab-IED Gp 1 L33		Tut-DSA Gp 4/5/6 LR1,LR2,LR3		LUNCH			BE C01			CT C12 Socio C21			
					Lab-BE Gp 2 L32													
					Tut-PS Gp 4/5/6 LR1,LR2,LR3													Tut-BE Gp 4/5/6 LR1,LR2,LR3
TUE		PS C01			Tut-PS Gp 4/5/6 LR1,LR2,LR3		Tut-BE Gp 4/5/6 LR1,LR2,LR3					BE C01			Lit C02 TPEE C12			
					Lab-BE Gp 3 L32		Lab-IED Gp 2 L33											
					WED	DSA C01	IED C01											
Lab-BE Gp 6 L32		Tut-BE Gp 1,2,3 LR1,LR2,LR3																
THU	DSA C01	PS C01								Lab-IED Gp 3 L33		Lab-BE Gp 1 L32				BE C01		
					Lab-DSA Gp 4/5/6 L21,L22,L23		Lab-IED Gp 4 L33		Lab-IED Gp 6 L33									
					FRI		Lab-DSA Gp 1/2/3 L21,L22,L23			Gp 5 L32		Gp 5 L32						
IED C01		Tut-PS Gp 1/2/3 LR1,LR2,LR3																

Mandatory /Elective	Course Code	Course Title	Instructor	Credit	Acronym
Mandatory	CSE102	Data Structures & Algorithms	Rahul Purandare	4	DSA
Mandatory	ECE113	Basic Electronics	GS Visveswaran(V)	4	BE
Mandatory	DES130	Introduction to Engineering Design	Jyoti Sinha(V)	4	IED
Mandatory	MTH201	Probability & Statistics	Angshul Majumdar	4	PS
Elective	HSS203	Introduction to Study of Literature	Honey Jalhani (G)	4	Lit
Elective	HSS205	Introduction to Sociology	Duru Arun Kumar (G)	4	Socio
Elective	HSS208	Theory and Practice of Engineering Ethics	Raj Ayyar (V)	4	TPEE
Elective	HSS212	Critical Thinking	Raj Ayyar (V)	4	CT

BTech 2nd Year (CSE)-Winter Semester 2016

Day	8:30-9	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
MON				Tut ADA Gp1/2/3/4 L21,L22,L23,S01			CN C21						Tut-CN Gp 1/2/3/4 LR1,LR2,LR3							
TUE	NT C02					DBMS C21							ADA C21		TOC C21 GT C02 IFA C13 PCS C24					
			Tut-PCS LR1																	
WED		ADA C21		CN C21		NA C02							Faculty Meeting							
													Lab-ADA Gp 1/2/3/4 L21,L22,L23,S01						IPO C03	
THU		ADA C21		CN C21		DBMS C21							TOC C21 GT C02 IFA C13 PCS C24		Seminar C21					
FRI	NT C02					Tut DBMS Gp1/2/3/4 LR1,LR2,LR3,S01							TCom C11		EVS C11					
			Tut-TOC LR1,LR2																	

Mandatory/ Elective	Course Code	Course Title	Instructor	Credit	Acronym
Mandatory	CSE202	Fundamentals of Database Systems	Vikram Goyal	4	DBMS
Mandatory	CSE222	Algorithm Design & Analysis	Rajiv Raman	4	ADA
Mandatory	CSE232	Computer Networks	Dheeraj Sanghi(V)	4	CN
Mandatory	COM301A	Technical Communication	K M Pathi(V)	2	Tcom
Mandatory	ESC205A	Environmental Sciences	Suresh Jain(G)	2	EVS
Elective	CSE233	Network Administration	Vinayak S Naik	2	NA
Elective	CSE322	Theory of Computation	Debajyoti Bera	4	TOC
Elective	ECE240	Principles of Communication Systems	Pravesh Biyani	4	PCS
Elective	MTH302	Graph Theory	Somitra Sanadhya	4	GT
Elective	MTH502	Number Theory	Somitra Sanadhya	4	NT
Elective	MTH5IFA	Introduction to Functional Analysis	Samaresh Chatterji(V)	4	IFA
Elective	HSS2xx	Introduction to Poetry	Saumya Kulshreshtha	2	IPO

Eng/SC/Math Course
Eng/SC/Math Course
Eng/SC/Math Course
Eng/SC/Math Course

BTech 2nd Year (ECE)-Winter Semester 2016

Day	9:00-10	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	
MON			IE C03		Tut-Maths IV S02			LUNCH			F&W C03									
TUE	Maths IV C03	Tut - F&W LR2			Tut-IE Gp 2 S01						PCS C24									
WED		Lab-IE Gp 1 L32											Tut-PCS S02							
THU	Maths IV C03	IE C03					F&W C03				PCS C24		Seminar C21							
FRI	Maths IV C03	Lab-F&W L31											TCom C11		EVS C11					
														IPO	C03					

Mandatory /Elective	Course Code	Course Title	Instructor	Credit	Accronym
Mandatory	COM301A	Technical Communication	K M Pathi (V)	2	Tcom
Mandatory	ECE230	Fields and Waves	M S Hashmi	4	F&W
Mandatory	ECE214	Integrated Electronics	Sujay Deb	4	IE
Mandatory	ECE240	Principles of Communication Systems	Pravesh Biyani	4	PCS
Mandatory	ESC205A	Environmental Sciences	Suresh Jain (G)	2	EVS
Mandatory	MTH204	Math IV (Numerical Methods)	Brijesh Eshpuniyani (V)	4	Maths IV
Elective	HSS2xx	Introduction to Poetry	Saumya Kulshreshtha(G)	2	IPO

Btech 3rd Year, Btech 4th Year, Mtech 1st year, Mtech 2nd Year & PhD's-Winter Semester 2016

Day	8:30-9	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					
MON				CV	C13	MS	C13	LUNCH					SSP	C13	CT	C12									
				RFC	C24	SSB	C23						SCDT	C24	Socio	C21									
				SSSBB	C02	WSI	C22						DSys	C12	Ppsy	C01									
				RA	C22	FIN	C02						CAOS	C23	SC	C11									
				DBSI	C11	MSD	C24						IR	C11											
				MC	C23	SDN	C11																		
TUE	NT	C02		MMBP	C13	ATD	C13	LUNCH					A&G	L21/C12	Lit	C02									
				AELD	C24	AEA	C22						IFA	C13	TPEE	C12									
				DHCS	C11	SE	C12						TOC	C02	ITGov	C23									
				WN	C22	Rob	C23						GT	C21	IGT	C21									
						TMC	C24						PCSMA	C11	BDA	C24									
						DSG	C03						OpCS	C22											
WED				SSP	C13	PGM	C24	LUNCH					Faculty Meeting		CT	C12									
				SCDT	C24	GPU	C23						Lab ATA		L31	Ppsy	C01								
				DSys	C12	OCS	C22						ENT II		C13										
				CAOS	C23	ALG	C03						Lab-AELD		L33										
				IR	C11	ATA	C13																		
													OE		C21										
THU				CV	C13	MS	C13	LUNCH					A&G	L21/C12	Seminar C21										
				RFC	C24	SSB	C23						IFA	C13											
				SSSBB	C02	WSI	C22						TOC	C02											
				RA	C22	FIN	C02						GT	C21											
				DBSI	C11	MSD	C24						PCSMA	C11											
				MC	C23	SDN	C11						OpCS	C22											
FRI	NT			MMBP	C13	ATD	C13	LUNCH					PGM	C24	Lit	C02									
				AELD	C24	AEA	C22						GPU	C23	TPEE	C12									
				DHCS	C11	SE	C12						OCS	C22	ITGov	C23									
				WN	C22	Rob	C23						ALG	C03	IGT	C21									
						TMC	C24																		
						DSG	C03																		
SAT				DSG Workshop													C03								
				SSD					C13																

Course Code	Course Title	Instructor	Credit	Acronym
-------------	--------------	------------	--------	---------

BIO404/BIO604	Molecular Mechanics and Bio Physics/ Biosimulations	Arnab Bhattacharya(V)	4	MMBP
BIO506	Stochastic Simulations in Systems Biology & Biophysics	Subhadip Raichaudhuri	4	SSSBB
BIO5SSB	Systems and Synthetic Biology	Sriram K	4	SSB
BIO5DSG	Data Sciences for Genomics	Rohit Gupta	4	DSG
CSE322	Theory of Computation	Debajyoti Bera	4	TOC
CSE344/CSE544/ ECE344/ ECE544	Computer Vision	Saket Anand	4	CV
CSE352/CSE552	Security Engineering	Sambuddho Chakravarthy	4	SE
CSE501	Designing Human-Centred Systems	Ponnuram Kumaraguru	4	DHCS
CSE507	Database System Implementation	Vishwanath Gunturi	4	DBSI
CSE508	Information Retrieval	Sameep Mehta(G)	4	IR
CSE510A	Big Data Analytics	Vikram Goyal	2	BDA
CSE523	Randomised Algorithms	Debajyoti Bera	4	RA
CSE524	Theory of Modern Cryptography	Donghoon Chang	4	TMC
CSE530	Distributed Systems	H B Acharya	4	Dsys
CSE538/ECE538	Wireless Networks	Sanjit Kaul	4	WN
CSE560	GPU Computing	Ojaswa Sharma	4	GPU
CSE561	Probabilistic Graphical Models	Chetan Arora	4	PGM
CSE635	Programming Cloud Services for Mobile Applications	Pushpendra Singh	4	PC SMA
CSE694F	Multimedia Security	A V Subramanyam	4	MS
CSE5SDN	Software Design Networking	Vinayak Naik	4	SDN
DES302	Animation and Graphics	Manohar Khushalani (V)	4	A&G
ECE321/ECE521	RF Circuit Design	M S Hashmi	4	RFCD
ECE452/ECE552	Statistical Signal Processing	Angshul + Saket	4	SSP
CSE5xx/ ECE470/ECE670	Robotics	P B Sujit	4	Rob
ECE516	System on Chip Design and Test	Sujay Deb	4	SCDT
ECE534	Optical Communication Systems	Anand Srivastava	4	OpCS
ECE539	Wireless System Implementation	Vivek Bohra	4	WSI
ECE571	Optimal Control System	P B Sujit	4	OCS
ECE573	Advanced Embedded Logic Design	Alexander Fell	4	AELD
ECE6xx	Mixed Signal Design	G S Visweswaran(V)	4	MSD
ECE5ATA	Algorithms to Architecture	Sumit Darak	2	ATA
ECE631	Antennas Theory and Design	Shobha Sundarram	4	ATD
ECE3MC	Mobile Communication	Anand Srivastava	4	MC
ECE3SSD/ECE5SSD	Solid State Devices	Raghvendra Sahay(G)	4	SSD
ECE3CA	Computer Architecture and Operating Systems	Puneet Goyal	4	CAOS

ECO302	Applied Econometric Analysis	Srustidhar Chand	4	AEA
ECO304	Introduction to Game Theory	Srustidhar Chand	4	IGT
ENT402	Entrepreneurship as Career II	Hemant Kumar(V)	2	ENT
FIN401	Foundations of Finance	Pankaj Vajpayee (V)	4	FIN
HSS203	Introduction to the Study of Literature	Honey Jhalani (G)	4	Lit
HSS205	Introduction to Sociology	Duru Arunkumar (G)	4	Socio
HSS208	Theory and Practice of Engineering Ethics	Raj Ayyar(V)	4	TPEE
HSS212	Critical Thinking	Raj Ayyar(V)	4	CT
HSS216	Positive Psychology	Akshay Kumar (V)	4	Ppsy
HSS2ITGov	IT & Governance	K M Pathi(V)	4	ITGov
HSS2xx	Introduction to Poetry	Saumya Kulshreshtha(G)	2	IPO
MTH302	Algebra	Samaresh Chatterji(V)	4	ALG
MTH303	Graph Theory	Somitra Sanadhya	4	GT
MTH502	Number Theory	Somitra Sanadhya	4	NT
MTH5IFA	Introduction to Functional Analysis	Samaresh Chatterji(V)	4	IFA
MTHxx	Computational Fluid Dynamics/ Numerical Solutions for PDE	Brijesh Eshpuniyani(V)	4	CFD/PDE
PHY303	Opto-Electronics	Subhash Chopra (G)	4	OE
COM504Z	Scientific Communication	Anubha Gupta	2	SC