

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
ECE3xx	Solid State Devices(new)	Pydi Ganga Mamba	2	UG- Offered Post Mid Sem
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
ECE5ATA	Algorithms to Architecture (new)	Sumit Darak	2	UG/PG
ECE3MC	Mobile Communication (new)	Anand Srivastava	4	UG
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
MTH3xx	Topics in Applied Mathematics(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 Ist 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			Lab-BE Gp 2 L32			LUNCH			BE C01		CT C12 Socio C21			
			Tut-DSA 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			LUNCH			BE C01		Lit C24 TPEE C12			
			Lab-IED Gp 2 L33			Lab-BE Gp 3 L32											
WED	DSA C01	IED C01	Tut-DSA Gp 1/2/3 LR1,LR2,LR3			Lab-IED Gp 5 L33			LUNCH			Faculty Meeting		CT C12 Socio C21			
			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			LUNCH			BE C01		Seminar C21			
			Lab-DSA Gp 4/5/6 L21,L22,L23														
FRI	Lab-IED Gp4 L33		IED			Lab-IED Gp6 L33			LUNCH				Lit C24 TPEE C12				
	Lab-BE Gp5 L32		C01			Lab-BE Gp 4 L32											
	Lab DSA Gp 1/2/3 L21,L22,L23					Tut-PS Gp 1/2/3 LR1,LR2,LR3			LUNCH								

Duration of the Lectures will be 50 mins and 80 mins

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			Lab ADA Gp1/2/3/4 L21,L22,L23					CN C21				Tut-TOC C22, C23, C24		Tut-CN Gp 1/2/3/4 LR1,LR2,LR3,S01						
TUE	NT		C03					DBMS C21		LUNCH		ADA C21		TOC C11 GT C21 PCS C24						
				Tut-PCS		LR1														
WED		ADA C21		CN C21		NA C02		LUNCH				Faculty Meeting								
		Tut-ADA Gp 1/2/3/4 L21,L22,L23																IPO		C03
THU		ADA C21		CN C21		DBMS C21		LUNCH				TOC C11 GT C21 PCS C24		Seminar C21						
FRI	NT		C03							Tut DBMS Gp1/2/3/4 LR1,LR2,LR3,S01		TCom C11		EVS C11						

Duration of the Lectures will be 50 mins and 80 mins

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	HSS2xx	Introduction to Poetry	Saumya Kulshreshtha(G)	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	9-9:30	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			IE C24			Tut-Maths IV S02		LUNCH				F&W C03									
TUE	Maths IV C24	Tut - F&W S02				Tut-IE Gp 2 S01								PCS C24							
WED		Lab-IE Gp 1 L32												Tut-PCS S02							
THU	Maths IV C24	IE C24								F&W C03				PCS C24		Seminar C21		IPO C03			
FRI	Maths IV C24	Lab-F&W L31												TCom C11		EVS C11					

Duration of the Lectures will be 50 mins and 80 mins

Mandatory/ Elective	Course Code	Course Title	Instructor	Credit	Acronym
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	Tut-TOC		SSP	C13	CT	C12				
				RFCD	C03	SSB	C23				Tut-TOC		SCDT	C24	Socio	C21				
				SSSBB	C02	WSI	C22						DSys	C11	Ppsy	C01				
				RA	C22	FIN	C11						CAOS	C23	SC	C11				
				DBSI	C11	MSD	C24						IR	C12						
				MC	C23	SDN	C02													
TUE	NT	C03	MMBP	C13	AEA	C02							A&G	L21/C12	Lit	C24				
			AELD	C24	SE	C12							TOC	C11	TPEE	C12				
			DHCS	C11	Rob	C23							GT	C21	ITGov	C23				
			WN	C22	TMC	C24							PCSMA	C02	IGT	C02				
			IFA	C23	DSG	C03							OpCS	C22	BDA	C22				
WED				SSP	C13	PGM	C24							Faculty Meeting		CT	C12			
				SCDT	C24	GPU	C23						Lab-GPU	ML	Socio	C21				
				DSys	C11	OCS	C22						ENT II	C13	Ppsy	C01				
				CAOS	C23	ALG	C03						Lab-AELD	L33						
				IR	C12	ATA	C13						OE	C21			IPO	C03		
THU				CV	C13	MS	C13						A&G	L21/C12	Seminar C21					
				RFCD	C03	SSB	C23						TOC	C11						
				SSSBB	C02	WSI	C22						GT	C21						
				RA	C22	FIN	C11						PCSMA	C02						
				DBSI	C11	MSD	C24						OpCS	C22						
				MC	C23	SDN	C02						TAM	LR1						
FRI	NT	C03	MMBP	C13	AEA	C02							PGM	C24	Lit	C24				
			AELD	C24	SE	C12							GPU	C23	TPEE	C12				
			DHCS	C11	Rob	C23							OCS	C22	ITGov	C23				
			WN	C22	TMC	C24							ALG	C03	IGT	C02				
			IFA	C23	DSG	C03							Lab ATA	L31						
SAT			DSG Workshop													C03				

Duration of the Lectures will be 80 mins and 170 mins

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	Ponnurangam 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	PCSMA
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
ECE3xx	Solid State Devices	Pydi Ganga Mamba	2	SSD
ECE321/ECE521	RF Circuit Design	M S Hashmi	4	RFGD
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
ECE3MC	Mobile Communication	Anand Srivastava	4	MC
ECE3CA	Computer Architecture and Operating Systems	Puneet Goyal	4	CAOS
ECO302	Applied Econometric Analysis	Srustidhar Chand	4	AEA
ECO304	Introdcution 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

Offered Post Mid Sem

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	Topics in Applied Mathematics	Brijesh Eshpuniyani(V)	4	TAM
PHY303	Opto-Electronics	Subhash Chopra (G)	4	OE
COM504Z	Scientific Communication	Anubha Gupta	2	SC