

Course Offering Winter 2015

Course_Code	Title	Instructor 2014-15	Credits	On offer for
Core				
CSE102	Data Structures & Algorithms	Sandip Aine	4	UG-I Year
CSE112/ECE112	Computer Organization	Neeraj Goel (V)	4	UG-I Year
DES130	Intro. Engg. Design	Jyoti Sinha (V)	4	UG-I Year
MTH201	Probability & Statistics	Richa Singh + Mayank Vatsa	4	UG-I Year
COM301A	Technical Communication (2 cr)	Hemant Kumar + Pankaj Jalote	2	UG-II Year
CSE202	Fundamentals of Database Systems	Vikram Goyal	4	UG-II Year
CSE222	Algorithm Design & Analysis	Rajiv Raman	4	UG-II Year
CSE232	Computer Networks	Vinayak S Naik	4	UG-II Year
ECE230	Fields and Waves	M S Hashmi	4	UG-II Year
ECE214	Integrated Electronics	R N Biswas + Sujay Deb	4	UG-II Year
ECE240	Principles of Communication Systems	Pravesh Biyani	4	UG-II Year
MTH204	Math IV (Numerical Methods)	S C S Rao (G)	4	UG-II Year
ESC205A	Environmental Sciences (2 cr)	Suresh Jain (G)	2	UG
Elective				
BIO3xx/BIO5xx	Foundations of Biology - II (new)	Sriram K	4	UG/PG
BIO505	Introduction to Computational Neuroscience	Anubha Gupta	4	UG/PG
BIO5xx	Stochastic Simulations in System Biology and Biophysics	Subhadip Raychaudhuri	4	UG/PG
BIO301/BIO501	System Biology	Sriram k	4	UG/PG
CSE233	Network Administration	Vinayak S Naik	2	UG-II Year
CSE322	Theory of Computation	Astrid Kiehn	4	UG
CSE341/CSE541	Biometrics/Advanced Biometrics	Mayank Vatsa	4	UG/PG
CSE342/CSE542	Pattern Recognition	Richa Singh	4	UG/PG
CSE344/CSE544/ECE344/ ECE544	Computer Vision	Saket Anand	4	UG/PG
CSE3xx/5xx	Security Engineering (new)	Sambuddho Chakravarty	4	UG/PG
CSE501	Designing Human-Centred Systems	Ponnurangam K	4	UG/PG
CSE508	Information Retrieval	Srikanta Bedathur	4	UG/PG
CSE522	Verification of Reactive Systems	Astrid Kiehn	4	UG/PG
CSE530	Distributed Systems Security	H B Acharya	4	UG/PG
CSE5WN/ECE5WN	Wireless Networks	Sanjit kaul	4	UG/PG
CSE5xx	Introduction to Quantum Computing (new)	Debajyoti Bera	4	UG/PG
CSE5xx	Programming Cloud Services for Mobile Applications (new)	Pushpendra Singh	4	UG/PG
CSE3xx	Practice of Programing (new)	Rahul Purandare	4	UG/PG

CSE5xx	GPU Computing (new)	Ojaswa Sharma	4	UG/PG
CSE5xx	Probabilistic Graphical Models (new)	Chetan Arora	4	UG/PG
CSE3xx/CSE5xx	Complexity Theory(New)	Debajyoti Bera	4	UG/PG
CSE602	Program Optimization	Apala Guha	4	UG/PG
CSE645	Digital and Cyber Forensics	Guest Faculty	4	UG/PG
CSE694F	Multimedia Security	A V Subramanayam	4	UG/PG
CSE700/ECE700	Effective Teaching	Pankaj Jalote	4	PG
CSE735	Advanced Topics in Mobile Computing	Pushpendra Singh	4	PG
CSE793A	Topics in Cryptanalysis	Donghoon Chang	4	UG/PG
DES302	Animation and Graphics	Manohar Khushalani (V)	4	UG
ECE452/ECE552	Statistical Signal Processing (new)	Angshul Majumdar+ Saket Anand	4	UG/PG
ECE470/ECE670	Robotics	Jyoti Sinha	4	UG/PG
ECE516	System on Chip Design and Test	Sujay Deb	4	UG/PG
ECE539	Wireless System Implementation (new)	Vivek Bohara	4	UG/PG
ECE573	Advanced Embedded Logic Design (AELD)	Alexander Fell	4	UG/PG
ECE5xx	Advanced Image Processing (new - 2 cr)	Angshul Majumdar	2	UG/PG
ECE5xx	Special Topics RF Circuit Design (new - 2 cr)	M S Hashmi	2	UG/PG
ECE5OCS	Optical Communication Systems(New)	Anand Srivastava	4	UG/PG
ECE4xx/ECE5xx	Antennas Theory and Design	Shobha Sundar Ram	4	UG/PG
ECE672	Stochastic Estimation and Control (new - 2 cr)	Sachit Butail	2	UG/PG
ECE5xx	Principles of Digital Communication System (new)	Anand Srivastava	4	UG/PG
ECE5GICT	Green Information and Communication Technology(new)	Sumit Darak	4	PG
ECO302	Applied Econometric Analysis	Shreemoy Mishra	4	UG
ENT402	Entrepreneurship as Career II	Hemant Kumar	2	UG
HSS203	Introduction to the Study of Literature	Honey Jhalani (G)	4	UG
HSS204	Introduction to Psychology	Kailash Tuli (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
HSS213	Issues in Contemporary World	Uma Shanker Singh (G)	4	UG
HSS2xx	Positive Psychology	Akshay Kumar(G)	4	UG
MTH303	Graph Theory	Samaresh Chatterji	4	UG/PG
MTH502	Number Theory	Balkrishna Shetty (G)	4	UG/PG
PHY3xx	Opto-Electronics (new)	Subhash Chopra (G)	4	UG

BTech Ist Year (Batch 2013-14)-Winter Semester 2015

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		CO C01			Lab-IED Gp 3 L33				LUNCH	Lab-IED Gp 4 L33					CT	C21	
	Lab-DSA Gp 4/5/6 L21,L22,L23				Lab-DSA Gp 1/2/3 L21,L22,L23					Socio	C22	Psy			C02		
TUE	PS C01		DSA C01	Tut-DSA Gp 1/2/3 LR1,LR2,LR3				Lab-IED Gp 2 L33					Lit	C13			
				Lab-IED Gp 5 L33				Tut-PS Gp 4/5/6 LR1,LR2,LR3						TPEE		C24	PPsy
WED		CO C01			IED C01					Lab-IED Gp6 L33					CT	C21	
	Tut-PS Gp 1/2/3 LR1,LR2,LR3				Lab-IED Gp1 L33						Socio	C22			Psy	C02	
THU	PS C01		DSA C01	Lab-CO Gp 4/5/6 L21,L22,L23				Tut-DSA Gp 4/5/6 LR1,LR2,LR3					Seminar C21				
				Tut-CO Gp 1/2/3 LR1,LR2,LR3				IED C01									Lit
FRI	PS C01		DSA C01	Lab-CO Gp 1/2/3 L21,L22,L23													
				Tut-CO Gp 4/5/6 LR1,LR2,LR3													

Mandatory /Elective	Course Code	Course Title	Instructor	Credit	Accronym
Mandatory	CSE102	Data Structures & Algorithms	Sandip Aine	4	DSA
Mandatory	CSE112/ECE112	Computer Organization	Neeraj Goel (V)	4	CO
Mandatory	DES130	Introduction to Engineering Design	Jyoti Sinha	4	IED
Mandatory	MTH201	Probability & Statistics	Richa Singh + Mayank Vatsa	4	PS
Elective	HSS203	Introduction to Study of Literature	Honey Jalhani (G)	4	Lit
Elective	HSS208	Theory and Practice of Engineering	Raj Ayyar	4	TPEE
Elective	HSS212	Critical Thinking	Raj Ayyar	4	CT
Elective	HSS213	Issues in Contemporary World	Uma Shanker Singh (G)	4	ICW
Elective	HSS205	Introduction to Sociology	Duru Arun Kumar (G)	4	Socio
Elective	HSS204	Introduction to Psychology	Kailash Tuli (G)	4	Psy
Elective	HSS2PP	Positive Psychology	Akshay Kumar (G)	4	Ppsy

BTech 2nd Year (CSE)-Winter Semester 2015

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		Tut-CN Gp 1/2/3/4 LR2,LR3,S01,S02			CN C21		ADA C21		LUNCH		Tut-PCS LR1								
TUE		NA C24			CN C21		ADA C21				Tut-TOC LR2		TOC C13 NT C02						
WED		Tut-ADA Gp1/2/3/4 LR1,LR2,LR3,S01			DBMS C21						Faculty Meeting								
THU		Lab-ADA Gp 1/2/3/4 L21,L22,L23			CN C21		ADA C21					TOC C13 NT C02		GT C01		FOB-II C22		PCS C03	
FRI					DBMS C21						TCom C21		EVS C21		Seminar C21				

Mandatory /Elective	Course Code	Course Title	Instructor	Credit	Accronym
Mandatory	CSE202	Fundamentals of Database Systems	Vikram Goyal	4	DBMS
Mandatory	CSE222	Algorithm Design & Analysis	Rajiv Raman	4	ADA
Mandatory	CSE232	Computer Networks	Vinayak S Naik	4	CN
Mandatory	COM301A	Technical Communication	Hemant Kumar+Pankaj Jalote	2	Tcom
Mandatory	ESC205A	Environmental Sciences	Suresh Jain(G)	2	EVS
Elective	BIO3FOB/ BIO5FOB	Foundations of Biology-II	Sriram K	4	FOB-II
Elective	CSE322	Theory of Computation	Astrid Kiehn	4	TOC
Elective	MTH302	Graph Theory	Samaresh Chatterji	4	GT
Elective	ECE240	Principles of Communication Systems	Pravesh Biyani	4	PCS
Elective	CSE233	Network Administration	Vinayak S Naik	2	NA
Elective	MTH502	Number Theory	Balakrishna Shetty(G)	4	NT

Eng/SC/Math Course

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Eng/SC/Math Course

BTech 2nd Year (ECE)-Winter Semester 2015

Day	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			F&W C03			LUNCH		Tut-PCS Gp 1/2 LR1		Tut-IE LR1		Tut-Maths IV LR1					Maths IV C03	
TUE			IE C03					PCS C03			Tut-F&W LR1							
WED		Lab-IE Gp2	L33					Lab-F&W	L31									
THU			F&W C03					PCS C03					Seminar C21					Maths IV C03
FRI			IE C03					TCom C21				EVS C21						

Course Code	Course Title	Instructor	Credit	Accronym
ECE230	Fields and Waves	M S Hashmi	4	F&W
ECE214	Integrated Electronics	R N Biswas+Sujay Deb	4	IE
MTH204	Math IV (Numerical Methods)	S C S Rao (G)	4	Maths IV
COM301A	Technical Communication	Hemant Kumar + Pankaj Jalote	2	Tcom
ESC205A	Environmental Sciences	Suresh Jain (G)	2	EVS
ECE240	Principles of Communication Systems	Pravesh Biyani	4	PCS

Eng/SC/Math Course

Btech 3rd Year, Btech 4th Year, Mtech 1st year, Mtech 2nd Year & PhD's-Winter Semester 2015

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		CV C13	GPU C24	MS C11	LUNCH				ENT-II C03						CT C21				
	STRFCD C03		TC C13						SSP C13										
	SSSB C22		WSI C02						IQC C22			Psy C02							
	VRS C23		CMPT C22						Dsys C21			ET C13							
	AIP LR1								AELD C23										
	SEC LR1								Tut TOC LR2										
TUE		PP C21		ATD C24	LUNCH				FOB-II C22						Lit C13				
	SCDT C02		AEA C22						NT C02										
	DHCS C11		SE C01						TOC C13			TPEE C24							
	SB C22		PGM C23						GT C01			Ppsy C01							
	WN C23		Rob C02						PR C21			DCF C22							
	PO C03								PCSMA C11										
WED		ENT-II C03		BIOM C22	LUNCH									CT C21					
	SSP C13		ATMC C23																Socio C22
	IQC C22		IR C11																Psy C02
	Dsys C21		Neuro C13																ET C13
	AELD C23		OCS C03																
			GICT C24																
THU		CV C13	GPU C24	MS C11	LUNCH				FOB-II C22										Seminar C21
	STRFCD C03		TC C13						NT C02										
	SSSB C22		WSI C02						TOC C13										
	VRS C23		CMPT C22						GT C01										
	AIP LR1								PR C21										
	SEC LR1								PCSMA C11										
FRI		PP C21		ATD C24	LUNCH				BIOM C22						Lit C13				
	SCDT C02		AEA C22						ATMC C23										
	DHCS C11		SE C01						IR C11			TPEE C24							
	SB C22		PGM C23						Neuro C13			Ppsy C01							
	WN C23		Rob C02						OCS C03			DCF C22							
	PO C03								GICT C24										
SAT	Lab-DCF L21																		

Course Code	Course Title	Instructor	Credit	Acronym
BIO3xx/BIO5xx	Foundations of Biology-II	Sriram K	4	FOB-II
BIO505	Introduction to Computational Neuroscience	Anubha Gupta	4	Neuro

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BIO5xx	Stochastic Simulations in System Biology and Biophysics	Subhadip Raychaudhuri	4	SSSBB
BIO301/BIO501	System Biology	Sriram K	4	SB
CSE322	Theory of Computation	Astrid Kiehn	4	TOC
CSE341/CSE541	Biometrics/Advanced Biometrics	Mayank Vatsa	4	BIOM
CSE342/542	Pattern Recognition	Richa Singh	4	PR
CSE344/CSE544/ ECE344/ ECE544	Computer Vision	Saket Anand	4	CV
CSE3xx/CSE5xx	Security Engineering	Sambuddho	4	SE
CSE501	Designing Human-Centred Systems	Ponnurangam K	4	DHCS
CSE508	Information Retrieval	Srikanta Bedathur	4	IR
CSE522	Verification of Reactive Systems	Astrid Kiehn	4	VRS
CSE530	Distributed Systems Security	H B Acharya	4	DSys
CSE5WN/ECE5WN	Wireless Networks	Sanjit Kaul	4	WN
CSE5xx	Introduction to Quantum Computing	Debajyoti Bera	4	IQC
CSE5xx	Programming Cloud Services for Mobile Applications	Pushpendra Singh	4	PCSMA
CSE3xx	Practice of Programming	Rahul Purandare	4	PP
CSE5xx	GPU Computing	Ojaswa Sharma	4	GPU
CSE5xx	Probabilistic Graphical Models	Chetan Arora	4	PGM
CSE3xx/CSE5xx	Complexity Theory	Debajyoti Bera	4	CMPT
CSE602	Programm Optimization	Apala Guha	4	PO
CSE645	Digital and Cyber Forensics	Guest Faculty	4	DCF
CSE694F	Multimedia Security	A V Subramanyam	4	MS
CSE700/ECE700	Effective Teaching	Pankaj Jalote	4	ET
CSE734	Advanced Topics in Mobile Computing	Pushpendra Singh	4	ATMC
CSE793A	Topics in Cryptanalysis	Donghoon Chang	4	TC
ECE452/ECE552	Statistical Signal Processing	Angshul Majumdar + Saket Anand	4	SSP
ECE516	System on Chip Design and Test	Sujay Deb	4	SCDT
ECE539	Wireless System Implementation	Vivek Bohara	4	WSI
ECE573	Advanced Embedded Logic Design	Alexander Fell	4	AELD
ECE355/ECE555	Advanced Image Processing	Angshul Majumdar	2	AIP
ECE4xx/ECE5xx	Antennas Theory and Design	Shobha Sundar Ram	4	ATD
ECE5xx	Special Topics in RF Circuit Design	M S Hashmi	2	STRFCD
ECE5OCS	Optical Communication Systems	Anand Srivastava	4	OCS
ECE470/ECE670	Robotics	Jyoti Sinha	4	Rob
ECE672	Stochastic Estimation and Control	Sachit Butail	2	SEC
ECE5xx	Principles of Digital Communication System	Anand Srivastava	4	PDCS

Eng/SC/Math Course

Pre Mid Sem

Post Mid Sem

ECE5GICT	Green Information and Communication Technology	Sumit Darak	4	GICT
ECO302	Applied Econometric Analysis	Shreemoy Mishra	4	AEA
ENT402	Entrepreneurship as Career II	Hemant Kumar	2	ENT-2
ESC2EVS	Environmental Sciences	Suresh Jain (G)	2	EVS
DES302	Animation and Graphics	Manohar Khushalani (V)	4	AG
HSS203	Introduction to Study of Literature	Honey Jalhani(G)	4	Lit
HSS208	Theory and Practice of Engineering Ethics	Raj Ayyar(V)	4	TPEE
HSS212	Critical Thinking	Raj Ayyar(V)	4	CT
HSS213	Issues in Contemporary World	Uma Shanker Singh (G)	4	ICW
HSS205	Introduction to Sociology	Duru Arun Kumar (G)	4	Socio
HSS204	Introduction to Psychology	Kailash Tuli(G)	4	Psy
HSS2PP	Positive Psychology	Akshay Kumar(G)	4	Ppsy
MTH303	Graph Theory	Samaresh Chatterji	4	GT
MTH502	Number Theory	Balkrishna Shetty (G)	4	NT
PHY302	Opto-Electronics	Subhash Chopra (G)	4	OE

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