

Course List - Monsoon 2015

Course Code	Title	Instructor 2015-16	Credits	Accronym	Open for
Core					
COM101	Communications Skills	K M Pathi(G)+Rekha Shorey(G)+Honey Jhalani(G)	4	COM	UG Ist Year
CSE101	Intro to Programming	Vikram Goyal	4	IP	UG Ist Year
CSE131	Systems Management	Jyoti Sinha (V)	4	SM	UG Ist Year
CSE111/ECE111	Digital Circuits	GS Visweswaran (V)	4	DC	UG Ist Year
MTH100	Maths I	Samaresh Chatterji	4	Maths I	UG Ist Year
CSE121	Discrete Mathematics	Somitra Sanadhya	4	DM	UG-CSE-II nd Year
CSE201	Advanced Programming	Chetan Arora	4	AP	UG-CSE-II nd Year + ECE-II nd Year, Elective
CSE231	Operating Systems	Pushpendra Singh	4	OS	UG-CSE-II nd Year
ECE213	Linear Circuits	Shobha Sundar Ram	4	LC	UG-ECE-II nd Year
ECE250	Signals & Systems	A V Subramanyam	4	S&S	UG-ECE-II nd Year + CSE-II nd Year, Elective
ECE270	Embedded Logic Design	Alexander Fell	4	ELD	UG-ECE-II nd Year + CSE-II nd Year, Elective
MTH203	Maths III	Samaresh Chatterji	4	Maths III	UG-ECE-II nd Year + CSE-II nd Year, Elective
Electives					
BIO303/BIO503	Introduction to Mathematical Biology	Subhadip Raychaudhuri	4	IMB	UG-CSE & ECE, PG-CB Core
BIO404/BIO6xx	Molecular Mechanics and Biological Physics/Biosimulations (New)	Arnab Bhattacharjee	4	MMBP	UG/PG-CSE, ECE & CB
BIO601	Foundations of Modern Biology (New)	Sriram K	4	FOMB	UG/PG-CSE&ECE, PG-CB Core
CSE230	System Administration (2 cr)	Vinayak Naik	2	SA	UG-CSE-II nd Year-Selected Students
CSE300	Software Engineering	Manish Shrotriya (V)	4	SE	UG/PG -CSE
CSE301/CSE601	Compilers	Apala Guha	4	CMP	UG/PG -CSE
CSE333/CSE533	Computer Graphics	Ojaswa Sharma	4	CG	UG/PG -CSE
CSE340/CSE540/ ECE350	Image Analysis/ Digital Image Processing	Mayank Vatsa	4	IA	UG-CSE & ECE/PG -CSE
CSE343/CSE543	Machine Learning	Richa Singh	4	ML	UG/PG -CSE
CSE345/CSE545	Foundations of Computer Security	Donghoon Chang	4	FCS	UG/PG -CSE
CSE319/CSE519	Modern Algorithm Design (New)	Rajiv Raman	4	MAD	UG/PG -CSE
CSE350/CSE550	Network Security	H B Acharya	4	NS	UG/PG -CSE
CSE500	Secure Coding	Ferdous Ahmed Barbhuiya + Shuva Deb(G)	4	SC	UG/PG -CSE
CSE503	Program Analysis	Rahul Purandare	4	PA	UG/PG -CSE
CSE506	Data Mining	Vikram Goyal	4	DMG	UG/PG -CSE
CSE521	Logic for Computer Science	Astrid Keihn	4	LCS	UG/PG -CSE

CSE525/ BIO5ACB	Graduate Algorithms/ Algorithms in Computational Biology	Debajyoti Bera	4	GA	PG-CSE, PG-CB Core
CSE531	Multiagent Systems	P B Sujit	4	MAS	UG/PG -CSE
CSE534	Advanced Networks (New)	Dheeraj Sanghi (V)	4	AN	UG/PG -CSE
CSE535	Mobile Computing	Vinayak Naik	4	MC	UG/PG -CSE
CSE546	Applied Cryptography	Somitra Sanadhya	4	AC	UG/PG -CSE
CSE576/ECE576	Smart Sensing for Internet of Things (New)	Srikanth Saripalli (V)	4	SSIoT	UG/PG-CSE & ECE
CSE5xx	Introduction to Spatial Computing(New)	Vishwanath Gunturi	4	ISC	UG/PG -CSE
CSE5xx/ECE5xx	Object Oriented Programming & Design(New)	Manish Shrotriya (V)	2	OOPD	Mtech 1st Year-CSE, ECE & CB Core
CSE632	Semantic Web	Anupama Mallik (G)	4	Sweb	UG/PG -CSE
CSE642	Advanced Pattern Recognition and Machine Learning	Richa Singh+Maynak Vatsa	4	APRML	UG/PG-CSE
CSE643	Artificial Intelligence	Sandip Aine	4	AI	UG/PG -CSE
CSE648	Privacy and Security in Online Social Media	Ponnurangam K	4	PSOSM	UG/PG -CSE
CSE749	Network Anonymity and Privacy	Sambuddho Chakravarty	4	NAP	PG-CSE
DES303	Non-Linear Editing	Manohar Khushalani (V)	4	NLE	UG-CSE & ECE
ECE305/ECE505/ MTH3EO/MTH5EO	Engineering Optimization	Pravesh Biyani	4	EO	UG/PG - CSE & ECE
ECE314/ECE514	Digital VLSI Design	Sujay Deb	4	DVD	UG/PG-ECE
ECE315/ECE515	Analog CMOS Circuit Design	M S Hashmi	4	CMOS	UG/PG-ECE
ECE340	Digital Communication Systems	Vivek Bohra	4	DCS	UG-ECE
ECE351	Digital Signal Processing	Anubha Gupta+ Sumit Darak	4	DSP	UG-ECE
ECE453/ECE553	Advanced Signal Processing	Anubha Gupta	4	ASP	UG/PG-ECE
ECE454/ECE554	Compressive Sensing	Angshul Majumdar	4	CS	UG/PG -CSE
ECE5CN	Communication Networks (New)	Sanjit Kaul	4	CN	UG/PG -ECE
ECE501	Probability and Random Processes	Sanjit Kaul	4	PRP	UG/PG -ECE
ECE535	Green Information and Communication Technology	Sumit Darak	4	GICT	UG/PG -ECE
ECE556S	Multimedia Compression (2 credit - New)	A V Subramanyam	2	MMC	UG/PG -ECE
ECE570	Control Theory	P B Sujit	4	CNT	UG/PG -ECE
ECE5PDC	Principles of Digital Communication System	Anand Srivastava	4	PDCS	PG-ECE
ECO301	Introduction to Economic Analysis	Srustidhar Chand	4	IEA	UG-CSE&ECE
ECE632	Radar Systems (New)	Shobha Sundar Ram	4	RS	UG/PG -ECE
ENT401	Entrepreneurship	Hemant Kumar	2	ENT	UG -CSE & ECE
HSS101	Technology and Society	Duru Arun Kumar (G)	4	T&S	UG -CSE & ECE
HSS204	Introduction to Psychology	Akshay Kumar (V)	4	Psy	UG -CSE & ECE
HSS210	History of the Indian National Movement	Uma Shanker Singh (G)	4	His	UG -CSE & ECE
HSS211	Theatre Appreciation	Manohar Khushalani (V)	4	TA	UG -CSE & ECE
HSS212	Critical Thinking	Raj Ayyar (V)	4	CT	UG -CSE & ECE
HSS218	Philosophy of Religion (New)	Raj Ayyar (V)	4	PoR	UG -CSE & ECE

MGT310	Effective Supply Chain Management for E-Commerce Businesses (New)	Sanjiva Dubey(G)	4	SCM	UG -CSE & ECE
MTH401/MTH601	Modelling Complex Systems	Sachit Butail	4	MCS	UG/PG - CSE & ECE
MTH305/MTH505	Linear Optimization	Saket Anand+ Rajiv Raman	4	LO	UG/PG - CSE & ECE
PHY301	Physics - I	Subhash Chopra (G)	4	Phy	UG -CSE & ECE

B.Tech 1st Year (Batch 2015-16) - Monsoon Semester 2015

Day	9-9.30	9.30-10	10-10.30	10.30-11	11-11.30	11.30-12	12-12.30	12.30-01	01-01.30	1.30-02	02-02.30	02.30-03	03-03.30	03.30-04	04-04.30	04.30-05	05-05.30	5:30-06	
Mon			IP C01			DC C01		MATHS I C01		LUNCH	Tut-IP Gp 1,2,3,4,5,6 LR1,LR2,LR3,S01,S02,C22			Tut-MATHS I Gp 1,2,3,4,5,6 LR2,LR3,S01,S02,C22,C13					
Tue			SM C01			DC C01		MATHS I C01			Lab-SM Gp 4,5,6 L21,L22,L23								
											Lab-DC-Gp 1 L33								
Wed			Com Gp 1,2,3			C22,C23,C03						Com Gp 4,5,6			C22,C23,C03				
		Lab-DC Gp 6 L33				Lab-IP Gp 4,5,6 L21, L22, L23					Tut-DC Gp 1,2,3 LR1,LR2,LR3			Lab-DC-Gp 3 L33					
Thurs			IP C01			DC C01		MATHS I C01		LUNCH	Lab-DC-Gp 2 L33			SEMINAR					
											Tut-DC Gp 4,5,6 LR1,LR2,LR3								
Fri			SM C01			Lab-DC Gp 4 L33					Lab-DC Gp 5 L33								
						Lab-SM Gp 1,2, L21,L22,L23				Lab-IP Gp 1,2,3 L21, L22, L23									

Student Clubs & Activity Slot

Mandatory/ Elective	Course Code	Course Name	Instructor	Credit	Acronym
Mandatory	COM101	Communications Skills	Rekha Shorey (G) + K M Pathi (G) + Honey J (G)	4	Com
Mandatory	CSE101	Intro to Programming	Vikram Goyal	4	IP
Mandatory	CSE11/ECE111	Digital Circuits	GS Visweswaran (V)	4	DC
Mandatory	CSE131	Systems Management	Jyoti Sinha (V)	4	SM
Mandatory	MTH100	Math I	Samaresh Chatterji	4	MATHS I

B.Tech 2nd Year (CSE) - Monsoon 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
Mon		MATHS III C21		ELD C12		AP C21			Tut OS Gp 1,2,3,4 LR1,LR2,LR3,S01			SA C23			CT Psy T&S	LR1 C01 C24		
															Tut Math III Gp 1,2	C23/C12		
															Students Clubs & Activity Slot			
Tue		S&S C12		ELD C12		DM C21		Tut-DM Gp 1,2,3,4 LR1,LR2,LR3,S01						OS C21		PoR IEA	C24 C02	
				Lab S&S Gp 2	L32											Tut Math III Gp 3,4	C23/LR1	
				Tut S&S Gp 1	LR1											TA	C12	
Wed		MATHS III C21		S&S C12		AP C21						Lab AP - Gp 1,2,3,4 L21, L22, L23			CT Psy T&S	LR1 C01 C24		
		Lab ELD		L32											TA	C12		
Thurs		MATHS III C21		ELD C12		DM C21					AP C21		OS C21		SEMINAR			
				Lab S&S Gp 1	L32													
				Tut S&S Gp 2	LR1													
Fri		S&S C12		Tut AP - Gp 1,2,3,4 LR2,LR3,S01,S02		DM C21						OS C21			PoR IEA	C24 C02		
															Students Clubs & Activity Slot			

Mandatory/ Elective	Course Code	Course Name	Instructor	Credits	Course Code
Mandatory	CSE121	Discrete Mathematics	Somitra Sanadhya	4	DM
Mandatory	CSE201	Advanced Programming	Chetan Arora	4	AP
Mandatory	CSE231	Operating Systems	Pushpendra Singh	4	CO
Elective	CSE230	System Administration	Vinayak Naik	2	SA
EngSc Elective	MTH203	Math-III	Samareesh Chatterji	4	MATH-III
EngSc Elective	ECE250	Signal & Systems	A V Subramanyam	4	S&S
EngSc Elective	ECE270	Embeded Logic Design	Alexander Fell	4	ELD
HSS Elective	HSS101	Technology and Society	Duru Arun Kumar (G)	4	T&S
HSS Elective	HSS204	Introduction to Psychology	Akshay Kumar (V)	4	Psy
HSS Elective	HSS212	Critical Thinking	Raj Ayyar (V)	4	CT
HSS Elective	HSS218	Philosophy of Religion	Raj Ayyar (V)	4	PoR
HSS Elective	ECO301	Introduction to Economic Analysis	Srushtidhar Chand	4	IEA
HSS Elective	HSS211	Theatre Appreciation	Manohar Khushlani	4	TA

B.Tech 2nd Year (ECE) - Monsoon 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	2-02.30	2.30-3	3-3.30	3.30-4	4-4.30	4.30-5	5-5.30	5:30-6
Mon		MATHS III C21		ELD C12		AP C21								Lab - LC - L33	CT Psy T&S		LR1 C01 C24	
																	Tut Maths III Gp1,2	C23/C12
																		Students Clubs & Activity Slot
Tue		S&S C12		ELD C12		LC C22					Lab ELD -L32				PoR IEA		C24 C02	
																	Tut Maths III Gp 3,4	C23/LR1
																	TA	C12
Wed		MATHS III C21		S&S C12		AP C21						Lab AP L21			CT Psy T&S		LR1 C01 C24	
																	TA	C12
Thurs		MATHS III C21		ELD C12		LC C22					AP C21				SEMINAR			
Fri		S&S C12		Tut S&S-Gp 2-LR1 Lab S&S-Gp 1-L32		LC C22						Tut S&S -Gp 1-LR1 Lab S&S-Gp 2-L32			PoR IEA		C24 C02	
																	Tut AP	LR1
																		Students Clubs & Activity Slot

Mandatory/ Elective	Course Code	Course Name	Instructor	Credits	Accronym
Mandatory	ECE270	Embedded Logic Design	Alexander Fell	4	ELD
Mandatory	ECE250	Signal & Systems	A V Subramanyam	4	S&S
Mandatory	MTH203	Math-III	Samaresh Chatterji	4	MATH-III
Mandatory	ECE213	Linear Circuits	Shobha Sundar Ram	4	CTD
Elective	CSE201	Advanced Programming	Chetan Arora	4	AP
HSS Elective	HSS101	Technology and Society	Duru Arun Kumar (G)	4	T&S
HSS Elective	HSS204	Introduction to Psychology	Akshay Kumar (V)	4	Psy
HSS Elective	HSS212	Critical Thinking	Raj Ayyar (V)	4	CT
HSS Elective	HSS218	Philosophy of Religion	Raj Ayyar (V)	4	PoR
HSS Elective	ECO301	Introduction to Economic Analysis	Srushtidhar Chand	4	IEA
HSS Elective	HSS211	Theatre Appreciation	Manohar Khushlani	4	TA

B.Tech 3rd & 4th Year, M.Tech 1st & 2nd year, Ph.D - Monsoon Semester 2015

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Course Code	Course Name	Instructor	Credits	Accronym
BIO303/BIO503	Introduction to Mathematical Biology	Subhadip Raychaudhuri	4	IMB
BIO404/BIO6xx	Molecular Mechanics and Biological Physics/Biosimulations	Arnab Bhattacharjee	4	MMBP
BIO601	Foundations of Modern Biology	Sriram K	4	FOMB
CSE300	Software Engineering	Manish Shrotriya (V)	4	SE
CSE301/CSE601	Compilers	Apala Guha	4	CMP
CSE319/CSE519	Modern Algorithm Design (new)	Rajiv Raman	4	MAD
CSE333/CSE533	Computer Graphics	Ojaswa Sharma	4	CG
CSE340/CSE540 /ECE350	Image Analysis/ Digital Image Processing	Mayank Vatsa	4	IA
CSE343/CSE543	Machine Learning	Richa Singh	4	ML
CSE345/CSE545	Foundations of Computer Security	Donghoon Chang	4	FCS
CSE350/CSE550	Network Security	H B Acharya	4	NS
CSE500	Secure Coding	Ferdous Ahmed Barbhuiya + Shuva Deb(G)	4	SC
CSE503	Program Analysis	Rahul Purandare	4	PA
CSE506	Data Mining	Vikram Goyal	4	DMG
CSE521	Logic for Computer Science	Astrid keihn	4	LCS
CSE525/ BIO5ACB	Graduate Algorithms/ Algorithms in Computational Biology	Debajyoti Bera	4	GA
CSE531	Multiagent Systems	P B Sujit	4	MAS
CSE534	Advanced Networks (new)	Dheeraj Sanghi(V)	4	AN
CSE535	Mobile Computing (MC)	Vinayak Naik	4	MC
CSE546	Applied Cryptography (AC)	Somitra Sanadhya	4	AC
CSE576/ECE576	Smart Sensing for Internet of Things	Srikanth Saripalli(V)	4	SSIoT
CSE5xx	Introduction to Spatial Computing	Vishwanath Gunturi	4	ISC
CSE5xx/ECE5xx	Object Oiented Programming & Design	Manish Shrotriya (V)	2	OOPD
CSE632	Semantic Web	Anupama Mallik (G)	4	Sweb
CSE642	Advanced Pattern Recognition and Machine Learning	Richa Singh + Mayank Vatsa	4	APRML
CSE643	Artificial Intelligence	Sandip Aine	4	AI
CSE648	Privacy and Security in Online Social Media	Ponnurangam K	4	PSOSM
CSE749	Network Anonymity and Privacy	Sambuddho Chakravarty	4	NAP

DES303	Non-Linear Editing	Manohar Khushalani (V)	4	NLE
ECE305/ECE505/ MTH3EO/MTH5EO	Engineering Optimization	Pravesh Biyani	4	EO
ECE314/ECE514	Digital VLSI Design	Sujay Deb	4	DVD
ECE315/ECE515	Analog CMOS Circuit Design	M S Hashmi	4	CMOS
ECE340	Digital Communication Systems	Vivek Bohra	4	DCS
ECE351	Digital Signal Processing	Anubha Gupta + Sumit Darak	4	DSP
ECE453/ECE553	Advanced Signal Processing	Anubha Gupta	4	ASP
ECE454/ECE554	Compressive Sensing	Angshul Majumdar	4	CS
ECE5CN	Communication Networks (new)	Sanjit Kaul	4	CN
ECE501	Probability and Random Processes	Sanjit Kaul	4	PRP
ECE535S	Green Information and Communication Technology	Sumit Darak	4	GICT
ECE556S	Multimedia Compression (2 credit - new)	A V Subramanyam	2	MMC
ECE570	Control Theory	P B Sujit	4	CNT
ECE5PDC	Principles of Digital Communication System	Anand Srivastava	4	PDCS
ECE632	Radar Systems (new)	Shobha Shundar Ram	4	RS
ECO301	Introduction to Economic Analysis	Srustidhar Chand	4	IEA
ENT401	Entrepreneurship	Hemant Kumar	2	ENT
HSS101	Technology and Society	Duru Arun Kumar (G)	4	T&S
HSS204	Introduction to Psychology	Akshay Kumar (V)	4	Psy
HSS210	History of the Indian National Movement	Uma Shanker Singh (G)	4	His
HSS211	Theatre Appreciation	Manohar Khushalani (V)	4	TA
HSS212	Critical Thinking	Raj Ayyar (V)	4	CT
HSS218	Philosophy of Religion (new)	Raj Ayyar (V)	4	PoR
MGT301	Effective Supply Chain Management for E-Commerce Businesses	Sanjiva Dubey (G)	4	SCM
MTH401/MTH601	Modelling Complex Systems	Sachit Butail	4	MCS
MTH305/MTH505	Linear Optimization	Saket Anand + Rajiv Raman	4	LO
PHY301	Physics - I	Subhash Chopra (G)	4	Phy