

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

M.Tech. (Communication Systems)

[illegible]

Program Elective Courses (Communication Systems)

Teaching Scheme					Contact Hours/ Week			Exam Duration		Relative Weight (%)				
S. No.	Subject Code	Course Title	Subject Area	Credits	L	T	P	Theory	Practical	CWS	PRS	MTE	ETE	PRE
1.	ECN-514	Detection and Estimation Theory	PEC	4	3	1	0	3	0	20-35	-	20-30	40-50	-
2.	ECN-612	Wireless Networks	PEC	4	3	1	0	3	0	20-35	-	20-30	40-50	-
3.	ECN-613	Telecommunication Networks	PEC	4	3	1	0	3	0	20-35	-	20-30	40-50	-
4.	ECN-614	Adaptive Signal Processing Techniques	PEC	4	3	0	2	3	0	10-15	10-20	20-30	40-50	-
5.	ECN-615	Advanced Coding Theory	PEC	4	3	0	2	3	0	10-15	10-20	20-30	40-50	-
6.	ECN-616	Speech and Audio Processing	PEC	4	3	0	2	3	0	10-15	10-20	20-30	40-50	-
7.	ECN-617	Image Processing and Computer Vision	PEC	4	3	0	2	3	0	10-15	10-20	20-30	40-50	-
8.	ECN-618	Wireless Technologies: 5G and Beyond	PEC	4	3	1	0	3	0	20-35	-	20-30	40-50	-
9.	ECN-619	Introduction to Compressed Sensing	PEC	4	3	1	0	3	0	20-35	-	20-30	40-50	-
10.	ECN-620	Advanced Wireless Communication	PEC	4	3	1	0	3	0	20-35	-	20-30	40-50	-
11.	ECN-531	Microwave Engineering*	PEC	4	3	1	0	3	0	20-35	-	20-30	40-50	-
12.	ECN-539	Fiber Optic Systems*	PEC	4	3	1	0	3	0	20-35	-	20-30	40-50	-
13.	ECN-550	Radar Signal Processing*	PEC	4	3	1	0	3	0	20-35	-	20-30	40-50	-
14.	ECN-555	Microwave Imaging*	PEC	4	3	1	0	3	0	20-35	-	20-30	40-50	-
15.	ECN-573	Digital VLSI Circuit Design*	PEC	4	3	1	0	3	0	20-35	-	20-30	40-50	-
16.	ECN-594	VLSI Digital Signal Processing*	PEC	4	3	1	0	3	0	20-35	-	20-30	40-50	-
17.	ECN-631	RF Receiver Design*	PEC	4	3	1	0	3	0	20-35	-	20-30	40-50	-
18.	ECN-634	Low Voltage CMOS Circuit Operation	PEC	4	3	1	0	3	0	20-35	-	20-30	40-50	-
19.	ECN-635	Magnetic Random Access Memory	PEC	4	3	1	0	3	0	20-35	-	20-30	40-50	-
20.	ECN-636	ADVANCED MILLIMETER-WAVE CHARACTERIZATION AND TECHNIQUES	PEC	4	3	1	0	3	0	20-35	-	20-30	40-50	-
21.	ECN-637	MICROWAVE PHOTONIC ICs	PEC	4	3	1	0	3	0	20-35	-	20-30	40-50	-
22.	ECN-638	RF INTEGRATED CIRCUIT DESIGN FOR mmWAVE RADIO	PEC	4	3	1	0	3	0	20-35	-	20-30	40-50	-

*Courses offered from other specialization groups of the ECE department