

CENTRE FOR NANOTECHNOLOGY

M.Tech. (Nanotechnology)

[illegible]

Program Elective Courses (Nanotechnology)

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.	NTN-601	Structural Analysis of Nanomaterials	PEC	4	3	1	0	3	-	25	-	25	50	-
2.	NTN-602	Technology of Nanostructured Fabrications	PEC	4	3	1	0	3	-	25	-	25	50	-
3.	NTN-603	Supramolecular Chemistry of Nanomaterials	PEC	4	3	1	0	3	-	25	-	25	50	-
4.	NTN-604	Physics of Nanomaterials	PEC	4	3	1	0	3	-	25	-	25	50	-
5.	NTN-605	Electronic Properties and Measurement Techniques of Nanomaterials	PEC	4	3	1	0	3	-	25	-	25	50	-
6.	NTN-606	Environmental Nanotechnology	PEC	4	3	1	0	3	-	25	-	25	50	-
7.	NTN-607	Transport Phenomenon in Nanomaterials	PEC	4	3	1	0	3	-	25	-	25	50	-
8.	NTN-608	Surface Engineering of Nanomaterials	PEC	4	3	1	0	3	-	25	-	25	50	-
9.	NTN-609	Nanobiotechnology	PEC	4	3	1	0	3	-	25	-	25	50	-
10.	BTN-644	Research Methods in Bionanotechnology	PEC	3	3	0	0	3	-	25	-	25	50	-
11.	CYN-611	Molecular Spectroscopy	PEC	3	3	1	0	3	-	25	-	25	50	-
12.	PHN-702	Nanomaterials and Technology	PEC	3	3	0	0	3	-	25	-	25	50	-
13.	PHN-706	Functional Materials and Devices	PEC	3	3	0	0	3	-	25	-	25	50	-
14.	ECN-632	RF and Microwave MEMS	PEC	3	3	0	0	3	-	25	-	25	50	-
15.	ECN-642	Nanoscale Devices and Circuit Design	PEC	3	3	0	0	3	-	25	-	25	50	-
16.	MTN-530	Nanomaterials and Applications	PEC	4	3	1	0	3	-	25	-	25	50	-
17.	ECN-596	MEMS and NEMS	PEC	4	3	1	0	3	0	25	-	25	50	-
18.	ECN-587	Nano Scale Devices	PEC	4	3	1	0	3	0	25	-	25	50	-
19.	MTN-530	Nanomaterials and Applications	PEC	4	3	1	0	3	0	25	-	25	50	-