

SPECIAL CENTRE FOR NANOSCIENCE

Jawaharlal Nehru University

New Delhi-110067

List of courses being offered in Winter Semester 2021

Programme: **M.Tech. (NS) Programme 2nd Semester**

Course Code	Name of the course	Credits	Course Coordinator/In-charge
NS 659	Nano Biosensors and Microfluidics	3	Dr. Partima Solanki
NS 660	Nano Biotechnology and Nanomedicine	3	Dr. Tulika Prasad
NS 661	Nanoscale Characterization	3	Dr. Balaji Birajdar / Dr. Satyendra Singh
NS 663	Design & Synthesis of Nanostructures	3	Dr. Satyendra Singh / Dr. Pankaj Thakur / Dr. Pratima Solanki / Dr. Tulika Prasad
NS 664	Chemical Engineering of Nanostructures	3	Dr. Pankaj Thakur / Dr. Vinod Kumar
NS 673	Renewable Energy Technology	3	Dr. Chandrani / Dr. Saatviki
NS 671	Lab 2	3	Dr. Satyendra Singh / Dr. Pankaj Thakur / Dr. Pratima Solanki / Dr. Balaji Birajdar / Dr. Tulika Prasad / Dr. Vinod Kumar

(Select any 5 theory courses and Lab 2 is compulsory)

Programme: **M.Tech. (NE) Programme 2nd Semester**

Course Code	Name of the course	Credits	Course Coordinator/In-charge
NS 658	Advance Semiconductor Devices	3	Dr. Vinod Kumar/ Dr. Chandrani / Dr. Saatviki
NS 680	RFIC /MMIC Design	3	Prof. Bijoy Kumar Kuanr
NE 670	VLSI Technology	3	Dr. Poonam Agarwal
NE 676	MEMS/NEMS	3	Prof. Bijoy Kumar Kuanr / Dr. Pratima Solanki / Guest Faculty
NE 662	Nanolithography & Nano Scale Devices	3	Dr. Pankaj Thakur / Dr. Vinod Kumar / Guest Faculty
NS-672	Lab 2	3	Prof. Bijoy Kumar Kuanr / Dr. Chandrani / Dr. Saatviki

Programme: **M.Tech. 4th Semester**

Course Code	Name of the course	Credits
NS 682	Major Project Dissertation: & Presentation	10

Programme: **Ph.D. course work**

Course Code	Name of the course	Credits	Course Coordinator
NS 618	Research Methodology-I (Nanoelectronics and Microwave Nano Devices)	3	Prof. Bijoy K. Kuanr
NS 620	Research Methodology-II (Ferroelectric and multiferroic Nanomaterials)	3	Dr. Satyendra Singh
NS 622	Research Methodology-III (Applications of nanomaterials in Biology)	3	Dr. Partima Solanki
NS 624	Research Methodology-IV (Microscopy Techniques)	3	Dr. Balaji Birajdar
NS 626	Research Methodology-V (Research Methodology and Research methods for study of Nano-bio Interactions)	3	Dr. Tulika Prasad

(Select one course from Ph.D. Programme courses and one course from M.Tech. NS or NE courses)