

**DEPARTMENT OF PHYSICS::TEZPUR UNIVERSITY**

Programme: **M.Sc. in Physics**

List of Courses offered by the Department for Autumn Semester, 2021 for

**THIRD SEMESTER**

<b>Code</b>	<b>Course Name</b>	<b>L-T-P</b>	<b>Credit</b>	<b>Core/Elective/CBCT</b>
??	Open Elective:	2-1-0	3	CBCT
??	Elective I	2-1-0	3	Elective
??	Elective II	2-1-0	3	Elective
PH-553	Atomic and Molecular Spectroscopy	2-1-0	3	Core
PH-415	Nuclear and Particle Physics	2-1-0	3	Core
PH-500	Project-I	0-0-6	6	Core

**Elective Courses:**

<b>Combination</b>	<b>Papers in M.Sc. Sem III</b>
1. (CMP+Nanoscience)	PH-539: Advanced Condensed Matter Physics and Materials Science PH-562: Quantum Effects in low dimensional systems
2. (CMP+Photonics)	PH-539: Advanced Condensed Matter Physics and Materials Science PH-557: Photonics
3. (HEP+Astrophysics)	PH-519: Quantum Field Theory PH-564: Introductory Astrophysics
4. (Astrophysics +Plasma Physics)	PH-564: Introductory Astrophysics PH-545: Fundamental of Plasma Physics
5. (Plasma Physics +HEP)	PH-545: Fundamental of Plasma Physics PH-519: Quantum Field Theory
6. (Electronics+ Communication)	PH-524: Digital Signal Processing PH-523: Microwave Systems and Antenna Propagation
7. (Electronics + Photonics)	PH-524: Digital Signal Processing PH-557: Photonics

Head,  
Department of Physics