**RECORDINGS LINKS FOR SPT-141: Quantum and Semiconductor Physics**

Recording Document to be kept in the course with the link to the recording:

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| Sr. No. | Subject Code | Topic Name | One-Drive Link |
| 1. 1. | SPT-141 | SPT\_141\_Derivation of Interplanar distance | <https://cumailin-my.sharepoint.com/:v:/g/personal/bb_physics34_cuchd_in/EVkufcmjpKFEjMM9cGRO3jwBCN1T8HEMT2OfgjRDm_lciQ?e=IpBrLb> |
| 1. 2. | SPT-141 | SPT\_141\_Miller Indices | <https://cumailin-my.sharepoint.com/:v:/g/personal/bb_physics34_cuchd_in/Ee1gA9wziPBOlZrvu6-YEKgBvX2ISyYgnbLlNLZfkjN-nQ?e=Yxa4Ti> |
| 1. 3. | SPT-141 | SPT\_141\_Introduction of lattice-crystal systems | <https://cumailin-my.sharepoint.com/:v:/g/personal/bb_physics34_cuchd_in/EQlB3N6a0hZEqrSw_H-ZYR0BF5kmH4YkyfKmDdjt64sSnw?e=iZPE00> |
| 1. 4. | SPT-141 | SPT\_141\_ Packing fraction of crystal systems | <https://cumailin-my.sharepoint.com/:v:/g/personal/bb_physics34_cuchd_in/ESI2PG8ekXlLtQW5s9Yf8zMBLd43DjZD-dfRsesveKBAmg?e=A4FG15> |
| 1. 5. | SPT-141 | SPT\_141\_Classical theory and derivation of drift velocity | <https://cumailin-my.sharepoint.com/:v:/g/personal/bb_physics34_cuchd_in/EXd6kPWqgHVLt8uxP5CbI0cBJV0DGaE1L4jxmMAly7ZLPw?e=we3fSh> |
| 1. 6. | SPT-141 | SPT\_141\_Formation of bands-Fermi Dirac Statistics | <https://cumailin-my.sharepoint.com/:v:/g/personal/bb_physics34_cuchd_in/EQSlLcvtgxpLoc8qKhLO8b0Bkt3pJnjdVICnlal0igB7xA?e=LnSWvo> |
|  | SPT-141 | SPT\_141\_n and p type semiconductors and position of Fermi levels | <https://cumailin-my.sharepoint.com/:v:/g/personal/bb_physics34_cuchd_in/EbmM54wdtc1IgQtzZ9go4wsBa_Li1poILane3XIT6PG2ig?e=JIK5oa> |
|  | SPT-141 | SPT\_141\_Mobility-Conductivity-Current density | <https://cumailin-my.sharepoint.com/:v:/g/personal/bb_physics34_cuchd_in/EWHxzrMsJ9VCu7q-YwXgfc0Bb20SNXtJxV3pi8z2hwBpzA?e=3YzLu3> |
|  | SPT-141 | SPT\_141\_Hall effect derivation and Generation and recombination in semiconductors | <https://cumailin-my.sharepoint.com/:v:/g/personal/bb_physics34_cuchd_in/EYSJXEREvQ9DiZ_Y-dBN32EB7tdRSFDnN5R9lMB-ovN2oA?e=BgDY6y> |
|  | SPT-141 | SPT\_141\_Type of Biasing | <https://cumailin-my.sharepoint.com/:v:/g/personal/bb_physics34_cuchd_in/EXkaPFxxZptBoepHIWxLWvUBnsFadNH9cDLCl9BAEJ-VEg?e=bHGOY3> |
|  | SPT-141 | SPT\_141\_Working of Zener diode and LED | <https://cumailin-my.sharepoint.com/:v:/g/personal/bb_physics34_cuchd_in/EXLflnB4o_9NjoEg2vtk1rwB9BOAQoFUB2e5w9FDPkdzhA?e=N75e15> |
| 1. 1. | SPT-141 | SPT-141Introduction of LASER and coherence | <https://cumailin-my.sharepoint.com/:v:/g/personal/bb_physics34_cuchd_in/ERFsY7q2GppOvkorXh7NEfYBReIUzWm9HGgm74RwLp3hRg?e=dZfa1C> |
| 1. 2. | SPT-141 | SPT-141\_Einstein coefficient derivation | <https://cumailin-my.sharepoint.com/:v:/g/personal/bb_physics34_cuchd_in/EfnAwu2qdS9BoFQFrq3Zk4cBKKukI5exoOajyXj3NSbxTg?e=70Q661> |
| 1. 3. | SPT-141 | SPT-141\_Condition of Amplification and Population inversion and type of energy levels | <https://cumailin-my.sharepoint.com/:v:/g/personal/bb_physics34_cuchd_in/EcDP_-rZqyZKl1Tm71x6k8UBBtN0QzK0zUep-wow01llmQ?e=yrGFBU> |
| 1. 4. | SPT-141 | SPT-141\_YAG and Diode laser | <https://cumailin-my.sharepoint.com/:v:/g/personal/bb_physics34_cuchd_in/EfO3JwyvhTVFuuTlGVjTNJwBvRJGd8v82Hx3r2U5D_YUlw?e=flkjPk> |
| 1. 5. | SPT-141 | SPT-141\_Holography | <https://cumailin-my.sharepoint.com/:v:/g/personal/bb_physics34_cuchd_in/Ec9M5FIg9jROiRHlK3EJz2kBL8vUjTPbIq-HmbtrWi6Gyw?e=uIIxsT> |
| 1. 6. | SPT-141 | SPT-141\_He-Ne Laser | <https://cumailin-my.sharepoint.com/:v:/g/personal/bb_physics34_cuchd_in/ERpj_2du9QJMsz2cN-tpFNUBH7bKlpU-ihtZW7annG7zHQ?e=JMe22m> |
|  | SPT-141 | SPT-141\_Losses in Optical fibres Attenuation and dispersion | <https://cumailin-my.sharepoint.com/:v:/g/personal/bb_physics34_cuchd_in/EeGG0441wpxItvThnvqzy_QBo2LHLDByfWRWFHvYOYK0JQ?e=ARp5C6> |
|  | SPT-141 | SPT-141\_Type of Optical fibres | <https://cumailin-my.sharepoint.com/:v:/g/personal/bb_physics34_cuchd_in/EexRWzctfdZDqejlMsbdNbUBFrWay-QLqpv0zBHYlG1zKQ?e=JDkFaf> |
|  | SPT-141 | SPT-141\_Numeric Aperture and V-number | <https://cumailin-my.sharepoint.com/:v:/g/personal/bb_physics34_cuchd_in/ETc4w51ty69Hmp0KfTPwZ8wByb2jVjjJtkLcpw0ske955Q?e=eAaivp> |
|  | SPT-141 | SPT-141\_Introduction of Optical Fibre and TIR | <https://cumailin-my.sharepoint.com/:v:/g/personal/bb_physics34_cuchd_in/EdhR7CgWOBdLk-dM56t3sNIB4OmgRMeBIZ_L4QzyvFBRpA?e=tifQbZ> |
| 1. 1. | SPT-141 | SPT-141\_ Numerical\_Laser and Optical Fibre | <https://cumailin-my.sharepoint.com/:v:/g/personal/bb_physics34_cuchd_in/ERBrwKSk6s1PgUlZHLjG9RMBK3YqrnGUJURps0M9Z-pxMg?e=udou6J> |
|  | SPT-141 | SPT-141\_Numerical\_Laser and Optical Fibre | <https://cumailin-my.sharepoint.com/:v:/g/personal/bb_physics34_cuchd_in/EVRW72L8_1ZAmZ5_pBP5gy0BWSS5PjFN2LahdwcbOVTKjg?e=wiMXg6> |
|  | SPT-141 | SPT-141\_Numerical\_Laser and Optical Fibre | <https://cumailin-my.sharepoint.com/:v:/g/personal/bb_physics34_cuchd_in/EQpcCixSGstAiJq0YetdAvEBpJ63NKpwbU18R70i7ChaPg?e=GuQYVI> |
|  | SPT-141 | SPT-141\_Numerical\_Laser and Optical Fibre | <https://cumailin-my.sharepoint.com/:v:/g/personal/bb_physics34_cuchd_in/EQO0VLqX3Q1AoVf2Bxcz3RYBoYXAQXtM64BL8jrqcWmqEg?e=wKMjLG> |

This document provides the easy access to the students for recordings of the course content.

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