

Material Science and Nanotechnology

course	SSD	Type of activity	language	hrs	credits	year of attendance	final test	optional/mandatory
THEORY AND MODELING OF EPITAXY	FIS03	lesson	English	16	2	1 st	yes	optional
THEORY AND MODELING OF EPITAXY	FIS03	lesson	English	16	2	2 nd	yes	optional
THERMAL TRANSPORT DOWN TO THE NANOSCALE	CHIM02	lesson	English	16	2	1 st	yes	optional
THERMAL TRANSPORT DOWN TO THE NANOSCALE	CHIM02	lesson	English	16	2	2 nd	yes	optional
SCIENTIFIC ENTREPRENEURSHIP IN MATERIALS SCIENCE AND NANOTECHNOLOGY	ING/IND22	lesson	English	8	1	1 st	yes	optional
SCIENTIFIC ENTREPRENEURSHIP IN MATERIALS SCIENCE AND NANOTECHNOLOGY	ING/IND22	lesson	English	8	1	2 nd	yes	optional
NEUROMORPHIC COMPUTING: MATERIALS AND DEVICES	FIS03	lesson	English	8	1	1 st	yes	optional
SMART MATERIALS, FROM MOLECULAR SWITCHES TO MOTORS	CHIM04	lesson	English	8	1	1 st	yes	optional
PRINCIPLES OF ELECTRON MICROSCOPY AND APPLICATIONS TO NANOMATERIALS RESEARCH	FIS03	lesson	English	8	1	1 st	yes	optional
TECHNOLOGIES FOR PRODUCTION AND CONVERSION OF GREEN HYDROGEN	CHIM02	lesson	English	8	1	1 st	yes	optional
LIGHT-TO-ELECTRICITY DEVICES, FROM SILICON INTEGRATION TO BIOLOGICAL FRONTIERS.	CHIM06	lesson	English	8	1	1 st	yes	optional
THE ROLE OF INORGANIC SYSTEMS IN FORMULATIONS: CHEMISTRY INSIGHTS AND APPLICATIONS	CHIM03	lesson	English	8	1	1 st	yes	optional
THE ROLE OF INORGANIC SYSTEMS IN FORMULATIONS: CHEMISTRY INSIGHTS AND APPLICATIONS	CHIM03	lesson	English	8	1	2 nd	yes	optional
FROM POLYMERIC MATERIALS TO AUGMENTED REALITY AND HEALTH MONITORING: THE FUTURE OF CONTACT LENS MATERIALS	CHIM04	lesson	English	8	1	1 st	yes	optional
INTRODUCTION TO GAS SORPTION AND DIFFUSION IN POROUS MATERIAL	CHIM04	lesson	English	8	1	1 st	yes	optional
NANOMATERIALS FOR BIOMEDICAL APPLICATIONS	CHIM03	lesson	English	8	1	1 st	yes	optional
SELF ASSEMBLED EPITAXIAL QUANTUM DOTS	FIS03	lesson	English	8	1	1 st	yes	optional
ADVANCED LIGHT-ABSORBING MATERIALS AND THEIR APPLICATIONS	CHIM02	lesson	English	8	1	1 st	yes	optional
MATERIALS SCIENCE FOR ENERGY CONVERSION AND STORAGE	CHIM03	lesson	English	8	1	1 st	yes	optional
SCINTILLATING MATERIALS AND THEIR APPLICATIONS	FIS01	lesson	English	8	1	1 st	yes	optional
Total hrs/credits				192	24			