

## Sample of Past Module Mappings for Exchange Programme

*This table is for reference only. All mappings are subjected to approval*

Partner University	PU Module Subject	PU Module Course Nbr	PU Module Title	PU Module Units	NUS Subject Area	NUS Catalog Nbr	NUS Module MC
Arizona State University	BME	111	Engineering Perspective of Biological System	3.00	BN	4109	4.000
Arizona State University	BME	318	Biomaterials	3.00	ME	4253	4.000
Arizona State University	MAE	400	Engineering Profession	3.00	EG	2401	3.000
Arizona State University	MSE	450	Materials Characterization	3.00	MLE	4201	4.000
Arizona State University	MSE	470	Polymers and Composites	3.00	MLE	3104	4.000
Arizona State University	MSE	471	Introduction to Ceramics	3.00	MLE	2107	4.000
Arizona State University	MSE	482	Materials Engineering Design	3.00	MLE	3103	4.000
Arizona State University	MSE	550	Advanced Materials Characterisation	3.00	MLE	4201	4.000
Beihang University	B2G	040221	Analytical and Characterization Techniques for Materials	2.00	MLE	4201	4.000
Beihang University	B2G	120151	Chinese Visual Rhetoric	1.00	CL	3201	4.000
Beihang University	B2G	180151	A Survey of Chinese Culture	2.00	CH	3243	4.000
Boston University	CAS MA	226	Differential Equations	4.00	MA	1512	2.000
Boston University	CAS SO	100	Principles of Sociology	4.00	SC	1101E	4.000
Boston University	CAS SO	205	American Families	4.00	SC	2205	4.000
Boston University	CAS SO	207	Sociology of Race and Ethnicity	4.00	SC	3203	4.000
City University of Hong Kong	AP	3113	Polymer Engineering	3.00	CN	4203R	4.000
City University of Hong Kong	AP	3171	Materials Characterization Techniques	3.00	MLE	4201	4.000
City University of Hong Kong	AP	3244	Design Laboratory	3.00	MLE	4102	4.000
City University of Hong Kong	AP	4114	Stress Analysis	3.00	MLE	3103	4.000
City University of Hong Kong	AP	4170	Environmental Degradation	3.00	MLE	3102	4.000
City University of Hong Kong	AP	4172	Simulation and Modelling in Multidisciplinary Sciences	3.00	MLE	4205	4.000
City University of Hong Kong	AP	4178	Nanostructures and Nanotechnology	3.00	MLE	4206	4.000
Delft University of Technology	AE	4ASM515	Materials Characterization	3.00	MLE	4201	4.000
Delft University of Technology	CH	3531	Functional Ceramics	3.00	MLE	2107	4.000
Delft University of Technology	ME	46065	Thin Film Materials	3.00	CN	4223R	4.000
Delft University of Technology	MS	43115	Materials Selection for Engineering Applications	3.00	MLE	3103	4.000
Delft University of Technology	MS	43120	Corrosion and Protection against Corrosion	3.00	MLE	3102	4.000
Delft University of Technology	MS	43210	Advanced Characterisation	4.00	MLE	4201	4.000
Delft University of Technology	SET	3031	Sustainable Hydrogen and Electrical Energy Storage	4.00	MLE	4210	4.000
Delft University of Technology	WM	0329TU	Ethics and Engineering	6.00	EG	2401	3.000
Ecole Polytechnique Federale de Lausanne	BIOENG	404	Analysis and Modelling of locomotion	4.00	BN	4109	4.000
Ecole Polytechnique Federale de Lausanne	BIOENG	442	Biomaterials	4.00	BN	3301	4.000
Ecole Polytechnique Federale de Lausanne	BIOENG	442	Biomaterials	4.00	MLE	3202	4.000
Ecole Polytechnique Federale de Lausanne	BIOENG	444	Advanced bioengineering methods laboratory	4.00	BN	3402	4.000
Ecole Polytechnique Federale de Lausanne	BIOENG	448	Fundamentals of neuroengineering	4.00	BN	4109	4.000
Ecole Polytechnique Federale de Lausanne	BIOENG	449	Tissue engineering	4.00	BN	4301	4.000
Ecole Polytechnique Federale de Lausanne	BIOENG	486	Organic electronic materials - synthesis, applications, properties	3.00	CN	4203R	4.000
Ecole Polytechnique Federale de Lausanne	CHE	430	Nanomaterials for chemical engineering application	3.00	CM	4253	4.000
Ecole Polytechnique Federale de Lausanne	EE	511	Sensors in medical instrumentation	3.00	BN	4109	4.000
Ecole Polytechnique Federale de Lausanne	HUM	271	Social and political ethics B	2.00	EG	2401	3.000
Ecole Polytechnique Federale de Lausanne	MSE	431	Physical chemistry of polymeric materials	3.00	MLE	3104	4.000
Ecole Polytechnique Federale de Lausanne	MSE	432	Introduction to magnetic materials in modern technologies	4.00	MLE	3105	4.000
Ecole Polytechnique Federale de Lausanne	MSE	437	Polymer chemistry and macromolecular engineering	3.00	CN	4203R	4.000
Ecole Polytechnique Federale de Lausanne	MSE	468	Atomistic and quantum simulations of materials	4.00	MLE	4205	4.000

Ecole Polytechnique Federale de Lausanne	MSE	474	Materials selection	2.00	MLE	3103	4.000
Ecole Polytechnique Federale de Lausanne	MSE	478	Organic semiconductors	3.00	MLE	4202	4.000
Ecole Polytechnique Federale de Lausanne	MSE	486	Organic electronic materials - synthesis, applications, properties	3.00	MLE	4202	4.000
Ecole Polytechnique Federale de Lausanne	PHYS	438	Fundamentals of biomedical imaging	4.00	PC	4268	4.000
ETH Zurich	151	0622-00L	Measuring on the Nanometer Scale	2.00	MLE	4201	4.000
ETH Zurich	327	0506-00L	Materials Physics	2.00	MLE	3105	4.000
ETH Zurich	327	0506-01L	Materials Physics II	3.00	MLE	3105	4.000
ETH Zurich	327	0603-00L	Ceramics II	3.00	MLE	2107	4.000
ETH Zurich	327	2104-00L	Inorganic Thin Films: Processing, Properties and Applications	2.00	CN	4223R	4.000
ETH Zurich	327	2104-00L	Inorganic Thin Films: Processing, Properties and Applications	2.00	PC	4253	4.000
ETH Zurich	327	2202-00L	Size Effects in Materials	4.00	MLE	4206	4.000
ETH Zurich	327	2204-00L	Materials at Work II	4.00	MLE	3103	4.000
ETH Zurich	327	2221-00L	Advanced Surface Characterisation Techniques	4.00	MLE	4201	4.000
ETH Zurich	327	4105-00L	Integrity of Materials and Structures	4.00	MLE	3102	4.000
ETH Zurich	327	5102-00L	Molecular and Materials Modelling	4.00	MLE	4205	4.000
ETH Zurich	363	1077-00L	Entrepreneurship	3.00	TR	3002	4.000
ETH Zurich	363	1077-00L	Entrepreneurship	3.00	TR	3008	4.000
ETH Zurich	402	0206-00L	Quantum Mechanics II	10.00	PC	3130	4.000
Georgia Inst of Technology	MSE	3015	Electronic, Optical and Magnetic Properties of Materials	3.00	MLE	3105	4.000
Georgia Inst of Technology	MSE	4751	Intro to Biomaterials	3.00	BN	3301	4.000
Georgia Inst of Technology	MSE	4751	Intro to Biomaterials	3.00	MLE	3202	4.000
Georgia Inst of Technology	MSE	4140	Polymer Physics	3.00	MLE	3104	4.000
Georgia Inst of Technology	MSE	4330	Fundamentals of Nanomaterials and Nanostructures	3.00	MLE	4204	4.000
Georgia Inst of Technology	MSE	4775	Polymer Science and Engineering I	3.00	CN	4203R	4.000
Georgia Inst of Technology	MSE	4775	Polymer Science and Engineering I	3.00	MLE	4202	4.000
Georgia Inst of Technology	MSE	3015	Electronic, Optical and Magnetic Properties of Materials	3.00	MLE	3105	4.000
Grenoble Institute of Technology (Grenoble INP)	NANOTECH	4PMTGPR2	Project	3.00	MLE	3103	4.000
Grenoble Institute of Technology (Grenoble INP)	SEM	4EUS4PSJ	Generation and Storage	5.00	MLE	4210	4.000
Grenoble Institute of Technology (Grenoble INP)	SIM	4PMFMM5	Modelling Multi Scale	2.00	MLE	4205	4.000
Grenoble Institute of Technology (Grenoble INP)	SIM	4PMMCAR9	Materials Characterisation	4.00	MLE	4201	4.000
Grenoble Institute of Technology (Grenoble INP)	SIM	4PMMEL44	Elaboration part 2	3.00	PC	4253	4.000
Grenoble Institute of Technology (Grenoble INP)	SIM	4PMMPMC4	Physics and Mechanics of Materials Behaviour	5.00	MLE	3203	4.000
Grenoble Institute of Technology (Grenoble INP)	SIM	4PMMPOL4	Polymers	3.00	MLE	3104	4.000
Grenoble Institute of Technology (Grenoble INP)	SIM	5PMMFOR0	Mise en forme et assemblage	6.00	CN	4203R	4.000
Grenoble Institute of Technology (Grenoble INP)	SIM	5PMMM0D0	Modelling Multi Scale	6.00	MLE	4205	4.000
Hanyang University	APS	2009	Introduction to Marketing	3.00	MKT	1003	4.000
Hanyang University	APS	2009	Introduction to Marketing	3.00	MKT	1705	4.000
Hanyang University	BUS	2065	Basic Business Statistics	3.00	ST	2334	4.000
Hanyang University	BUS	3002	Financial management	3.00	FIN	2004X	4.000
Hanyang University	BUS	3003	Organizational Behavior	3.00	MNO	1706	4.000
Hanyang University	BUS	4019	Strategic Management	3.00	BSP	3701	4.000
Hanyang University	CUL	6034	Techno English Presentation Skills	3.00	ES	2331	4.000
Hanyang University	DIS	2005	International Relations	3.00	PS	2237	4.000
Hanyang University	DIS	2052	Fundamentals of Accounting	1.00	ACC	1002	4.000
Hanyang University	DIS	2052	Fundamentals of Accounting	3.00	ACC	1002X	4.000
Hanyang University	GEN	0064	General Physics 2	3.00	PC	2232	4.000
Hanyang University	GEN	6060	Principles of Management	3.00	HR	2002	3.000
Hanyang University	GEN	6060	Human Capital in Organisations	3.00	HR	2002	3.000
Hanyang University	GEN	6060	Principles of Management	3.00	MNO	1001	4.000
Hanyang University	HUMANS	TOU3040	psychology of leisure and tourism	3.00	GE	2218	4.000

Hanyang University	ISS	1013	Project Management	3.00	ME	4103	4.000
Hanyang University	ISS	1034	Tourism and Recreation	3.00	GE	2218	4.000
Hanyang University	ISS	1041	Engineer and Society	3.00	EG	2401	3.000
Hanyang University	ISS	1041	Engineer and Society	3.00	EG	2401A	2.000
Hanyang University	ISS	1044	Impact of Electromagnetic	3.00	PC	2131	4.000
Hanyang University	ISS	1044	Impact of Electromagnetic radiation	3.00	ME	3661	4.000
Hanyang University	ISS	1044	Impact of Electromagnetic radiation	3.00	PC	2131	4.000
Hanyang University	ISS	1081	Korean Language 1 (Beginning)	3.00	LAK	1201	4.000
Hanyang University	ISS	1082	Korean Language 2 (Beginning)	3.00	LAK	2201	4.000
Hanyang University	ISS	1091	Investment	3.00	FIN	3102	4.000
Hanyang University	ISS	1095	Human Anatomy	3.00	LSM	2212	4.000
Hanyang University	ISS	1096	Principles of Nutrition	3.00	GEK	1529	4.000
Hanyang University	ITE	1010	C++ Programming	4.00	CS	1010E	4.000
Hanyang University	ITE1010	18143	C++ Programming	3.00	CS	1010E	4.000
Hanyang University	MEE	4001	Heat Transfer	3.00	ME	3122	4.000
Hanyang University	PAD	1055	Introducing Psychology	3.00	PL	1101E	4.000
Hanyang University	PPL	3012	Macroeconomics	3.00	BSP	2001	4.000
Hanyang University	TOU	3040	Psychology of Leisure and Tourism	3.00	GE	2218	4.000
Hanyang University	TOU	3040	Psychology of Leisure and Tourism	4.00	GE	2218	4.000
Hong Kong University of Science & Technology	ISOM	1380	Technology and Innovation: Social and Business Perspectives	3.00	TR	2202	4.000
Hong Kong University of Science & Technology	PHYS	1006	ASTRONOMY FOR BEGINNERS	3.00	PC	1322	4.000
Institut National des Sciences Appliquees de Lyon	GM	3-RMP-S2	Rheology of polymer materials	2.00	MLE	4202	4.000
Institut National des Sciences Appliquees de Lyon	GMD	5-BIOENG	BIO-ENGINEERING	3.00	BN	4109	4.000
Institut National des Sciences Appliquees de Lyon	SGM	3-PCOMIM	Project : Materials engineers profession	2.00	MLE	3103	4.000
Institut National des Sciences Appliquees de Lyon	SGM	4-PCOM	Collective project on materials - Management Support project teams	3.00	MLE	4102	4.000
Iowa State University	MAT E	322	Introduction to Ceramic Processing	3.00	MLE	2107	4.000
Iowa State University	MAT E	343	Physical Metallurgy of Ferrous Alloys	3.00	MLE	2106	4.000
Iowa State University	MAT E	351	Introduction To Polymeric Materials	3.00	MLE	3104	4.000
Iowa State University	MAT E	362	Principles of nondestructive testing	3.00	MLE	4201	4.000
Iowa State University	MAT E	413	Materials Design and Professional Practice I	3.00	MLE	3103	4.000
Iowa State University	MAT E	432	Microelectronics Fabrication Techniques	4.00	MLE	4207	4.000
Iowa State University	MAT E	444	Corrosion and Failure Analysis	3.00	MLE	3102	4.000
Iowa State University	MAT E	454	Polymer Composites and Processing	3.00	CN	4203R	4.000
Iowa State University	MAT E	437X	Electronic Properties of Materials	3.00	MLE	3105	4.000
Korea Advanced Inst of Sci & Tech	MS	591	Emerging Nanofabrication Technology	3.00	MLE	4204	4.000
Korea University	ISC	392	Sustainability strategies	3.00	GEH	1003	4.000
Korea University	ISC	300A	Business Communication	3.00	ES	2331	4.000
Korea University	IWC	129B	Strategic Management	3.00	BSP	3001	4.000
Korea University	IWC	21100	Managerial Accounting	3.00	ACC	2002	4.000
Korea University	IWC	218	Introduction to Brain Science	3.00	PL	3232	4.000
KTH Royal Institute of Technology	BB	2400	Bionanotechnology	7.50	BN	4109	4.000
KTH Royal Institute of Technology	KD	2380	Corrosion and Surface Protection	7.50	MLE	3102	4.000
KTH Royal Institute of Technology	KF	2180	Biopolymers	7.50	BN	4109	4.000
KTH Royal Institute of Technology	KF	2180	Biopolymers	7.50	MLE	4203	4.000
KTH Royal Institute of Technology	KF	2190	Polymeric Materials: Structure and Properties	7.50	CN	4203R	4.000
KTH Royal Institute of Technology	KF	2495	Polymer Composites - Micro and Nanoscale	7.50	MLE	3104	4.000
KTH Royal Institute of Technology	MH	2046	Quantum Metallurgy	6.00	MLE	4205	4.000
KTH Royal Institute of Technology	MH	2048	Advanced Course in Materials Design	9.00	MLE	4102	4.000
KTH Royal Institute of Technology	MH	2300	Functional Materials	6.00	MLE	3203	4.000
KTH Royal Institute of Technology	MJ	2417	New Perspectives on Material Science and Technology	4.00	MLE	3103	4.000

KTH Royal Institute of Technology	SD	2414	Fibre Composites - Materials and Manufacturing	6.00	MLE	3104	4.000
Linköping University	ETE	S03	Nanotechnology – Sustainability Challenges and Social Impact	7.50	GEM	1537	4.000
Nanyang Technological University	CM	2011	Analytical Chemistry	3.00	CM	2142	4.000
Nanyang Technological University	MS	2013	Polymers and Composites	3.00	MLE	3104	4.000
Nanyang Technological University	MS	2015	Mechanical Behaviour of Materials	3.00	MLE	2104	4.000
Nanyang Technological University	MS	2016	Phase Transformation and Kinetics	3.00	MLE	2103	3.000
Nanyang Technological University	MS	2018	Electronic and Magnetic Properties of Materials	3.00	MLE	3105	4.000
Nanyang Technological University	MS	3011	Metallic & Ceramic Materials	3.00	MLE	3203	4.000
Nanyang Technological University	MS	3012	Micro/Nanoelectronic Materials Processing	3.00	MLE	4207	4.000
Nanyang Technological University	MS	3013	Environmental Effects on Materials	3.00	MLE	3102	4.000
Nanyang Technological University	MS	3015	Materials Aspects in Design	3.00	MLE	3103	4.000
Nanyang Technological University	MS	3015	Materials Aspects in Design	3.00	MLE	4102	4.000
Nanyang Technological University	MS	4014	Nanomaterials: Fundamentals and Applications	3.00	MLE	4206	4.000
Nanyang Technological University	MS	4610	Advanced Biomaterials	3.00	MLE	4203	4.000
Nanyang Technological University	MS	4631	Corrosion Engineering	3.00	MLE	3102	4.000
Nanyang Technological University	MS	4640	Advanced Analysis of Materials	3.00	MLE	4201	4.000
Nanyang Technological University	MS	4641	Introduction to Materials Simulation	3.00	MLE	4205	4.000
Nanyang Technological University	MS	4650	Functional Nanostructured Materials	3.00	MLE	4204	4.000
Nanyang Technological University	MS	4651	Thin Film Technology	3.00	PC	4253	4.000
National Cheng Kung University	BME	7200	BIOMATERIALS	3.00	ME	4253	4.000
National Cheng Kung University	CHE	7008E	PHYSICAL & MECHANICAL PROPERTIES OF POLYMERS	3.00	MLE	3104	4.000
National Cheng Kung University	CHE 7054	N380500	NANOMATERIAL AND SYNTHESIS	3.00	MLE	4204	4.000
National Cheng Kung University	CHE7086	N382500	MATERIALS AND DEVICES FOR SUSTAINABLE ENERGY	3.00	MLE	4210	4.000
National Cheng Kung University	EV 7004	P556800	GREEN ENERGY TECHNOLOGY	3.00	MLE	4210	4.000
National Cheng Kung University	GM 1300	F633400	ENGINEERING ETHICS	2.00	EG	2401	3.000
National Cheng Kung University	IBPE3108	F030900	PHOTOVOLTAICS	3.00	MLE	4208	4.000
National Cheng Kung University	ICAM7003	NB80100	PHOTOVOLTAIC AND PHOTOELECTROCHEMISTRY	3.00	MLE	4208	4.000
National Cheng Kung University	IMBA	6101E	ORGANIZATIONAL BEHAVIOR	3.00	MNO	1706	4.000
National Cheng Kung University	MSE	5045	CORROSION RESISTANT MATERIALS	3.00	MLE	3102	4.000
National Cheng Kung University	MSE 5045	N571800	CORROSION RESISTANT MATERIALS	3.00	MLE	3102	4.000
National Cheng Kung University	MSE 7038	N572400	SPECIAL TOPIC ON POLYMER CRYSTALLIZATION	3.00	MLE	3104	4.000
National Cheng Kung University	MSE	7021	SOLID STATE IONIC DEVICES	3.00	MLE	2107	4.000
National Cheng Kung University	MSE	7060	ADVANCED CHARACTERIZATION OF MATERIALS	3.00	MLE	4201	4.000
National Cheng Kung University	MSE2014	E531120	FERROUS METALLURGY (2)	3.00	MLE	2106	4.000
National Cheng Kung University	MSE3003	E531000	CERAMIC FABRICATION PROCESSES	3.00	MLE	2107	4.000
National Cheng Kung University	MSE7001E	N511100	MATERIALS SCIENCE OF THIN FILM	3.00	CN	4223R	4.000
National Taiwan University of Science & Technology	BE	5054701	INTRODUCTION TO NANOTECHNOLOGY	3.00	MLE	4206	4.000
National Taiwan University of Science & Technology	CH	4110701	Nanochemistry	3.00	MLE	4204	4.000
National Taiwan University of Science & Technology	DT	5517701	MATERIALS IN DESIGN INNOVATION	3.00	MLE	3103	4.000
National Taiwan University of Science & Technology	ET	5223701	Photonics Engineering	3.00	EE	4437	4.000
National Taiwan University of Science & Technology	MA	5406701	Supply Chain Management	3.00	DSC	3201	4.000
National Taiwan University of Science & Technology	ME	5406701	Composite Materials	3.00	MLE	3104	4.000
National Taiwan University of Science & Technology	ME	5424701	Magnetic Materials (I)	3.00	MLE	3105	4.000
National Taiwan University of Science & Technology	TX	3205301	Polymer Physics	3.00	MLE	3104	4.000
National Taiwan University of Science & Technology	TX	4121701	FUNDAMENTALS OF CERAMICS	3.00	MLE	2107	3.000
National Taiwan University of Science & Technology	TX	4210701	Polymer Processing	3.00	CN	4203R	3.000
National Taiwan University of Science & Technology	TX	5406701	PHYSICAL CHEMISTRY OF POLYMER MATERIALS	3.00	MLE	4202	4.000
National Taiwan University of Science & Technology	TX	5408701	Interface Science of Materials	3.00	MLE	3202	4.000
National Taiwan University of Science & Technology	TX	6102701	Advance Polymer Physics	3.00	MLE	3104	4.000
National Taiwan University of Science & Technology	TX	660370	Vacuum and Thin Film Technology	3.00	PC	4253	4.000

National Taiwan University of Science & Technology	TX	6603701	VACUUM AND THIN FILM TECHNOLOGY	3.00	PC	4253	4.000
National Taiwan University of Science & Technology	TX	6603702	VACUUM AND THIN FILM TECHNOLOGY	3.00	PC	4253	4.000
National Taiwan University of Science & Technology	TX	6619701	THE SURFACE MODIFICATION TECHNOLOGY OF MATERIALS	3.00	MLE	4201	4.000
National Taiwan University of Science & Technology	TX	6711701	Tissue Engineering	3.00	BN	4301	4.000
National Taiwan University of Science & Technology	TX	6721701	Biomaterials	3.00	MLE	3202	4.000
Peking University	3034	0025	Introduction to Chinese Economy	2.00	EC	2374	4.000
Purdue University	CHE	44200	Chemistry And Engineering Of High Polymers	3.00	MLE	3104	4.000
Purdue University	EAPS	10600	Geosciences In The Cinema	3.00	GE	2741	4.000
Purdue University	EAPS	22100	Survey Of Atmospheric Science	3.00	GE	1741	4.000
Purdue University	MSE	510	Microstructural Characterization Techniques	3.00	MLE	4201	4.000
Purdue University	MSE	576	Corrosion	3.00	MLE	3102	4.000
Purdue University	MSE	33000	Processing and Properties of Materials	3.00	MLE	2103	3.000
Purdue University	MSE	36700	Materials Processing Laboratory	3.00	MLE	3111	3.000
Purdue University	MSE	38200	Mechanical Response of Materials	3.00	MLE	2104	4.000
Rice University	CHEM	533	NANOSCIENCE & NANOTECHNOLOGY	3.00	MLE	4204	4.000
Rice University	CHEM 475	24320	PHYSICAL METHODS IN INORGANIC CHEMISTRY	3.00	MLE	4201	4.000
Rice University	MSNE	411	METALLOGRAPHY & PHASE RELATION	3.00	MLE	2106	4.000
Rice University	MSNE	433	COMPUTATIONAL MATERIALS MODELING	3.00	MLE	4205	4.000
Rice University	MSNE	555	MATERIALS IN NATURE AND BIO-MIMETIC STRATEGIES	3.00	MLE	3202	4.000
Rice University	MSNE	569	CORROSION SCIENCE & ENGINEERING	3.00	MLE	3102	4.000
Rice University	MSNE	594	PROPERTIES OF POLYMERS	3.00	CN	4203R	4.000
Rice University	MSNE	650	NANOMATERIALS & NANOMECHANICS	3.00	MLE	4206	4.000
Rice University	MSNE 311	21431	MATERIALS SELECTION	4.00	MLE	3103	4.000
Rice University	MSNE 311	21431	MATERIALS SELECTION AND DESIGN	4.00	MLE	4102	4.000
Rice University	MSNE 505	24039	MICROSTRUCTURE AND NANOSTRUCTURE EVOLUTION	3.00	MLE	4204	4.000
Rice University	MSNE 569	21478	CORROSION SCIENCE & ENGINEERING	3.00	MLE	3102	4.000
Rice University	SOCI 334	25034	Sociology of the Family	3.00	SC	2205	4.000
Seoul National University	ZXX	5	Introduction to Computer Science	3.00	IT	1001	4.000
Seoul National University	ZXX	13	Introduction to Computer Science	3.00	IT	1001	4.000
Swiss Federal Institute of Technology Lausanne	EE	440	Photonic systems and technology	4.00	EE	4437	4.000
Swiss Federal Institute of Technology Lausanne	MSE	231	Ceramics, structures and properties + TP	4.00	MLE	2107	3.000
Swiss Federal Institute of Technology Lausanne	MSE	431	Physical chemistry of polymeric materials	3.00	MLE	3104	4.000
Swiss Federal Institute of Technology Lausanne	MSE	432	Introduction to magnetic materials in modern technologies	3.00	MLE	4209	4.000
Swiss Federal Institute of Technology Lausanne	MSE	437	Polymer chemistry and macromolecular engineering	3.00	CN	4203R	4.000
Swiss Federal Institute of Technology Lausanne	MSE	442	Introduction to crystal growth by epitaxy	2.00	CN	4223R	4.000
Swiss Federal Institute of Technology Lausanne	MSE	442	Introduction to crystal growth by epitaxy	2.00	PC	4253	4.000
Swiss Federal Institute of Technology Lausanne	MSE	461	Micro and nanostructuring of materials	2.00	MLE	4204	4.000
Swiss Federal Institute of Technology Lausanne	MSE	468	Atomistic and quantum simulations of materials	4.00	MLE	4205	4.000
Swiss Federal Institute of Technology Lausanne	MSE	474	Materials Selection	2.00	MLE	3103	4.000
Swiss Federal Institute of Technology Lausanne	MSE	484	Properties of semiconductors and related nanostructures	4.00	MLE	4206	4.000
Tampere University of Technology	ELT	41206	Basic Course on Wireless Communications	5.00	EE	4992	4.000
Tampere University of Technology	ELT	61226	Biomedical Engineering: Biomaterials	3.00	BN	3301	4.000
Tampere University of Technology	ELT	74106	Tissue Engineering	3.00	BN	4301	4.000
Tampere University of Technology	ETL	61226	Biomedical Engineering: Biomaterials	3.00	BN	3301	4.000
Tampere University of Technology	ETL	74106	Tissue Engineering	3.00	BN	4301	4.000
Tampere University of Technology	FYS	2106	Introduction to Surface Science	6.00	MLE	4201	4.000
Tampere University of Technology	FYS	2106	Introduction to Surface Science	6.00	PC	4253	4.000
Tampere University of Technology	MOL	32226	Electron Microscopy	5.00	MLE	4201	4.000
Tampere University of Technology	MOL	32227	Electron Microscopy	6.00	MLE	4201	4.000
Tampere University of Technology	MOL	32306	Materials Performance	6.00	MLE	3102	4.000

Tampere University of Technology	MOL	32306	Materials Performance	6.00	MLE	3102	4.000
Tampere University of Technology	MOL	42106	Polymeric Materials	5.00	CN	4203R	4.000
Tampere University of Technology	MOL	52016	Processing of Ceramics	5.00	MLE	2107	3.000
Tampere University of Technology	MOL	52056	Processing of Advanced Ceramics	5.00	MLE	2107	3.000
Tampere University of Technology	MOL	52056	Processing of Advanced Ceramics	5.00	MLE	2107	4.000
Tampere University of Technology	TLO	25467	Logistics Management and Strategies	3.00	DSC	3222	4.000
Technical University of Darmstadt	GERMAN	41-12-0102	German Intensive Basic Course 1B	6.00	LAG	2201	4.000
Technical University of Darmstadt	MATERIAL	11-01-2002	Spintronics	4.00	MLE	4209	4.000
Technical University of Darmstadt	MATERIAL	11-01-2004	Materials Science of Thin Films	4.00	PC	4253	4.000
Technical University of Darmstadt	MATERIAL	11-01-2008	Graphene and Carbon Nanotubes - from fundamentals to applications	4.00	MLE	4206	4.000
Technical University of Darmstadt	MATERIAL	11-01-3030	Polymer Processing	4.00	MLE	3104	4.000
Technical University of Darmstadt	MATERIAL	11-01-7070	Micromechanics and Nanostructured Materials	4.00	MLE	4204	4.000
Technical University of Darmstadt	MATERIAL	11-01-8191	Ceramic Materials: Syntheses and Properties. Part I	4.00	MLE	2107	4.000
Technical University of Darmstadt	MATERIAL	11-01-8401	Fundamentals and Technology of Solar Cells	6.00	MLE	4208	4.000
Technical University of Darmstadt	MATERIAL	11-01-9313	Advanced Characterization Methods of Materials Science	6.00	MLE	4201	4.000
Technical University of Darmstadt	MATERIAL	11-01-9314	Theoretical Methods in Materials Science	6.00	MLE	4205	4.000
Technical University of Darmstadt	MSE	11-01-8191	Synthesis and Properties of Ceramic Materials	4.00	MLE	2107	4.000
Technical University of Darmstadt	PR	11-01-4012	Research Lab II	4.00	MLE	3101	3.000
Technical University of Darmstadt	PR	11-01-4102	Research Lab II	4.00	MLE	3111	4.000
Technical University of Darmstadt	VL	11-01-2002	Spintronics	3.00	MLE	4209	4.000
Technical University of Darmstadt	VL	11-01-2004	Materials Science of Thin Films	4.00	PC	4253	4.000
Technical University of Darmstadt	VL	11-01-2008	Graphen and Carbon Nanotubes - from fundamentals to applications	4.00	MLE	4206	4.000
Technical University of Darmstadt	VL	11-01-3030	Polymer Processing	4.00	CN	4203R	4.000
Technical University of Darmstadt	VL	11-01-3030	Polymer Processing	4.00	MLE	3104	4.000
Technical University of Darmstadt	VL	11-01-8401	Fundamentals and Technology of Solar Cells	3.00	MLE	4208	4.000
Technical University of Darmstadt	VL	11-01-9313	Advanced Characterization Methods of Materials Science	3.00	MLE	4201	4.000
Technical University of Darmstadt	VL	11-01-9314	Theoretical Methods in Materials Science	3.00	MLE	4205	4.000
Technical University of Munich	EI	7267	Nanotechnology for Energy Systems	5.00	MLE	4210	4.000
Technical University of Munich	MW	0040	Production Engineering	5.00	MLE	3203	4.000
Technical University of Munich	MW	0085	Multidisciplinary Design Optimization	5.00	MLE	3103	4.000
Technical University of Munich	MW	2109	Atomistic Modeling of Materials	5.00	MLE	4205	4.000
Technical University of Munich	PH	2047	Polymer Physics 2	5.00	MLE	3104	4.000
Technical University of Munich	PH	2072	Frontiers of Surface and Nanoscale Science	5.00	MLE	4206	4.000
Technical University of Munich	PH	2134	Advanced Materials Analysis with Synchrotron Radiation: Techniques and Applications Module	5.00	MLE	4201	4.000
Technical University of Munich	PH	2169	Structured photonic nano-materials	5.00	EE	4437	4.000
Technical University of Munich	PH	2223	Vacuum, Surfaces and Thin Films	5.00	CN	4223R	4.000
The University of Hong Kong	ACCT	2105G-I	Introduction to Management Accounting	6.00	ACC	2002	4.000
The University of Hong Kong	BUSI/MKT	0071/3531	Strategic Marketing Management	6.00	MKT	4411	4.000
The University of Hong Kong	CHEM	4144	Advanced materials	6.00	MLE	3104	4.000
The University of Hong Kong	MECH	3427	Design and Manufacture	6.00	MLE	3103	4.000
The University of Hong Kong	MEDE	2810	Engineering management and society	6.00	EG	2401	3.000
The University of Hong Kong	MEDE	4604	Cell and tissue engineering	6.00	BN	4301	4.000
The University of Hong Kong	MGMT	3405	Organisational Behaviour	6.00	MNO	3301	4.000
The University of Hong Kong	MKTG	3531	Strategic Marketing Management	6.00	MKT	4411	4.000
The University of Sheffield	MAT	1220	Introduction to Materials Properties	10.00	MLE	3105	4.000
The University of Sheffield	MAT	1910	Introduction to Nanoscience and Nanomaterials	10.00	MLE	4206	4.000
The University of Sheffield	MAT	2220	Functional Materials	10.00	MLE	3105	4.000
The University of Sheffield	MAT	2410	Biomaterials II	10.00	BN	3301	4.000

The University of Sheffield	MAT	3332	Advanced Ceramics	10.00	MLE	2107	4.000
The University of Sheffield	MAT	4111	Functional and Structural Ceramics	15.00	MLE	2107	4.000
The University of Sheffield	MAT	6103	Polymer Materials Science and Engineering	15.00	MLE	3104	4.000
The University of Sheffield	MAT	6516	Materials for Energy Applications	15.00	MLE	4210	4.000
The University of Sheffield	MAT	6720	Nanostructures and Nano-structuring	15.00	MLE	4204	4.000
The University of Sheffield	MEC	306	The Professional Responsibility of Engineers	10.00	EG	2401	3.000
The University of Sheffield	MEC	307	Group Design Project	20.00	MLE	4102	4.000
The University of Sheffield	TRP	105	The Environmental Challenge	10.00	GEH	1025	4.000
Tokyo Institute of Technology	CAP	I473	Nanotechnology and Nanoscience	2.00	MLE	4206	4.000
Tokyo Institute of Technology	ENR	B431	Recent technologies of fuel cells, solar cells batteries and energy system	1.00	MLE	4210	4.000
Tokyo Institute of Technology	ENR	ENR.A405-0	Interdisciplinary Energy Materials Science 1	1.00	MLE	4210	4.000
Tokyo Institute of Technology	ENR	ENR.A406	Interdisciplinary Energy Materials Science 2	1.00			
Tokyo Institute of Technology	ENR	ENR.J401	Advanced Metal Physics	2.00	MLE	4209	4.000
Tokyo Institute of Technology	ENR	J405	Microstructure Evolution and Diffusion in Metals	2.00	MLE	2106	4.000
Tokyo Institute of Technology	ENR	L410	Introduction to Photovoltaics	2.00	MLE	4208	4.000
Tokyo Institute of Technology	ESD	D401	Material Selection for Engineering Design	2.00	MLE	3103	4.000
Tokyo Institute of Technology	GEG	P451	Project Design & Management S	2.00	MLE	4102	4.000
Tokyo Institute of Technology	LAW	X321	The Age of Ethical Crisis for Professional Scientists	1.00	EG	2401	3.000
Tokyo Institute of Technology	MAT	M402	Characterization of Nanomaterials b	2.00	MLE	4201	4.000
Tokyo Institute of Technology	MAT	MAT.M403	Environmental Degradation of Materials	2.00	MLE	3102	4.000
University of Applied Sciences Esslingen	NIL	NIL	Project Work	4.00	MLE	3103	4.000
University of Applied Sciences Esslingen	NIL	NIL	Corrosion Protection	5.00	MLE	3102	4.000
University of Applied Sciences Esslingen	MB	601	Sustainable Energy Systems	8.00	MLE	4210	4.000
University of Applied Sciences Esslingen	MB	602	Sustainable Energy Systems	8.00			
University of Applied Sciences Esslingen	ME	401	Control Engineering	5.00	ME	2142	4.000
University of Applied Sciences Esslingen	MB	603	Project Work 2	5.00	MLE	4102	4.000
University of Applied Sciences Esslingen	NIL	NIL	Design and Development Methodology	2.00	MLE	3103	4.000
University of Applied Sciences Esslingen	NIL	NIL	Ecologic and Economic Design	2.00			
University of Applied Sciences Esslingen	NIL	NIL	Lightweight Design	4.00			
University of California	MATH	32A	Calculus of Several Variables	4.00	MA	1104	4.000
University of California	MATSCI	113	Mechanical Behavior of Engineering Materials	3.00	MLE	3203	4.000
University of California	MAT SCI	117	Properties of Dielectric and Magnetic Materials	3.00	MLE	3105	4.000
University of California	MATSCI	123	Electronic Materials Processing	4.00	MLE	4207	4.000
University of California	MATSCI	130	Experimental Materials Science and Design	3.00	MLE	3111	3.000
University of California	MATSCI	136	Materials in Energy Technologies	4.00	MLE	4210	4.000
University of California	MATSCI	224	Magnetism and Magnetic Materials	3.00	MLE	4209	4.000
University of California	MATSCI	C118	Biological Performance of Materials	4.00	BN	3301	4.000
University of California	MSE	103	Phase Transformations and Kinetics	3.00	MLE	2103	3.000
University of California	MSE	111	Properties of Electronic Materials	4.00	MLE	2105	4.000
University of California	MSE	112	Corrosion	3.00	MLE	3102	4.000
University of California	MSE	113	Mechanical Behavior of Engineering Materials	3.00	MLE	3203	4.000
University of California	MSE	117	Properties of Dielectric and Magnetic Materials	3.00	MLE	3105	4.000
University of California	MSE	121	Metals Processing	3.00	MLE	2106	4.000
University of California	MSE	122	Ceramic Processing	3.00	MLE	2107	4.000
University of California	MSE	130	Experimental Materials Science and Design	3.00	MLE	3111	3.000
University of California	MSE	136	Materials in Energy Technologies	4.00	MLE	4210	4.000
University of California	MSE	140	Nanomaterials for Scientists and Engineers	3.00	MLE	4206	4.000
University of California	MSE	150	Introduction to Polymers	4.00	MLE	3104	4.000
University of California	MSE	151	Polymeric Materials	3.00	MLE	3104	4.000
University of California	MSE	118C	Biological Performance of Materials.	4.00	BN	3301	4.000

University of California	PSYCH	2	Principles of Psychology	3.00	PLB	1201	4.000
University of California	PHYSICS	137A	Quantum Mechanics	4.00	PC	2130	4.000
University of California	SOCIOL	1	Introductory Sociology	5.00	SC	1101E	4.000
University of California	UGBA	107	The Social, Political, and Ethical Environment of Business	3.00	EG	2401	3.000
University of Illinois, Urbana-Champaign	CHEM	447	Physical Principles Lab II	2.00	PC	3193	4.000
University of Illinois, Urbana-Champaign	MSE	280	Engineering Materials	3.00	MLE	3203	4.000
University of Illinois, Urbana-Champaign	MSE	403	Synthesis of Materials	3.00	MLE	3203	4.000
University of Illinois, Urbana-Champaign	MSE	421	Ceramic Processing	3.00	MLE	3203	4.000
University of Illinois, Urbana-Champaign	MSE	443	Design of Engineering Alloys	3.00	MLE	4102	4.000
University of Illinois, Urbana-Champaign	MSE	485	Atomic Scale Simulations	3.00	MLE	4205	4.000
University of Illinois, Urbana-Champaign	PHYS	212	University Physics: Elec & Mag	4.00	PC	2131	4.000
University of Illinois, Urbana-Champaign	PHYS	403	Modern Experimental Physics	5.00	PC	3193	4.000
University of Illinois, Urbana-Champaign	PHYS	498 CMP	Computation in Physics	3.00	PC	4236	4.000
University of Pittsburgh	BIOENG	1620	Introduction to Tissue Engineering	3.00	BN	4301	4.000
University of Pittsburgh	ENGR	1050	Product Realization	3.00	MLE	3103	4.000
University of Pittsburgh	ENGR	1066	Introduction to Solar Cells and Nanotechnology	3.00	MLE	4208	4.000
University of Pittsburgh	MEMS	1028	Mechanical Design 1	3.00	MLE	3103	4.000
University of Pittsburgh	MEMS	1030	MATERIAL SELECTION	3.00	MLE	3103	4.000
University of Pittsburgh	MEMS	1043	Senior Design Project	3.00	MLE	4102	4.000
University of Pittsburgh	MEMS	1048	ANALYSIS AND CHARACTERIZATION AT THE NANO-SCALE	3.00	MLE	4201	4.000
University of Pittsburgh	MEMS	1163	Ceramic Materials	3.00	MLE	2107	3.000
University of Pittsburgh	MSE	2037	Nanomechanics, Materials and Device	3.00	MLE	4206	4.000
University of Pittsburgh	MSE	2073	CERAMIC MATERIALS	3.00	MLE	2107	3.000
University of Pittsburgh	MSE	2078	NANOPARTICLES: SCIENCE AND TECHNOLOGY	3.00	MLE	4206	4.000
University of Stuttgart	-	11130	Funktionsmaterialien	6.00	MLE	3105	4.000
University of Stuttgart	-	11590	Photovoltaik I	6.00	MLE	4208	4.000
University of Stuttgart	-	14030	Fundamentals of Microelectronics	6.00	MLE	3105	4.000
University of Stuttgart	-	14150	Lightweight Construction	6.00	MLE	3103	4.000
University of Stuttgart	-	18260	Polymer reactions	6.00	MLE	3104	4.000
University of Stuttgart	-	21240	Biomaterials - Biocompatible and bio-based materials	6.00	BN	3301	4.000
University of Stuttgart	-	33220	Biomaterials for Implants	3.00	ME	4253	4.000
University of Stuttgart	-	35700	Advanced Materials Analysis: Structure and Properties	6.00	MLE	4201	4.000
University of Stuttgart	-	35900	polymeric materials	6.00	MLE	4202	4.000
University of Stuttgart	-	39190	Polymer Materials Science	6.00	MLE	4202	4.000
University of Stuttgart	-	68840	Keramische Werkstoffe	6.00	MLE	2107	4.000
University of Stuttgart	-	69270	Nanomaterials	6.00	MLE	4206	4.000
University of Stuttgart	-	69310	Materials for Energy Technologies	6.00	MLE	4210	4.000
University of Stuttgart	-	14030	Fundamentals of Microelectronics	6.00	MLE	4207	4.000
University of Technology of Troyes	MA	11	Metallic Materials	6.00	MLE	2106	4.000
University of Technology of Troyes	OP	01	Optic and optoelectronic materials	6.00	EE	4401	4.000
University of Technology of Troyes	TMA	02	Advanced methods for experimental characterization	6.00	MLE	4201	4.000
University of Technology of Troyes	TN	14	Initiation into C.A.D.: geometric modeling	6.00	ME	2103	3.000
University of Waterloo	CS	105	Introduction to Computer Programming 1	0.50	CS	1010E	4.000
University of Waterloo	NE	335	Soft Nanomaterials	0.50	MLE	4202	4.000
University of Waterloo	NE	345	Photonic Materials and Devices	0.50	PC	3243	4.000
University of Waterloo	NE	381	Introduction to Nanoscale Biosystems	0.50	MLE	3202	4.000
University of Waterloo	NE	451	Simulation Methods	0.50	MLE	4205	4.000
University of Waterloo	NE	453	Special Topics in Nanotechnology Engineering	0.50	MLE	4204	4.000
University of Waterloo	NE	471	Nano-electronics	0.50	MLE	4211	4.000
University of Waterloo	NE	491	Nanostructured Materials	0.50	MLE	4204	4.000



University of Waterloo	PD	22	Professionalism and Ethics in Engineering Practice	0.50	EG	2401	3.000
University of Waterloo	PHIL	315	Engineering Ethics	0.50	EG	2401	3.000
University of Waterloo	PHYS	435	Current Topics in Condensed Matter Physics	0.50	PC	4240	4.000
University of Waterloo	PHYS	461	Nanophysics	0.50	PC	3251	4.000
University of Waterloo	PHYS	490	Special topics in Physics	0.50	PC	4991	4.000
Uppsala University	1FA	588	Surface Physics	5.00	PC	4253	4.000
Uppsala University	1FA	590	Semiconductor Electrochemistry - Solar Cells and Photocatalysis	5.00	MLE	4208	4.000
Uppsala University	1KB	263	Biomaterial I	5.00	BN	3301	4.000
Uppsala University	1KB	264	Biomaterials II	5.00	MLE	4203	4.000
Uppsala University	1TE	698	Nanotechnology for Industrial Applications in Life Science	5.00	MLE	4206	4.000
Yonsei University	IEE	3293	Strategic Management	3.00	PF	1101	4.000