

Aalto University_Sem 1

Mapping Seq Nbr	PU Course Subject	PU Course Nbr	PU Course Title	PU Course Units	NUS Subject Area	NUS Catalog Nbr	NUS Course Title	NUS Course Unit	Mapping Status
1	WAT	E2100	Urban Water Systems D	5	ESE	4405	Urban Water Eng & Mgt	4	Approved
1	AAE	E3100	Energy Carriers D	5	ESE	4616	Exchange Technical Elective 1	4	Approved
1	AAE	E3120	Circular Economy for Energy Storage D	5	EX	2007	Exchange UEM (CEE)	4	Approved
1	AAE	E3050	Bioenergy and Biofuels D	5	ESE	4404	Bioenergy	4	Approved
1	AAE	E1000	Introduction to Advanced Energy Solutions	5	ESE	4406	Energy Systems and Climate Cha	4	Rejected
1	WAT	E2040	Surface Water Resources D	5	ESE	4612	Exchange Unrestricted Elective	4	Approved
1	PHYS	C6370	Fundamentals of New Energy Sources	5	ESE	4406	Energy Systems and Climate Cha	4	Approved
1	AAN	C2007	Product Sustainability	5	EX	3897	Exchange Technical Elective (C	4	Approved
1	AAN	C2006	Product Analysis	5	EX	4003	Exchange Technical Elective (C	4	Approved
1	CIV	E3040	Indoor Environment Technology D	5	EX	1007	Exchange UEM (CEE)	4	Approved
1	WAT	E2060	Sustainable Built Environment D	5	EX	1006	Exchange UEM (CEE)	4	Approved
1	LC	7210	Finnish 1	3	EX	1016	Exchange UEM (CEE)	2	Rejected

City University of Hong Kong_Sem 2

Mapping Seq Nbr	PU Course Subject	PU Course Nbr	PU Course Title	PU Course Units	NUS Subject Area	NUS Catalog Nbr	NUS Course Title	NUS Course Unit	Mapping Status
1	SEE	3003	Climate Change and Adaptation Strategies	3	ESE	4406	Energy Systems and Climate Cha	4	Rejected
1	SEE	4001	Engineers in Society	1	EG	2401A	Engineering Professionalism	2	Rejected
1	SEE	4203	Advanced Treatment and Management of Solid and Municipal Waste	3	ESE	3101	Resource Management and Circul	4	Approved
1	SEE	4217	Waste and Wastewater Treatment Engineering	3	ESE	3401	Sustainable Urban Water Techno	4	Approved
1	SEE	3001	Energy and Environmental Policy	3	CE	2003	Energy, Environment and Econom	4	Approved
1	SEE	3203	Air Pollution	3	ESE	3201	Air Quality in Changing Envrn	4	Approved
1	SEE	3104	Sustainable and Renewable Energy	3	PF	3504	Sustainable Energy Management	4	Approved
1	SEE	4004	Environmental Impact Assessment for Sustainable Development	4	ESE	4408	Environmental Impact Assessmen	4	Approved
1	SEE	3003	Climate Change and Adaptation Strategies	3	CE	5315	Climate Science for Engineers	4	Approved

Hong Kong Uni of Sci & Tech_Sem 1

Mapping Seq Nbr	PU Course Subject	PU Course Nbr	PU Course Title	PU Course Units	NUS Subject Area	NUS Catalog Nbr	NUS Course Title	NUS Course Unit	Mapping Status
1	CIVL	3610	Traffic and Transportation Engineering	3	CE	3121	Urban Transportation Engineeri	4	Approved
1	CIVL	3320	Design of Reinforced Concrete	3	CE	3165	Concrete Design for Urban Infr	4	Approved
1	CIVL	3510	Hydrosystems Engineering	3	CE	3132	Hydrology and Free Surface Flo	4	Approved
1	CE	4320	Structural Steel Design	3	CE	3166	Structural Steel Design & Syst	4	Approved

HK Uni of Science & Technology_Sem 2

Mapping Seq Nbr	PU Course Subject	PU Course Nbr	PU Course Title	PU Course Units	NUS Subject Area	NUS Catalog Nbr	NUS Course Title	NUS Course Unit	Mapping Status
1	CIVL	4430	Environmental Impact Assessment	3	ESE	4408	Environmental Impact Assessmen	4	Approved
1	CIVL	4560	Urban Hydroclimate and the built environment	3	ESE	3401	Sustainable Urban Water Techno	4	Rejected
1	CIVL	3420	Water and Wastewater engineering	3	ESE	3401	Sustainable Urban Water Techno	4	Approved
1	CIVL	2501	Fluid Mechanics	3	CE	2134	Fluid Mechanics	4	Approved
1	CIVL	4100V	Green Technology for Sustainable Development	3	CE	3981	Exchange Technical Elective	4	Approved
1	CIVL	2020	Industrial and BIM Training	3	CE	2409	Computer Applications in Civil	4	Approved
1	CIVL	3740	Geotechnical Analysis and Design	3	CE	3982	Exchange Technical Elective	4	Rejected
1	CIVL	4240	Smart Infrastructure Sensing and Data Analytics	3	CE	5515	Structural Health Monitoring	4	Rejected
1	CIVL	4450	Carbon Footprint Analysis and Reduction	3	EX	3897	Exchange Technical Elective (C	4	Approved
1	CIVL	4100T	Applications of Artificial Intelligence in Remote Sensing	3	CE	3982	Exchange Technical Elective	4	Approved
1	LANG	1133	Cantonese for Chinese Language Background Students I	3	CE	3963	Exchange Unrestricted Elective	4	Rejected
1	LANG	1133	Cantonese for Chinese Language Background Students I	3	CL	2741	Department Exchange Course	4	Rejected
1	LANG	1133	Cantonese for Chinese Language Background Students I	3	LAX	1741	Department Exchange Course	4	Approved

KTH Royal Inst of Technology_Sem 1

Mapping Seq Nbr	PU Course Subject	PU Course Nbr	PU Course Title	PU Course Units	NUS Subject Area	NUS Catalog Nbr	NUS Course Title	NUS Course Unit	Mapping Status
1	AF	2101	Concrete Structures	7.5	CE	3165	Concrete Design for Urban Infr	4	Approved
2	AF	2101	Concrete Structures	7.5	EX	1016	Exchange UEM (CEE)	2	Approved
1	AF	2609	Foundation Engineering	7.5	CE	3116	Foundation Engineering	4	Approved
2	AF	2609	Foundation Engineering	7.5	EX	2044	Exchange UEM (CEE)	1	Approved
1	AK	1213	Swedish Society, Culture and Industry in Historical Perspective	7.5	EU	4751	Department exchange course	5	Rejected
1	AF	2610	Tunnel Engineering	7.5	CE	5104	Underground Space	4	Approved
1	AH	2171	Traffic Engineering and Management	7.5	CE	3121	Urban Transportation Engineeri	4	Rejected
1	AF	2301	Building Materials, Advanced Course	7.5	CE	4982	Exchange Technical Elective	4	Approved
1	AF	2403	Building Damages	7.5	CE	3982	Exchange Technical Elective	4	Approved
1	AF	2404	Building Acoustics	7.5	CE	3961	Exchange Unrestricted Elective	4	Approved
1	AF	2507	Sustainable Buildings - Concept, Design, Construction and Operation	7.5	CE	4981	Exchange Technical Elective	4	Approved
1	AF	2508	Building Service Technologies and Systems	7.5	CE	3963	Exchange Unrestricted Elective	4	Approved
1	AF	2011	Structural Dynamics for Engineers	7.5	CE	5516	Structural Stability & Dynamic	4	Rejected
1	AF	2901	Road and Railway Track Engineering	7.5	EX	4116	Exchange Technical Elective (C	5	Approved
1	AH	2170	Transport Data Collection and Analysis	7.5	CE	5209	Transportation Data Analytics	4	Approved
1	AK	2011	Technology and Ethics	7.5	EG	2401A	Engineering Professionalism	2	Approved
1	AE	2401	Engineering Geology	7.5	CE	3981	Exchange Technical Elective	4	Approved
1	AF	2213	Steel and Timber Structures	7.5	CE	3166	Structural Steel Design & Syst	4	Approved
1	AK	1213	Swedish Society, Culture and Industry in Historical Perspective	7.5	HY	2741	Department Exchange Course	4	Rejected
1	AG	2806	Environmental Aspects of the Built Environment	7.5	CE	4981	Exchange Technical Elective	4	Approved
1	AK	1213	Swedish Society, Culture and Industry in Historical Perspectives	7.5	HY	2741	Department Exchange Course	4	Approved

KTH-Royal Institute of Technology_ Sem 2

Mapping Seq Nbr	PU Course Subject	PU Course Nbr	PU Course Title	PU Course Units	NUS Subject Area	NUS Catalog Nbr	NUS Course Title	NUS Course Unit	Mapping Status
1	AL	2300	Natural Resources Management Tools	7.5	ESE	3101	Resource Management and Circul	4	Rejected
1	BB	1030	Microbiology	9	ESE	3301	Microbiology in Natural and Bu	4	Rejected
2	BB	2560	Advanced Microbiology and Metagenomics	7.5	ESE	3301	Microbiology in Natural and Bu	4	Rejected
1	AL	2130	Waste Management	7.5	ESE	3101	Resource Management and Circul	4	Approved
2	AL	2130	Waste Management	7.5	EX	2047	Exchange UEM (CEE)	2	Approved
1	BB	2560	Advanced Microbiology and Metagenomics	7.5	ESE	3301	Microbiology in Natural and Bu	4	Approved
1	LS	140N	Swedish A1 for Engineers	7.5	LAX	1741	Department Exchange Course	4	Rejected
1	AE	2304	Water and Wastewater Handling	7.5	ESE	4401	Water & Wastewater Engineerg 2	4	Approved
2	AE	2304	Water and Wastewater Handling	7.5	EX	2046	Exchange UEM (CEE)	2	Approved
1	AE	2104	Environmental Measuring and Monitoring	7.5	ESE	4616	Exchange Technical Elective 1	4	Approved
1	AK	1213	Swedish Society, Culture and Industry in Historical Perspective	7.5	EX	1000	Exchange UEM	4	Rejected
1	AK	1213	Swedish Society, Culture and Industry in Historical Perspective	7.5	HY	2741	Department Exchange Course	4	Approved
1	LS	140N	Swedish A1 for Engineers	7.5	LAX	2742	Department Exchange Course	4	Rejected
1	MJ	2511	Energy Management	7.5	PF	3504	Sustainable Energy Management	4	Approved
1	AE	2507	Strategic Environmental Assessment	7.5	ESE	4408	Environmental Impact Assessmen	4	Rejected
1	AE	1501	Environmental System Analysis for Built Environment	7.5	GESS	1014	Managing Singapore's Built Env	4	Approved
1	AG	2147	Sustainable Urbanism and Green Metropolitan City Regions	7.5	PF	4502	Green Development	4	Approved
1	MJ	2511	Energy Management	7.5	CM	4282	Energy Resources	4	Rejected

McGill University_Sem 1

Mapping Seq Nbr	PU Course Subject	PU Course Nbr	PU Course Title	PU Course Units	NUS Subject Area	NUS Catalog Nbr	NUS Course Title	NUS Course Unit	Mapping Status
1	CIVE	557	Microbiology for Environmental Engineering	3	ESE	3301	Microbiology in Natural and Bu	4	Approved
1	CHEE	592	Industrial Air Pollution Control	3	ESE	3201	Air Quality in Changing Envrn	4	Approved
1	CHEE	314	Fluid Mechanics	3	CE	2134	Fluid Mechanics	4	Rejected
1	MECH	331	Fluid Mechanics 1	3	CE	2134	Fluid Mechanics	4	Rejected
1	ARCH	377	Energy, Environment, and Buildings 1	3	PF	3504	Sustainable Energy Management	4	Approved
1	CHEM	519	Advances in Chemistry of Atmosphere	3	ESE	3201	Air Quality in Changing Envrn	4	Rejected
1	CHEE	314	Fluid Mechanics	3	CE	3981	Exchange Technical Elective	4	Approved
1	SOCI	210	Sociological Perspectives	3	SC	3741	Department Exchange Course	4	Approved
1	PHIL	202	The Good Life	3	PH	2741	Department Exchange Course	4	Approved
1	CIVE	430	Water Treatment and Pollution Control	3	ESE	3401	Sustainable Urban Water Techno	4	Approved
1	EPSC	210	Introductory Mineralogy	3	ENV	1991	Exchange Enrichment Level 1000	4	Rejected
1	EPSC	210	Introductory Mineralogy	3	GE	2703	Geography Exchange Course	4	Approved
1	CIVE	323	Hydrology and Water Resources	3	ESE	4616	Exchange Technical Elective 1	4	Approved
1	GEOG	302	Environmental Management 1	3	ESE	4408	Environmental Impact Assessmen	4	Approved
1	SOCI	250	Social Problems	3	SC	3741	Department Exchange Course	4	Approved

Nat Taiwan Uni of Sci & Tech_Sem 1

Mapping Seq Nbr	PU Course Subject	PU Course Nbr	PU Course Title	PU Course Units	NUS Subject Area	NUS Catalog Nbr	NUS Course Title	NUS Course Unit	Mapping Status
1	CT	3709701	Transportation Engineering	3	CE	3121	Urban Transportation Engineeri	4	Approved
1	CT	3304303	Reinforced Concrete Design	3	CE	3165	Concrete Design for Urban Infr	4	Approved
1	3TG	83701	Occupational Ethics and Workplace Spirituality	3	EG	2401A	Engineering Professionalism	2	Approved
1	3N	6451701	Studies in Professional Ethics	3	EG	2401A	Engineering Professionalism	2	Approved
1	CT	3403303	Foundation Engineering	3	CE	3116	Foundation Engineering	4	Approved
1	CT	3801702	Hydrology for Engineers	3	CE	3132	Hydrology and Free Surface Flo	4	Approved
1	CT	3307303	Structural Steel Design	3	CE	3166	Structural Steel Design & Syst	4	Approved
1	CT	5805701	Software Engineering in Construction Information Systems	3	CE	2409	Computer Applications in Civil	4	Rejected
1	3T	3338702	Planet of the Apes All The World's Primates	3	EX	3103	Exchange UEM (CEE)	4	Approved

Nat Taiwan Uni of Sci & Tech_Sem 2

Mapping Seq Nbr	PU Course Subject	PU Course Nbr	PU Course Title	PU Course Units	NUS Subject Area	NUS Catalog Nbr	NUS Course Title	NUS Course Unit	Mapping Status
1	3T	8248701	Foundation Design and Analysis	3	CE	3116	Foundation Engineering	4	Approved
1	TU	40733	Structural Steel Design	3	CE	3166	Structural Steel Design & Syst	4	Rejected
1	CT	4301303	Project Planning & Control	3	PF	2205	Project Finance	4	Approved
1	3T	5430701	Mobile Cloud Service APP Design	3	CE	3962	Exchange Unrestricted Elective	4	Rejected
1	CT	3801702	Hydrology for Engineers	3	CE	3132	Hydrology and Free Surface Flo	4	Approved
1	CT	6301701	Behavior of Steel Members	3	CE	3166	Structural Steel Design & Syst	4	Approved
1	CS	301670	.NET Programming	3	EX	2007	Exchange UEM (CEE)	4	Approved
1	CT	371070	Application of BIM in construction, mechanical and electrical engineering	3	EX	2008	Exchange UEM (CEE)	4	Approved
1	3T	5430701	Mobile Cloud Service APP Design	3	EX	2009	Exchange UEM (CEE)	4	Approved

Technical Uni of Denmark_Sem 1

Mapping Seq Nbr	PU Course Subject	PU Course Nbr	PU Course Title	PU Course Units	NUS Subject Area	NUS Catalog Nbr	NUS Course Title	NUS Course Unit	Mapping Status
1	12	109	Physico-Chemical Water Treatment Technologies	5	ESE	3401	Sustainable Urban Water Techno	4	Approved
1	12	228	Urban Air Pollution	5	ESE	3201	Air Quality in Changing Envrn	4	Approved
1	28	872	Biorefinery	5	ESE	4404	Bioenergy	4	Approved
1	28	870	Energy and Sustainability	5	ESE	4406	Energy Systems and Climate Cha	4	Approved
1	47	202	Introduction to Future Energy	5	EX	3897	Exchange Technical Elective (C	4	Approved
1	12	336	Groundwater Quality	5	ESE	4617	Exchange Technical Elective 2	4	Approved
1	12	104	Environmental Modelling	10	ESE	4616	Exchange Technical Elective 1	4	Approved
1	12	111	Environmental Processes for MSc Students	5	ESE	3401	Sustainable Urban Water Techno	4	Rejected
1	12	245	Water Pollution	5	ESE	3401	Sustainable Urban Water Techno	4	Approved
1	12	104	Environmental Modelling	10	ESE	4617	Exchange Technical Elective 2	4	Approved
2	12	104	Environmental Modelling	10	EX	4114	Exchange Technical Elective (C	3	Approved
1	DTU	12772	Life Cycle Assessment of Products and Systems	10	ESE	4408	Environmental Impact Assessmen	4	Rejected
1	DTU	12145	Terrestrial Ecology for Engineers	5	ESE	4618	Exchange Technical Elective 3	4	Approved
1	DTU	12122	Urban Drainage and Stormwater Management	5	ESE	4405	Urban Water Eng & Mgt	4	Rejected
1	DTU	25325	Marine Ecosystems and Climate Change	5	ESE	4612	Exchange Unrestricted Elective	4	Approved
1	DTU	2807	Computational Tools for Data Science	5	EX	1000	Exchange UEM	4	Approved
1	DTU	12104	Environmental Modelling	10	ESE	4616	Exchange Technical Elective 1	4	Approved

University of California_Sem 2

Mapping Seq Nbr	PU Course Subject	PU Course Nbr	PU Course Title	PU Course Units	NUS Subject Area	NUS Catalog Nbr	NUS Course Title	NUS Course Unit	Mapping Status
1	CIV ENG	175	Geotechnical and Geoenvironmental Engineering	3	CE	3981	Exchange Technical Elective	4	Approved
1	CIV ENG	203N	Surface Water Hydrology	3	CE	3132	Hydrology and Free Surface Flo	4	Rejected
1	CIV ENG	252	Systems Analysis in Transportation	3	EX	3897	Exchange Technical Elective (C	4	Approved
1	CIV ENG	250	Transportation Policy and Planning	3	CE	3121	Urban Transportation Engineeri	4	Rejected
1	CIV ENG	123	Design of Reinforced Concrete Structures	3	CE	3165	Concrete Design for Urban Infr	4	Approved
1	ENGIN	125	Ethics, Engineering, and Society	3	EG	2401A	Engineering Professionalism	2	Approved
1	HISTORY	20	Introduction to the History of Religion	4	GEC	1013	World Religions	4	Approved
1	HISTORY	190	Soccer: A Global History	4	GEC	1029	Worlds of Football	4	Approved
1	POLECON	C45	Survey of World History	4	GEC	1037	Big Picture History	4	Approved
1	CIV ENG	175	Geotechnical and Geoenvironmental Engineering	3	CE	3116	Foundation Engineering	4	Rejected
1	ENGIN	157AC	Engineering, The Environment, and Society	4	EG	2401A	Engineering Professionalism	2	Rejected
1	CIV ENG	277	Advanced Foundation Engineering	3	CE	3116	Foundation Engineering	4	Approved
1	LS	C70Y	Earthquakes in Your Backyard	3	CE	3981	Exchange Technical Elective	4	Approved

The Hong Kong Polytechnic Uni_Sem 1

Mapping Seq Nbr	PU Course Subject	PU Course Nbr	PU Course Title	PU Course Units	NUS Subject Area	NUS Catalog Nbr	NUS Course Title	NUS Course Unit	Mapping Status
1	CSE	30337	Water and Waste Management	3	ESE	3401	Sustainable Urban Water Techno	4	Approved
1	CSE	40462	Environmental Impact Assessment - Theory and Practice	3	ESE	4408	Environmental Impact Assessmen	4	Approved
1	CSE	560	Indoor Air Quality Management	3	ESE	3201	Air Quality in Changing Envrn	4	Approved
1	BSE	4412	Renewable Energy	3	ESE	4406	Energy Systems and Climate Cha	4	Approved
1	BSE	455	Sustainable Buildings	3	PF	3210	Total Building Performance	4	Rejected
1	EE	460	Energy Policy and Management	3	PF	3504	Sustainable Energy Management	4	Approved
1	CSE	518	Water and Wastewater Treatment	3	ESE	3401	Sustainable Urban Water Techno	4	Approved
1	BSE	458	Building Performance Diagnosis and Management	3	PF	3210	Total Building Performance	4	Approved
1	CSE	377	Occupational Health and Hygiene	3	PF	4208	Safety and Health Management	4	Approved
1	ABCT	3103	Environmental Science	3	LSM	3254	Ecology of Aquatic Environment	4	Rejected
1	BSE	4417	Energy Efficient Buildings and Assessment	3	PF	3210	Total Building Performance	4	Approved
1	BSE	4417	Energy Efficient Buildings and Assessment	3	PF	3504	Sustainable Energy Management	4	Approved
1	CSE	40475	Sustainable Development Strategy	3	ESE	4616	Exchange Technical Elective 1	4	Approved
1	LSG	12223	Geographic Information Science	3	GE	2215	Introduction to GIS	4	Approved

The University of Auckland_Sem 1

Mapping Seq Nbr	PU Course Subject	PU Course Nbr	PU Course Title	PU Course Units	NUS Subject Area	NUS Catalog Nbr	NUS Course Title	NUS Course Unit	Mapping Status
1	ENVENG	331	Three Waters: Quality and Treatment	15	ESE	3401	Sustainable Urban Water Techno	4	Rejected
2	ENVENG	331	Three Waters: Quality and Treatment	15	EX	2044	Exchange UEM (CEE)	1	Approved
1	ENVSCI	713	Air Quality and Atmospheric Processes	15	ESE	3201	Air Quality in Changing Envrn	4	Approved
2	ENVSCI	713	Air Quality and Atmospheric Processes	15	EX	2045	Exchange UEM (CEE)	1	Approved
1	GISCI	140	Geographic Information and Spatial Thinking	15	GE	2215	Introduction to GIS	4	Approved
1	ENGEN	140	Fundamentals of Engineering in Society	15	EG	2401A	Engineering Professionalism	2	Rejected
1	GEOG	102	Geography of the Human Environment	15	GE	2231	Living Space: Introducing Soci	4	Rejected
1	GEOG	205	Environment and Society	15	GE	3250	Nature and Society	4	Approved
1	ENVENG	707	Advanced Water Treatment and Reuse	15	ESE	4401	Water & Wastewater Engineerg 2	4	Approved
1	CIVIL	302	Hydrology and Open Channel Flow	15	CE	3132	Hydrology and Free Surface Flo	4	Approved
1	ENVENG	331	Three waters: Quality and Treatment	15	ESE	3401	Sustainable Urban Water Techno	4	Approved
2	ENVENG	331	Three waters: Quality and Treatment	15	EX	2044	Exchange UEM (CEE)	1	Approved
1	ENVSCI	711	Environmental Impact Assessment	15	ESE	4408	Environmental Impact Assessmen	4	Approved
2	ENVSCI	711	Environmental Impact Assessment	15	EX	2046	Exchange UEM (CEE)	2	Approved
1	GEOG	101	Earth Surface Processes and Landforms	15	GE	3256	Earth Surface Processes, Landf	4	Approved

The Uni of British Columbia_Sem 1

Mapping Seq Nbr	PU Course Subject	PU Course Nbr	PU Course Title	PU Course Units	NUS Subject Area	NUS Catalog Nbr	NUS Course Title	NUS Course Unit	Mapping Status
1	CIVL	340	Transportation Engineering I	3	CE	3121	Urban Transportation Engineeri	4	Approved
1	CIVL	440	Transportation Engineering II	3	CE	4221	Design of Land Transport Infra	4	Approved
1	CIVL	430	Design of Concrete Structures	4	CE	3165	Concrete Design for Urban Infr	4	Approved
2	CIVL	430	Design of Concrete Structures	4	EX	2044	Exchange UEM (CEE)	1	Approved
1	CIVL	426	Virtual Design and Construction	3	CE	5808QA	Virtual Design in BIM	2	Approved
2	CIVL	426	Virtual Design and Construction	3	CE	5808QB	Advanced Digital Construction	2	Approved
1	CIVL	410	Foundation Engineering I	3	CE	3116	Foundation Engineering	4	Approved
1	CIVL	316	Hydrology and Open Channel Flow	4	CE	3132	Hydrology and Free Surface Flo	4	Approved
2	CIVL	418	Engineering Hydrology	3	CE	3132	Hydrology and Free Surface Flo	4	Approved
1	CIVL	432	Advanced Structural Steel Design	3	CE	3166	Structural Steel Design & Syst	4	Approved
1	FRST	303	Principles of Forest Science	3	EX	1005	Exchange UEM (CEE)	4	Approved
1	CIVL	320	Civil Engineering Materials	3	CE	3981	Exchange Technical Elective	4	Approved
1	CHBE	485	Air Pollution Prevention and Air Quality Engineering	3	ESE	3201	Air Quality in Changing Envrn	4	Approved
1	CIVL	406	Water Treatment and Waste Management	3	ESE	3401	Sustainable Urban Water Techno	4	Approved
1	GEOS	270	Geographic Information System	3	GE	2215	Introduction to GIS	4	Approved
1	CIVL	416	Environment Hydraulics	3	ESE	4617	Exchange Technical Elective 2	4	Approved
1	CIVL	417	Coastal Engineering	3	ESE	4616	Exchange Technical Elective 1	4	Approved
1	ATSC	201	Meteorology of Storms	3	GE	3253	Weather and Climate	4	Approved
1	EOSC	210	Earth Science for Engineers	3	EX	1000	Exchange UEM	4	Approved
1	CHBE	373	Water Pollution Control	4	ESE	3401	Sustainable Urban Water Techno	4	Approved
2	CHBE	373	Water Pollution Control	4	EX	2044	Exchange UEM (CEE)	1	Approved
1	EOSC	372	Introductory Oceanography: Circulation and Plankton	3	EX	1001	Exchange UEM	4	Approved
1	ATSC	113	Applied Meteorology	3	EX	1002	Exchange UEM	4	Approved
1	CHBE	483	Energy Engineering for Climate Change and Sustainability	3	ESE	4404	Bioenergy	4	Approved
1	ENST	319	Environmental Impact Assessment	3	ESE	4408	Environmental Impact Assessmen	4	Approved
1	FRST	201	Forest Ecology	3	LSM	2251	Ecology and Environment	4	Approved
1	CONS	127	Observing the Earth from Space	3	GE	1701	Geography Exchange Course	4	Approved
1	CONS	200	Foundations of Conservation	3	EX	2000	Exchange UEM	4	Approved
1	DANI	100	Elementary Danish I	3	LAK	1742	Department Exchange Course	4	Rejected
1	CIVL	432	ADVANCED STRUCTURAL STEEL DESIGN	3	CE	3166	Structural Steel Design & Syst	4	Approved
1	CIVL	402	PROFESSIONALISM AND LAW IN CIVIL ENGINEERING	3	EG	2401A	Engineering Professionalism	2	Approved
1	APSC	450	Professional Engineering Practice	2	EG	2401A	Engineering Professionalism	2	Approved
1	FNH_V	330	Introduction to Wine Science I	3	EX	1005	Exchange UEM (CEE)	4	Approved
1	PSYC_V	300	Abnormal Psychology	3	PL	4219	Advanced Abnormal Psychology	4	Rejected
1	PSYC_V	300	Abnormal Psychology	3	EX	1006	Exchange UEM (CEE)	4	Rejected
1	PSYC_V	300	Abnormal Psychology	3	PL	3106	Mental Health and Distress	4	Rejected
1	PSYC	300A	Abnormal Psychology	3	PL	3106	Mental Health and Distress	4	Approved

The Uni of Texas at Austin_Sem 1

Mapping Seq Nbr	PU Course Subject	PU Course Nbr	PU Course Title	PU Course Units	NUS Subject Area	NUS Catalog Nbr	NUS Course Title	NUS Course Unit	Mapping Status
1	CE	369L	Air Pollution Engineering & Control	3	ESE	3201	Air Quality in Changing Envrn	4	Approved
1	CE	342	WATER AND WASTEWATER TREATMENT ENGINEERING	3	ESE	3401	Sustainable Urban Water Techno	4	Approved
1	CHE	319	TRANSPORT PHENOMENA	3	ESE	4616	Exchange Technical Elective 1	4	Approved
1	FIN	320F	Foundations Of Finance	3	FIN	2704X	Finance	4	Approved
1	BAX	358	Optimization Methods And Decision Making	3	DBA	3803	Predictive Analytics in Busine	4	Approved
1	BAX	357	Predictive Analytics and Data Mining	3	DBA	3803	Predictive Analytics in Busine	4	Approved

The Uni of Western Australia_Sem 1

Mapping Seq Nbr	PU Course Subject	PU Course Nbr	PU Course Title	PU Course Units	NUS Subject Area	NUS Catalog Nbr	NUS Course Title	NUS Course Unit	Mapping Status
1	CIVL	3403	Structural Concrete Design	6	CE	3165	Concrete Design for Urban Infr	4	Approved
2	CIVL	3403	Structural Concrete Design	6	EX	2046	Exchange UEM (CEE)	2	Approved
1	CIVL	4430	Transportation and Pavement Engineering	6	CE	3121	Urban Transportation Engineeri	4	Approved
2	CIVL	4430	Transportation and Pavement Engineering	6	EX	2047	Exchange UEM (CEE)	2	Approved
1	GENG	5502	Environmental Geotechnics	6	CE	3961	Exchange Unrestricted Elective	4	Rejected
2	GENG	5502	Environmental Geotechnics	6	CE	4981	Exchange Technical Elective	4	Rejected
3	GENG	5502	Environmental Geotechnics	6	CE	3116	Foundation Engineering	4	Rejected
1	GENG	1010	Introduction to Engineering	6	EG	2401A	Engineering Professionalism	2	Rejected
1	MATH	3203	Advanced Mathematics Applications	6	CE	3961	Exchange Unrestricted Elective	4	Rejected
1	MATH	3023	Advanced Mathematics Applications	6	CE	3961	Exchange Unrestricted Elective	4	Rejected
1	FINA	5521	Quantitative Methods in Finance	6	QF	1100	Introduction to Quantitative F	4	Rejected
1	STAT	2062	Fundamentals of Probability with Applications	6	ST	2131	Probability	4	Approved
1	GENG	5502	Environmental Geotechnics	6	CE	4981	Exchange Technical Elective	4	Approved
1	FINA	1221	Introduction to Finance	6	QF	1100	Introduction to Quantitative F	4	Approved
1	FINA	2204	Derivative Products and Markets	6	FIN	3712	Options and Futures	4	Approved

Tongji University_Sem 2

Mapping Seq Nbr	PU Course Subject	PU Course Nbr	PU Course Title	PU Course Units	NUS Subject Area	NUS Catalog Nbr	NUS Course Title	NUS Course Unit	Mapping Status
1	NA	50356	Physical and Chemical Treatment of Water and Wastewater	3	ESE	3401	Sustainable Urban Water Techno	4	Approved
1	NA	50290	Air pollution control engineering	3	ESE	3201	Air Quality in Changing Envrn	4	Approved
1	NA	50134	Environmental monitoring	2	ESE	4408	Environmental Impact Assessmen	4	Rejected
1	NA	50293	Planning and management of urban water resources	2	ESE	4405	Urban Water Eng & Mgt	4	Approved

University of Bologna_Sem 2

Mapping Seq Nbr	PU Course Subject	PU Course Nbr	PU Course Title	PU Course Units	NUS Subject Area	NUS Catalog Nbr	NUS Course Title	NUS Course Unit	Mapping Status
1	ICAR/09	72756	Advanced Design Of Structures	9	CE	3165	Concrete Design for Urban Infr	4	Approved
1	ICAR/02	72757	Advanced Hydrosystems Engineering	9	CE	3132	Hydrology and Free Surface Flo	4	Rejected
1	ICAR/05	35398	Sustainable Transportation Engineering M	6	CE	3121	Urban Transportation Engineeri	4	Rejected
1	ICAR/07	92874	DESIGN OF FOUNDATIONS AND RETAINING STRUCTURES	6	CE	3116	Foundation Engineering	4	Approved
1	ICAR/09	72789	Structural Strengthening & Rehabilitation	6	CE	3166	Structural Steel Design & Syst	4	Rejected
1	ICAR/12	77818	Fundamentals of Performance Design M	9	PF	3210	Total Building Performance	4	Approved
1	-	83693	Introduction to Italian Culture (2)	6	EX	2007	Exchange UEM (CEE)	4	Approved
1	ICAR/01	33930	Aerodynamics M	6	ME	4231	Aerodynamics	4	Approved
1	ICAR/18	75455	History of Italian/European Architecture M	6	EX	2004	Exchange UEM	4	Approved
1	INGIND35	78456	Economics And Management of Energy Utilities M	6	PF	3504	Sustainable Energy Management	4	Approved
1	FIS/07	99513	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING FOR CLIMATE SCIENCE	6	EX	3004	Exchange Technical Elective	4	Approved
1	ICAR/02	95709	CLIMATE CHANGE ADAPTATION	6	EX	3001	Exchange Technical Elective	4	Approved
1	ICAR/02	72757	Advanced Hydrosystems Engineering	9	CE	3132	Hydrology and Free Surface Flo	4	Approved
2	AGR/08	96962	Environmental Hydraulics and Hydrology	6	CE	3132	Hydrology and Free Surface Flo	4	Approved
1	ICAR/09	B4965	STRUCTURAL ENGINEERING AND DESIGN	10	CE	3166	Structural Steel Design & Syst	4	Rejected
1	ICAR/12	95857	BUILDING DESIGN FOR CLIMATE CHANGE	6	PF	4502	Green Development	4	Approved
1	ICAR/02	95709	Climate Change Adaptation	6	PF	4502	Green Development	4	Approved
1	ICAR/09	72748	Sustainability in Construction	6	PF	4502	Green Development	4	Rejected

Tsinghua University_Sem 1

Mapping Seq Nbr	PU Course Subject	PU Course Nbr	PU Course Title	PU Course Units	NUS Subject Area	NUS Catalog Nbr	NUS Course Title	NUS Course Unit	Mapping Status
1	PU	30030113	Steel Structure(1)	3	CE	3166	Structural Steel Design & Syst	4	Rejected
1	PU	30030392	Introduction to Traffic Engineering	2	EX	3896	Exchange Technical Elective (C	3	Approved
1	PU	40031193	Experimental Mechanics	3	EX	3897	Exchange Technical Elective (C	4	Approved
1	PU	40030942	Traffic Analysis and Design	2	CE	3121	Urban Transportation Engineeri	4	Approved

Uni of California_Sem 1

Mapping Seq Nbr	PU Course Subject	PU Course Nbr	PU Course Title	PU Course Units	NUS Subject Area	NUS Catalog Nbr	NUS Course Title	NUS Course Unit	Mapping Status
1	ENGRCEE	121	Transportation Systems I: Analysis and Design	4	CE	3121	Urban Transportation Engineeri	4	Approved
2	ENGRCEE	121	Transportation Systems I: Analysis and Design	4	EX	2047	Exchange UEM (CEE)	2	Approved
1	UPPP	108	Cities and Transportation	4	EC	3381	Urban Economics	4	Pending Approval
1	ENGRCEE	155	Structural Steel Design	4	CE	3166	Structural Steel Design & Syst	4	Approved
2	ENGRCEE	155	Structural Steel Design	4	EX	2017	Exchange UEM (CEE)	3	Approved
1	PHILOS	2	Puzzles and Paradoxes	4	PH	3246	Paradoxes	4	Pending Approval
1	UPPP	108	Cities and Transportation	4	EX	3897	Exchange Technical Elective (C	4	Approved
1	PHIL	2	Puzzles and Paradoxes	4	EX	1007	Exchange UEM (CEE)	4	Approved
1	UPPP	5	Introduction to Planning & Policy	4	EX	1006	Exchange UEM (CEE)	4	Approved

University of California_Sem 2

Mapping Seq Nbr	PU Course Subject	PU Course Nbr	PU Course Title	PU Course Units	NUS Subject Area	NUS Catalog Nbr	NUS Course Title	NUS Course Unit	Mapping Status
1	CIV ENG	175	Geotechnical and Geoenvironmental Engineering	3	CE	3981	Exchange Technical Elective	4	Approved
1	CIV ENG	203N	Surface Water Hydrology	3	CE	3132	Hydrology and Free Surface Flo	4	Rejected
1	CIV ENG	252	Systems Analysis in Transportation	3	EX	3897	Exchange Technical Elective (C	4	Approved
1	CIV ENG	250	Transportation Policy and Planning	3	CE	3121	Urban Transportation Engineeri	4	Rejected
1	CIV ENG	123	Design of Reinforced Concrete Structures	3	CE	3165	Concrete Design for Urban Infr	4	Approved
1	ENGIN	125	Ethics, Engineering, and Society	3	EG	2401A	Engineering Professionalism	2	Approved
1	HISTORY	20	Introduction to the History of Religion	4	GEC	1013	World Religions	4	Approved
1	HISTORY	190	Soccer: A Global History	4	GEC	1029	Worlds of Football	4	Approved
1	POLECON	C45	Survey of World History	4	GEC	1037	Big Picture History	4	Approved
1	CIV ENG	175	Geotechnical and Geoenvironmental Engineering	3	CE	3116	Foundation Engineering	4	Rejected
1	ENGIN	157AC	Engineering, The Environment, and Society	4	EG	2401A	Engineering Professionalism	2	Rejected
1	CIV ENG	277	Advanced Foundation Engineering	3	CE	3116	Foundation Engineering	4	Approved
1	LS	C70Y	Earthquakes in Your Backyard	3	CE	3981	Exchange Technical Elective	4	Approved

Uni Illinois, Urbana-Champaign_Sem 1

Mapping Seq Nbr	PU Course Subject	PU Course Nbr	PU Course Title	PU Course Units	NUS Subject Area	NUS Catalog Nbr	NUS Course Title	NUS Course Unit	Mapping Status
1	CEE	461	Reinforced Concrete I	3	CE	3165	Concrete Design for Urban Infr	4	Approved
1	CEE	460	Steel Structures I	3	CE	3166	Structural Steel Design & Syst	4	Approved
1	CEE	310	Transportation Engineering	3	CE	3121	Urban Transportation Engineeri	4	Approved
1	ECE	316	Ethics and Engineering	3	EG	2401A	Engineering Professionalism	2	Approved
1	CEE	350	Water Resources Engineering	3	CE	3132	Hydrology and Free Surface Flo	4	Approved
1	CEE	330	Environmental Engineering	3	ESE	3001	Water Quality Engineering	4	Rejected
1	CEE	330	Environmental Engineering	3	EX	1005	Exchange UEM (CEE)	4	Approved
1	ASTR	100	Introduction to Astronomy	3	EX	1006	Exchange UEM (CEE)	4	Approved
1	ANTH	246	Forensic Science	4	EX	2008	Exchange UEM (CEE)	4	Approved
1	REL	287	Introduction to Buddhism	3	HY	2265	Buddhism in World History	4	Approved
1	FSHN	193	Edible Entrepreneurialism - Feeding Ideas for the Future	3	EX	1007	Exchange UEM (CEE)	4	Approved
1	CEE	320	Construction Engineering	3	EX	2007	Exchange UEM (CEE)	4	Approved
1	CEE	407	Airport Design	3	EX	3897	Exchange Technical Elective (C	4	Approved
1	ENG	398	Grainger Engineering Design Your Experience	2	EX	1016	Exchange UEM (CEE)	2	Approved
1	ANTH	101	Introduction to Anthropology	3	EX	2009	Exchange UEM (CEE)	4	Rejected
1	ANTH	101	Introduction to Anthropology	3	AN	1101E	Anthropology & Human Condition	4	Approved
1	CS	173	Discrete Structures	3	CS	1231	Discrete Structures	4	Approved
1	GGIS	204	Cities of the World	3	EX	1000	Exchange UEM	4	Approved
1	HK	104	Skating Activities	1	EX	1030	Exchange UEM	1	Rejected

University of Oulu_Sem 1

Mapping Seq Nbr	PU Course Subject	PU Course Nbr	PU Course Title	PU Course Units	NUS Subject Area	NUS Catalog Nbr	NUS Course Title	NUS Course Unit	Mapping Status
1	488	110S	Water and Wastewater Treatment	5	ESE	3401	Sustainable Urban Water Techno	4	Approved
1	488	209S	Renewable Energy	5	ESE	4406	Energy Systems and Climate Cha	4	Approved
1	488	507S	Energy Systems Engineering	5	PF	3504	Sustainable Energy Management	4	Approved
1	488	143S	Environmental Impact Assessment	5	ESE	4408	Environmental Impact Assessmen	4	Approved
1	900	017Y	Survival Finnish	2	LAX	1741	Department Exchange Course	4	Remapping Required
1	488	504S	Fundamentals of Nuclear Energy	5	ESE	4616	Exchange Technical Elective 1	4	Approved
1	488	501S	Smart Grid I: Integrating Renewable Energy Sources	5	ESE	4617	Exchange Technical Elective 2	4	Approved
1	477	123S	Chemical Processing of Biomasses	5	ESE	4618	Exchange Technical Elective 3	4	Approved
1	477	309S	Process and Environmental Catalysis	5	EX	3897	Exchange Technical Elective (C	4	Approved
1	488	321S	Bioreactor Technology	5	ESE	4616	Exchange Technical Elective 1	4	Approved
1	477	506S	Modelling and Control of Biotechnical Processes	5	ESE	4616	Exchange Technical Elective 1	4	Approved
1	477	207S	Industrial Water and Wastewater Technologies	5	ESE	3401	Sustainable Urban Water Techno	4	Approved
1	493	603S	Recycling and Treatment of Process Rejects	5	ESE	4618	Exchange Technical Elective 3	4	Approved
1	488	213A	Sources and control of air pollution	5	ESE	3201	Air Quality in Changing Envrn	4	Approved
1	31	025A	Fundamentals of optimization	5	DSA	3102	Essential Data Analytics Tools	4	Approved
1	721	138S	Fundamentals of Accounting	6	ACC	1701X	Accounting for Decision Makers	4	Approved
1	31	025A	Introduction to Optimization	5	DSA	3102	Essential Data Analytics Tools	4	Approved

University of Toronto_Sem 1

Mapping Seq Nbr	PU Course Subject	PU Course Nbr	PU Course Title	PU Course Units	NUS Subject Area	NUS Catalog Nbr	NUS Course Title	NUS Course Unit	Mapping Status
1	CIV	331H1	Transport I - Introduction to Urban Transportation Systems	0.5	CE	3121	Urban Transportation Engineeri	4	Approved
1	CIV	416H1	Reinforced Concrete II	0.5	CE	3165	Concrete Design for Urban Infr	4	Approved
1	CIV	312H1	Steel and Timber Design	0.5	CE	3166	Structural Steel Design & Syst	4	Rejected
1	CME	321H1	Geotechnical Engineering 1	0.5	CE	3116	Foundation Engineering	4	Rejected
1	CME	368H1	Engineering Economics and Decision Making	0.5	CE	3981	Exchange Technical Elective	4	Approved
1	CIV	375H1	Building Science	0.5	CE	3982	Exchange Technical Elective	4	Approved
1	CIV	342H1	Water and Wastewater Treatment Processes	0.5	ESE	3401	Sustainable Urban Water Techno	4	Approved
1	AMS	200H1	Introduction to American Studies	0.5	EX	1000	Exchange UEM	4	Approved
1	MUS	240H1	Heavy Music	0.5	EX	1001	Exchange UEM	4	Approved
1	PHY	100H1	The Magic of Physics	0.5	EX	1005	Exchange UEM (CEE)	4	Approved
1	CIV	536H1	Urban Activity, Air Pollution, and Health	0.5	ESE	3201	Air Quality in Changing Envrn	4	Approved
1	CHE	467H1	Environmental Engineering	0.5	EX	4008	Exchange Technical Elective (C	4	Rejected
1	CIV	220H1	Urban Engineering Ecology	0.5	EX	4009	Exchange Technical Elective (C	4	Approved
1	MIE	242H1	Foundations of Cognitive Psychology	0.5	EX	1000	Exchange UEM	4	Approved
1	CIV	300H1	Terrestrial Energy Systems	0.5	EX	4008	Exchange Technical Elective (C	4	Approved
1	CHM	210H1	Chemistry of Environmental Change	0.5	EX	4007	Exchange Technical Elective (C	4	Rejected
1	CIV	440H1	Environmental Impact and Risk Assessment	0.5	ESE	4408	Environmental Impact Assessmen	4	Approved
1	BMS	100H1	Introduction to Book & Media Studies	0.5	EX	1001	Exchange UEM	4	Rejected
1	CRE	235H1	Innovation in Society	0.5	EX	1002	Exchange UEM	4	Approved
1	CRI	205H1	Introduction to Criminology	0.5	EX	1003	Exchange UEM	4	Approved
1	ENV	222H1	Pathways to Sustainability: An Interdisciplinary Approach	0.5	EX	3897	Exchange Technical Elective (C	4	Approved
1	GGR	107H1	Environment, Food and People	0.5	EX	1004	Exchange UEM	4	Approved