

Arizona State_Sem2

AY1920 Sem 2

Mapping Seq Nbr	PU Module Subject	PU Module Course Nbr	PU Module Title	PU Module Units	NUS Subject Area	NUS Catalog Nbr	NUS Module Title	NUS Module MC	Mapping Status
1	MAT	243	Discrete Structures	3	CS	1231	Discrete Structures	4	Approved
1	CEE	372	Transportation Engineering	3	CE	3121	Transportation Engineering	4	Approved
1	ABS	394	Topic: Food and Human Health	3	EX	2007	Exchange UEM (CEE)	4	Approved
1	CEE	420	Steel Structures	3	CE	3166	Structural Steel Design & Syst	4	Approved
1	CVE	421	Concrete Structures	3	CE	3165	Structural Concrete Design	4	Approved
1	CVE	452	Foundations	3	CE	3116	Foundation Engineering	4	Approved
1	CEE	462	Unit Operations in Environmental Engineering	3	CE	3981	Exchange Technical Elective	4	Rejected
1	SWU	250	Stress Management Tools	3	EX	2012	Exchange UEM	4	Rejected
1	ASB	252	Sports and Culture	3	EX	2012	Exchange UEM	4	Rejected
1	CEE	462	Unit Operations Environmental Engineering	3	EX	3004	Exchange Technical Elective	4	Rejected
1	CEE	494	Topic: Energy Efficient Buildings and Systems	3	EX	4003	Exchange Technical Elective (C	4	Approved

CEE462 overlaps with ESE3001.

map as Level 1000 UEM

map as Level 1000 UEM

CEE462 overlaps with ESE3001.

Chalmers Uni of Tech_Sem1 AY1920 Sem 1

Mapping Seq Nbr	PU Module Subject	PU Module Course Nbr	PU Module Title	PU Module Units	NUS Subject Area	NUS Catalog Nbr	NUS Module Title	NUS Module MC	Mapping Status
1	VGE	22	Engineering Geology	7.5	CE	3116	Foundation Engineering	4	Approved
1	ACE	45	Geological and geotechnical site characterisation	7.5	CE	4981	Exchange Technical Elective	4	Approved
1	VBB	48	Concrete Structures	7.5	CE	3165	Structural Concrete Design	4	Approved
1	ACE	50	Transportation engineering and traffic analysis	7.5	CE	3121	Transportation Engineering	4	Approved
1	ACE	55	Advanced Transportation Engineering	7.5	CE	3121	Transportation Engineering	4	Rejected
1	VMT	60	Road Engineering	7.5	CE	5204	Pavement Design & Rehab	4	Approved
1	BOM	65	Materials performance	7.5	CE	4981	Exchange Technical Elective	4	Approved
1	ACE	95	Infrastructure and urban systems	7.5	CE	4982	Exchange Technical Elective	4	Approved
1	ENM	130	Managing stakeholders for sustainable development	7.5	CE	4981	Exchange Technical Elective	4	Approved
1	ACE	150	Soil Modelling and Numerical Analysis	7.5	CE	5105	Analytical & Numerical Methods	4	Approved
1	VSM	167	Finite Element Method - Basics	7.5	CE	4257	Linear Finite Element Analysis	4	Approved
1	BOM	170	Structural Design	7.5	CE	3101	Integrated Infrastructure Proj	4	Rejected
1	VSM	191	Steel Structures	7.5	CE	3166	Structural Steel Design & Syst	4	Approved

Can mapped to CE3121.
can map to dummy L4 TE

CE3101 is on planning of infrastructure.
This module is a crossed between Architecture (more) and CE. (It is somewhat similar to AR2102 & AR2327 where you can try mapping to and use it to fulfil UEM.)

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Mapping Seq Nbr	PU Module Subject	PU Module Course Nbr	PU Module Title	PU Module Units	NUS Subject Area	NUS Catalog Nbr	NUS Module Title	NUS Module MC	Mapping Status
1	TEK	226	Technology and Society	7.5	EX	3104	Exchange UEM (CEE)	4	Approved
1	TEK	226	Technology and society	7.5	CE	4981	Exchange Technical Elective	4	Rejected
1	BOM	250	Life cycle engineering	7.5	CE	4982	Exchange Technical Elective	4	Approved
1	TEK	430	Change Management and Improvement Processes	7.5	EX	3103	Exchange UEM (CEE)	4	Approved
1	TEK	465	Sustainable Transportation	7.5	CE	4981	Exchange Technical Elective	4	Approved

More like a GE modules
hence can only be mapped
to UEM

Concordia_Sem2

AY1920 Sem 2

<u>Mapping Seq Nbr</u>	<u>PU Module Subject</u>	<u>PU Module Course Nbr</u>	<u>PU Module Title</u>	<u>PU Module Units</u>	<u>NUS Subject Area</u>	<u>NUS Catalog Nbr</u>	<u>NUS Module Title</u>	<u>NUS Module MC</u>	<u>Mapping Status</u>
1	BCEE	344	Structural Design I	3	CE	3166	Structural Steel Design & Syst	4	Approved
1	BCEE	345	Structural Design II	3	CE	3165	Structural Concrete Design	4	Approved
1	CIVI	435	Foundation Design	3	CE	3116	Foundation Engineering	4	Approved
1	CIVI	372	Transportation Engineering	3	CE	3121	Transportation Engineering	4	Approved
1	CIVI	437	Advanced Geotechnical Engineering	3	CE	5108	Earth Retaining Structures	4	Approved
1	PHYS	204	Mechanics	3	PC	1431	Physics IE	4	Approved
1	BLDG	492	Construction Processes	3	CE	5805	DfMA & Productivity Analytics	4	Approved
1	BLDG	465	Fire and Smoke Control in Buildings	3	CE	4982	Exchange Technical Elective	4	Approved
1	ECON	201	Introduction to Microeconomics	3	BSP	1005	Managerial Economics	4	Approved
1	BLDG	366	Acoustics and Lighting	3	CE	3981	Exchange Technical Elective	4	Approved

Cracow Uni of Tech_Sem2

AY1920 Sem 2

Mapping Seq Nbr	PU Module Subject	PU Module Course Nbr	PU Module Title	PU Module Units	NUS Subject Area	NUS Catalog Nbr	NUS Module Title	NUS Module MC	Mapping Status
2	C	23	Masonry Structures	2	CE	3166	Structural Steel Design & Syst	4	Approved
2	C	26	Architectue and Urban Design	2	EX	2008	Exchange UEM (CEE)	4	Approved
1	C	29	Concrete Structures	3	CE	3165	Structural Concrete Design	4	Approved
2	C	30	Prestressed and Precast Concrete Structure	2	CE	3165	Structural Concrete Design	4	Approved
1	C	31	Metal Structures	4	CE	3166	Structural Steel Design & Syst	4	Approved
1	C	32	Bridge Structures	4	EX	2007	Exchange UEM (CEE)	4	Approved
1	C	33	Building Installations and Municipal Systems	3	EX	2008	Exchange UEM (CEE)	4	Approved
2	D	47	Fire Safety Measures in Civil Engineering	2	EX	2007	Exchange UEM (CEE)	4	Approved

KTH_Sem1&2

AY1920 Sem 1

Mapping Seq Nbr	PU Module Subject	PU Module Course Nbr	PU Module Title	PU Module Units	NUS Subject Area	NUS Catalog Nbr	NUS Module Title	NUS Module MC	Mapping Status
1	AE	2401	Engineering Geology	7.5	CE	3981	Exchange Technical Elective	4	Approved
1	AE	2401	Engineering Geology	7.5	CE	4981	Exchange Technical Elective	4	Rejected
1	AE	2302	Water Treatment Processes and Technology	7.5	ESE	3001	Water Quality Engineering	4	Approved
1	AF	2003	Structural Engineering, Advanced Course	7.5	CE	4981	Exchange Technical Elective	4	Rejected
1	AF	2101	Concrete Structures	7.5	CE	3165	Structural Concrete Design	4	Approved
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	2507	Sustainable Buildings - Concept, Design, Construction	7.5	CE	4981	Exchange Technical Elective	4	Approved
1	AF	2508	Building Service Technologies and Systems	7.5	CE	4982	Exchange Technical Elective	4	Rejected
1	AF	2609	Foundation Engineering	7.5	CE	3116	Foundation Engineering	4	Approved
1	AF	2610	Tunnel Engineering	7.5	CE	5104	Underground Space	4	Approved
1	AF	2611	Geotechnical Engineering, Advanced Course	7.5	CE	4981	Exchange Technical Elective	4	Approved
1	AF	2901	Road- and Railway Track Engineering	7.5	CE	4981	Exchange Technical Elective	4	Approved
1	AF	2101	Concrete Structures	7.5	CE	3165	Structural Concrete Design	4	Approved
1	AF	2507	Sustainable Buildings - Concept, Design, Construction	7.5	CE	4981	Exchange Technical Elective	4	Approved
1	AF	2508	Building Service Technologies and Systems	7.5	CE	4982	Exchange Technical Elective	4	Rejected

approved as level-3000 TE

Similar to CE3155

More on SDE's side kind of module and not too much into CE hence not suited to be CE TE. Can be mapped to an UEM.

More on SDE's side kind of module and not too much into CE hence not suited to be CE TE. Can be mapped to an UEM.

KTH_Sem1&2

AY1920 Sem 1

Mapping Seq Nbr	PU Module Subject	PU Module Course Nbr	PU Module Title	PU Module Units	NUS Subject Area	NUS Catalog Nbr	NUS Module Title	NUS Module MC	Mapping Status
1	AF	2609	Foundation Engineering	7.5	CE	3116	Foundation Engineering	4	Approved
1	AF	2610	Tunnel Engineering	7.5	CE	5104	Underground Space	4	Approved
1	AF	2901	Road- and Railway Track Engineering	7.5	CE	4981	Exchange Technical Elective	4	Approved
1	AG	2412	Geovisualisation	7.5	GE	2227	Cartography and Visualisation	4	Approved
1	AH	2171	Traffic Engineering and Management	7.5	CE	3121	Transportation Engineering	4	Approved
1	AI	2106	Business Cycles in Construction and Real Estate Markets	7.5	EC	2102	Macroeconomic Analysis I	4	Rejected
1	AI	2152	Quantitative Methods Applied to Real Estate and Construction Management	7.5	CE	5603	Engineering Economics & Projec	4	Rejected
1	AI	2152	Quantitative Methods Applied to Real Estate and Construction Management	7.5	CE	4981	Exchange Technical Elective	4	Rejected
1	AI	2807	Project for Construction Project Managers	7.5	CE	5806	Advanced Project Management wi	4	Rejected
1	AK	1213	Swedish Society, Culture and Industry in Historical Perspective	7.5	EU	1741	Department Exchange Module	4	Approved
1	AK	1213	Swedish Society, Culture and Industry in Historical Perspective	7.5	EU	2741	Department Exchange Module	4	Approved
1	AK	2011	Technology and Ethics	7.5	EG	2401A	Engineering Professionalism	2	Rejected
2	AK	2011	Technology and Ethics	7.5	EX	3613	Exchange UEM Module	2	Rejected
1	AK	2017	Introduction to Research Ethics	3	EG	2401A	Engineering Professionalism	2	Approved
1	ME	2706	Basic Econometrics	7.5	EC	2303	Foundations for Econometrics	4	Rejected

We do not map EC2102. This is applic

No similarity

This module is of SDE's kind so we can only recognized it as a UEM (EX3890)

Please remap (change) to CE4981. It cannot be mapped to CE5806

We do not map Ec2303. This is applic

KTH_Sem1&2

AY1920 Sem 1

Mapping Seq Nbr	PU Module Subject	PU Module Course Nbr	PU Module Title	PU Module Units	NUS Subject Area	NUS Catalog Nbr	NUS Module Title	NUS Module MC	Mapping Status
1	ME	2710	Applied Econometrics	7.5	EC	2303	Foundations for Econometrics	4	Rejected

We do not map Ec2303. This is applic

Kyushu_Sem2

AY1920 Sem 2

Mapping Seq Nbr	PU Module Subject	PU Module Course Nbr	PU Module Title	PU Module Units	NUS Subject Area	NUS Catalog Nbr	NUS Module Title	NUS Module MC	Mapping Status
1	ENG	19251354	(IUPE)Mech & Desg of Reinforced Concret	2	CE	3165	Structural Concrete Design	4	Rejected
2	ENG	19255152	(IUPE) Construction Materials	2	CE	3165	Structural Concrete Design	4	Rejected
1	ENG	19255154	(IUPE) Coastal Engineering	2	CE	5308	Coastal Processes & Sediment T	4	Rejected
2	ENG	19251352	(IUPE) Fluid Mechanics II	2	CE	5308	Coastal Processes & Sediment T	4	Rejected
1	ENG	18252253	Transportation Planning	2	CE	5205	Transportation Planning	4	Approved
2	GRAD ENG	19263005	Urban Transport Planning	2	CE	5205	Transportation Planning	4	Approved
1	ENG	19255154	Coastal Engineering	2	CE	3961	Exchange Unrestricted Elective	4	Rejected
1	ENG	19253252	Surveying and Mapping	3	CE	4981	Exchange Technical Elective	4	Rejected
1	ENG	19254151	Environmental Geotechnology	2	EX	2007	Exchange UEM (CEE)	4	Approved
1	ENG	19255154	(IUPE) Coastal Engineering	2	EX	2008	Exchange UEM (CEE)	4	Approved
1	ENG	19251354	(IUPE)Mech & Desg of Reinforced Concrete	4	EX	2009	Exchange UEM (CEE)	4	Approved
1	ENG	18251150	Environmental Systems Engineering	2	EX	1007	Exchange UEM (CEE)	4	Approved
1	KED	GES1	Local Production in Kyushu	2	EX	1012	Exchange UEM (CEE)	3	Approved
1	KED-GES	1251E	Sociology of Japanese Social Life Today	2	EX	1013	Exchange UEM (CEE)	3	Approved

look for a more advance PU module

only can map up to 2 MC of CE5:

Approve for CE5308 only

Not to TE because not enough of technical elements in this module.

McGILL_Sem1&2

AY1920 Sem 1

Mapping Seq Nbr	PU Module Subject	PU Module Course Nbr	PU Module Title	PU Module Units	NUS Subject Area	NUS Catalog Nbr	NUS Module Title	NUS Module MC	Mapping Status
1	FACC	100	Introduction to the Engineering Profession	1	EG	2401A	Engineering Professionalism	2	Approved
2	FACC	400	Engineering Professional Practice	1					
1	ARCH	241	Architectural Structures	3	AR	1327	Structural Principles	4	Rejected
1	MECH	289	Design Graphics	3	CE	3982	Exchange Technical Elective	4	Approved
1	FRSL	332	Intermediate French: Grammar	3	LAF	3202	French 4	4	Approved
1	ARCH	377	Energy, Environment and Buildings	3	AR	2723	Strat for Sustainable Archi	4	Approved
1	CIVE	440	Traffic Engineering&Simulation	3	CE	3963	Exchange Unrestricted Elective	4	Approved
1	CIVE	446	Construction Engineering	3	CE	3981	Exchange Technical Elective	4	Approved
1	CIVE	446	Construction Engineering	3	CE	5805	DfMA & Productivity Analytics	4	Approved
1	CIVE	462	Design of Steel Structures	3	CE	3166	Structural Steel Design & Syst	4	Approved
1	CIVE	527	Renov&Preserv:Infrastructure	3	CE	4981	Exchange Technical Elective	4	Approved
1	CIVE	546	Selected Topics in Civil Eng 1	3	CE	3981	Exchange Technical Elective	4	Approved
1	CIVE	560	Transportation Safety and Design	3	CE	4982	Exchange Technical Elective	4	Approved
1	CIVE	572	Computational Hydraulics	3	CE	5307	Wave Hydrodynamics	4	Approved
1	CIVE	573	Hydraulic Structures	3	CE	4981	Exchange Technical Elective	4	Approved
1	CIVE	577	River Engineering	3	CE	5312	River Mechanics	4	Approved

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Mapping Seq Nbr	PU Module Subject	PU Module Course Nbr	PU Module Title	PU Module Units	NUS Subject Area	NUS Catalog Nbr	NUS Module Title	NUS Module MC	Mapping Status
1	CHEM	181	World of Chemistry: Food	3	EX	1001	Exchange UEM	4	Approved
1	CHEM	181	World of Chemistry: Food	3	FST	1991	Exchange Enrichment Level 1000	4	Approved
1	CIVE	319	Transportation Engineering	3	CE	3121	Transportation Engineering	4	Approved
1	CIVE	416	Geotechnical Engineering	3	CE	3116	Foundation Engineering	4	Approved
1	CIVE	451	Geoenvironmental Engineering	3	CE	4981	Exchange Technical Elective	4	Approved
1	CIVE	463	Design of Concrete Structures	3	CE	3165	Structural Concrete Design	4	Approved
1	CIVE	540	Urban Transportation Planning	3	CE	5205	Transportation Planning	4	Approved
1	CIVE	584	Mechanics of Groundwater Flow	3	CE	5313	Groundwater Hydrology	4	Approved
1	ECON	348	Urban Economics	3	RE	2705	Urban Economics	4	Approved
1	FACC	100	Introduction to the Engineering Profession	1	EG	2401A	Engineering Professionalism	2	Approved
2	FAC	400	Engineering Professional Practice	1	EG	2401A	Engineering Professionalism	2	Approved
1	MGCR	211	Introduction to Financial Accounting	3	CE	3961	Exchange Unrestricted Elective	4	Approved
1	MGCR	341	Introduction to Finance	3	FIN	2704X	Finance	4	Approved
1	MGCR	352		3	MKT	1705X	Principles of Marketing	4	Approved
1	PSYC	215	Social Psychology	3	EX	1000	Exchange UEM	4	Approved

Natl Chiao Tung Uni (Taiwan)

AY1920 Sem 1

Mapping Seq Nbr	PU Module Subject	PU Module Course Nbr	PU Module Title	PU Module Units	NUS Subject Area	NUS Catalog Nbr	NUS Module Title	NUS Module MC	Mapping Status
1	DCV	3321	Reinforced Concrete	3	CE	3165	Structural Concrete Design	4	Approved
1	DCV	4558	Foundation Engineering	3	CE	3116	Foundation Engineering	4	Approved
1	DTM	4702	Transportation Engineering	3	CE	3121	Transportation Engineering	4	Rejected
1	DTM	4702	Transportation Engineering	3	CE	3981	Exchange Technical Elective	4	Approved
1	GEC	1008	Chinese Literature-Shin Ching	3	EX	2007	Exchange UEM (CEE)	4	Approved
1	GEC	4001	Introduction to Psychology	2	PL	1101E	Introduction to Psychology	4	Approved
1	DCV	3205	River Disaster Prevention Technology	2	EX	3896	Exchange Technical Elective (C	3	Approved
1	DCP	1204	Introduction to Computers and Programming	3	CS	1010	Programming Methodology	4	Approved
1	UEE	2103	Discrete Mathematics	3	CS	1231	Discrete Structures	4	Approved
1	DTM	1335	Transportation	3	CE	3982	Exchange Technical Elective	4	Approved
1	DCV	3325	Engineering Geology	3	CE	4981	Exchange Technical Elective	4	Approved
1	DTM	4563	Air Transportation	3	CE	4981	Exchange Technical Elective	4	Approved
1	GEC	1026	Taiwanese Literature	2	CH	2741	Department Exchange Module	4	Approved

Can map to Level 3 Dummy.
Only less than 30% similarity to CE3121

Note that students can take only 1 level-3000 TE (4 MCs) to fulfil their TE/Pathway requirements

Mapping Seq Nbr	PU Module Subject	PU Module Course Nbr	PU Module Title	PU Module Units	NUS Subject Area	NUS Catalog Nbr	NUS Module Title	NUS Module MC	Mapping Status
1	CT	3308701	Advanced Structural Steel Design	3	CE	3166	Structural Steel Design & Syst	4	Rejected
1	CT	3403303	Foundation Engineering	3	CE	3116	Foundation Engineering	4	Approved
1	CT	3304301	Reinforced Concrete Design	3	CE	3165	Structural Concrete Design	4	Rejected
1	TC	1011701	Occupational Ethics	1	EG	2401A	Engineering Professionalism	2	Approved
1	CT	350770	Introduction to Wind and Earthquake Engineering	3	CE	3981	Exchange Technical Elective	4	Approved
1	CT	4308303	Project Management	3	CE	3981	Exchange Technical Elective	4	Rejected
1	CT	5304701	Construction Project Risk Management	3	CE	3981	Exchange Technical Elective	4	Rejected
1	CT	6003701	Reliability Analysis of Structures	3	CE	4981	Exchange Technical Elective	4	Approved
1	CT	520770	Structural Dynamics	3	CE	4258	Structural Stability & Dynamic	4	Approved
1	CT	530770	Construction Management	3	CE	5806	Advanced Project Management wi	4	Approved
1	CT	5304701	Construction Project Risk Management	3	CE	4981	Exchange Technical Elective	4	Approved
1	CT	4108701	Matrix Structural Analysis	3	CE	3155	Structural Analysis	4	Approved
1	CT	3308701	Advanced Structural Steel Design	3	CE	3981	Exchange Technical Elective	4	Approved
1	3T	5332701	Railroad Transportation Engineering	3	CE	3981	Exchange Technical Elective	4	Approved

Cannot. Most of the CE3166 syllabus is missing. Can map to TE/PDM.

This module is similar to CE2183

Remap to CE4981

Remap to CE5702

<u>Mapping Seq Nbr</u>	<u>PU Module Subject</u>	<u>PU Module Course Nbr</u>	<u>PU Module Title</u>	<u>PU Module Units</u>	<u>NUS Subject Area</u>	<u>NUS Catalog Nbr</u>	<u>NUS Module Title</u>	<u>NUS Module MC</u>	<u>Mapping Status</u>
1	TC	1011701	Occupational Ethics	3	EG	2401A	Engineering Professionalism	2	Approved
1	CT	5608701	Advanced Foundation Engineering	3	CE	3116	Foundation Engineering	4	Approved
1	CT	4507701	Pavement Engineering	3	CE	3121	Transportation Engineering	4	Approved
1	CT	3305701	Advanced Reinforced Concrete Design	3	CE	3165	Structural Concrete Design	4	Approved
1	TM	6370701	Technology Management and Case Analysis	3	IS	1103	IS Innovations in Organisation	4	Approved
1	CT	5202702	Finite Element Method	3	CE	4257	Linear Finite Element Analysis	4	Approved
1	CT	6201701	Principles & Practice of High-Performance Concrete	3	CE	5604	Advanced Concrete Technology	4	Approved
1	CT	4901701	Geometric Design of Road	3	CE	3121	Transportation Engineering	4	Approved
1	CT	5907701	Pavement Engineering	3	CE	5204	Pavement Design & Rehab	4	Approved
1	CT	5505701	Soil Dynamics	3	CE	5881	Topics in Geotechnical Engrg	4	Approved
1	TM	6140701	Managerial Applications of Social Network Analysis	3	SC	3701	Sociology Exchange Module	4	Approved
1	CT	3305702	Advanced Reinforced Concrete Design	3	CE	3165	Structural Concrete Design	4	Rejected
1	TM	6301701	International Business and Innovation Development	3	EX	4883	Exchange UEM 4	4	Approved
1	FE	1851701	Discussion on International Affairs in English	2	EX	2017	Exchange UEM (CEE)	3	Approved
1	FE	1073701	Basic Chinese News (II)	3	EX	1005	Exchange UEM (CEE)	4	Approved
1	CT	4801701	Civil Engineering Construction (2)	3	CE	3981	Exchange Technical Elective	4	Approved

Norwegian Uni of Sc & Tech_Sem2

AY1920 Sem 2

Mapping Seq Nbr	PU Module Subject	PU Module Course Nbr	PU Module Title	PU Module Units	NUS Subject Area	NUS Catalog Nbr	NUS Module Title	NUS Module MC	Mapping Status
1	TEP	4250	Multiphase Transport	7.5	CE	3132	Water Resources Engineering	4	Rejected
1	BI	2060	Marine Ecology	7.5	EX	2050	Exchange UEM	5	Approved
1	TVM	4171	Wastewater Treatment	7.5	ESE	4301	Wastewater Biotechnology	4	Rejected
1	FY	2290	Energy resources	7.5	ESE	4404	Bioenergy	4	Rejected
1	TBT	4130	Environmental Biotechnology	7.5	ESE	3401	Sustainable Urban Water Techno	4	Rejected
1	FY	2290	Energy resources	7.5	ESE	4406	Energy and the Environment	4	Approved
1	TEP	4250	Multiphase Transport	7.5	ESE	4616	Exchange Technical Elective 1	4	Approved
1	TKP	4180	Biofuels and Biorefineries	7.5	ESE	4404	Bioenergy	4	Approved
1	TEP	4220	Understanding and Quantifying Environmental Impacts on Ecosystems	7.5	ESE	4408	Environmental Impact Assessmen	4	Approved
1	TBI	4110	Ecotoxicology and Environmental Resources	7.5	ESE	3201	Air Quality Management	4	Rejected

Not a hydraulic kind of module but a offshore petroleum. Can be a dummy TE.

Remap to ESE4406. No significant overlap

Cannot be mapped to ESE3401.

little overlap

Oulu Uni (Finland)_Sem 1&2

AY1920 Sem 1

Mapping Seq Nbr	PU Module Subject	PU Module Course Nbr	PU Module Title	PU Module Units	NUS Subject Area	NUS Catalog Nbr	NUS Module Title	NUS Module MC	Mapping Status
1	477	123S	Chemical processing of biomasses	5	ESE	4617	Exchange Technical Elective 2	4	Approved
1	477	128S	Circular Bioeconomy	5	ESE	4612	Exchange Unrestricted Elective	4	Approved
1	477	306S	Non-ideal Reactors	5	ESE	4616	Exchange Technical Elective 1	4	Approved
1	477	309S	Process and Environmental Catalysis	5	ESE	4617	Exchange Technical Elective 2	4	Approved
1	477	506S	Modelling and Control of Biotechnical Processes	5	ESE	4618	Exchange Technical Elective 3	4	Approved
1	488	110S	Water and Wastewater Treatment	5	ESE	3401	Sustainable Urban Water Techno	4	Approved
1	488	136S	Integrated water resources management	5	ESE	4405	Urban Water Eng & Mgt	4	Approved
1	488	202S	Production and Use of Energy	5	ESE	4406	Energy and the Environment	4	Approved
1	488	203S	Industrial Ecology	5	ESE	4618	Exchange Technical Elective 3	4	Approved
1	488	204S	Air Pollution Control Engineering	5	ESE	3201	Air Quality Management	4	Approved
1	488	209S	Renewable Energy	5	ESE	4406	Energy and the Environment	4	Approved
1	488	214S	Air Pollution Control Engineering - Practical Solutions	5	ESE	3201	Air Quality Management	4	Approved
1	488	311S	Industrial Microbiology	5	ESE	4618	Exchange Technical Elective 3	4	Approved
1	488	321S	Bioreactor technology	5	ESE	4618	Exchange Technical Elective 3	4	Approved
1	488	402S	Sustainable Development	5	ESE	4612	Exchange Unrestricted Elective	4	Approved
1	488	501S	Smart Grid I: Integrating renewable energy sources	5	ESE	4617	Exchange Technical Elective 2	4	Approved
1	488	504S	Fundamentals of nuclear energy	5	ESE	4616	Exchange Technical Elective 1	4	Approved

Oulu Uni (Finland)_Sem 1&2

AY1920 Sem2

Mapping Seq Nbr	PU Module Subject	PU Module Course Nbr	PU Module Title	PU Module Units	NUS Subject Area	NUS Catalog Nbr	NUS Module Title	NUS Module MC	Mapping Status
1	477	713S	Automation in Mineral Processing	5	EX	4006	Exchange Technical Elective (C	4	Approved
1	477	128S	Circular Bioeconomy	5	ESE	4612	Exchange Unrestricted Elective	4	Approved
1	488	140S	Groundwater modelling and management	5	EX	4003	Exchange Technical Elective (C	4	Rejected
1	488	209S	Renewable Energy	5	EX	4007	Exchange Technical Elective (C	4	Approved
1	488	502S	Smart Grid II: Smart buildings/smart customers in the smart grid	5	EX	4008	Exchange Technical Elective (C	4	Approved
1	488	503S	Smart Grid III: Smart energy networks	5	EX	4009	Exchange Technical Elective (C	4	Approved
1	488	506S	Sustainable Urban Energy	5	EX	4001	Exchange Technical Elective	4	Approved
1	488	052A	Introduction to Bioproduct and Bioprocess engineering	5	ESE	4404	Bioenergy	4	Approved
1	724	813P	Entrepreneurship in Action	5	MT	5920	Enterprise Development	4	Approved
1	488	402S	Sustainable Development	5	EX	4008	Exchange Technical Elective (C	4	Approved
1	724	812P	Building Change Through Entrepreneurship	5	EX	2007	Exchange UEM (CEE)	4	Approved

remap to
CE5101

PennState_Sem2

AY1920 Sem 2

Mapping Seq Nbr	PU Module Subject	PU Module Course Nbr	PU Module Title	PU Module Units	NUS Subject Area	NUS Catalog Nbr	NUS Module Title	NUS Module MC	Mapping Status
1	CE	435	Foundation Engineering	3	CE	3116	Foundation Engineering	4	Approved
1	CE	321	Highway Engineering	3	CE	3121	Transportation Engineering	4	Approved
1	CE	422	Transportation Planning	3	CE	5205	Transportation Planning	4	Approved
1	CE	462	Open Channel Hydraulics	3	CE	5312	River Mechanics	4	Approved
1	CE	341	Design of Concrete Structures	3	CE	3165	Structural Concrete Design	4	Approved
1	CE	342	Design of Steel Structures	3	CE	3166	Structural Steel Design & Syst	4	Approved
1	CE	476	Solid and Hazardous Wastes	3	ESE	3101	Solid And Hazardous Waste Mgmt	4	Approved
1	CE	336	Materials Science for Civil Engineers	3	CE	3961	Exchange Unrestricted Elective	4	Approved
1	SOC	5	Social Problems	3	SC	2204	Soc Inequalits:Who Gets Ahead?	4	Approved
1	SOC	30	Sociology of the Family	3	SC	2205	Sociology of Family	4	Approved
1	SOC	461	Sociology of Religion	3	SC	2227	Sociology of Religion	4	Approved
1	SOC	12	Criminology	3	SC	2212	Sociology of Deviance	4	Approved

Tech Uni of Denmark_EVE_Sem 1

AY1920 Sem 1

Mapping Seq Nbr	PU Module Subject	PU Module Course Nbr	PU Module Title	PU Module Units	NUS Subject Area	NUS Catalog Nbr	NUS Module Title	NUS Module MC	Mapping Status
1	10	333	Physics of Sustainable Energy	5	ESE	4613	Exchange Unrestricted Elec 5	4	Approved
1	12	109	Physico-Chemical Water Treatment Technologies	5	ESE	3401	Sustainable Urban Water Techno	4	Approved
1	12	136	Bioenergy Technologies	10	ESE	4404	Bioenergy	4	Approved
1	12	139	Resource Engineering	5	EX	3897	Exchange Technical Elective (C	4	Approved
1	12	140	Integrated Urban Water Quality Management	5	ESE	4405	Urban Water Eng & Mgt	4	Approved
1	12	228	Urban air pollution	5	ESE	3201	Air Quality Management	4	Approved
2	12	233	Surface Water Quality	10	ESE	4618	Exchange Technical Elective 3	4	Approved
1	12	238	Priority Organic Pollutants - Transport, Distribution and Transformation	5	ESE	4407	Environmental Forensics	4	Approved
1	12	330	Contaminated Sites	10	ESE	5601	Environmental Risk Assessment	4	Approved
1	12	333	Water Resources Management	5	ESE	4618	Exchange Technical Elective 3	4	Rejected
1	12	336	Groundwater Quality	5	ESE	4617	Exchange Technical Elective 2	4	Approved
1	25	325	Aquatic ecosystems and climate change	5	ESE	4612	Exchange Unrestricted Elective	4	Approved

Please look into other modules as this module has some overlap with CE3132.

Texas A & M_Sem1

AY1920 Sem 1

Mapping Seq Nbr	PU Module Subject	PU Module Course Nbr	PU Module Title	PU Module Units	NUS Subject Area	NUS Catalog Nbr	NUS Module Title	NUS Module MC	Mapping Status
1	CVEN	307-501	Transportation Engineering	3	CE	3121	Transportation Engineering	4	Approved
1	CVEN	446-501	Structural Steel Design	3	CE	3166	Structural Steel Design & Syst	4	Approved
1	CVEN	444-501	Reinforced Concrete Design	3	CE	3165	Structural Concrete Design	4	Approved
1	ENGR	482	Ethics and Engineering	3	EG	2401A	Engineering Professionalism	2	Approved
1	URPN	202	Building Better Cities	3	RE	1701	Urban Land Use and Development	4	Rejected
1	URPN	201	Evolving Cities	3	RE	1701	Urban Land Use and Development	4	Rejected
1	CVEN	402-500	Engineering Environmental System	3	ESE	3101	Solid And Hazardous Waste Mgmt	4	Rejected
1	CVEN	445-200	Matrix Structural Analysis (Honors)	3	CE	4257	Linear Finite Element Analysis	4	Rejected
1	CVEN	658	Civil Engineering Applications of GIS	3	GE	2215	Introduction to GIS	4	Approved

ATTN to note: it is not taught in Eurocode so you might be severely handicapped when you do design in Singapore and when taking PE exam - choice is yours if you finally decided to take it at PU

Mapping is not approved as the module is a core module and is opened only to real estate students and students who are under the minor in real estate programme.

RE1701 is a core module and is offered only to real estate students.

Cannot be mapped to ESE3101 but can be mapped to ESE3001

Texas A & M_Sem1

AY1920 Sem 1

Mapping Seq Nbr	PU Module Subject	PU Module Course Nbr	PU Module Title	PU Module Units	NUS Subject Area	NUS Catalog Nbr	NUS Module Title	NUS Module MC	Mapping Status
1	CVEN	647	Numerical Methods in Geotechnical Engineering	3	CE	5105	Analytical & Numerical Methods	4	Approved
1	CVEN	462	Engineering Hydrogeology	3	CE	5313	Groundwater Hydrology	4	Approved
1	CVEN	423	Geomatics for Civil Engineers	3	CE	4982	Exchange Technical Elective	4	Approved

The George Washington Uni_Sem2

AY1920 Sem 2

Mapping Seq Nbr	PU Module Subject	PU Module Course Nbr	PU Module Title	PU Module Units	NUS Subject Area	NUS Catalog Nbr	NUS Module Title	NUS Module MC	Mapping Status
1	CE	3310	Reinforced Concrete Structures	3	CE	3165	Structural Concrete Design	4	Approved
1	CE	2710	Introduction to Transportation Engineering	3	CE	3121	Transportation Engineering	4	Approved
1	FA	1501	Black and White Photography	3	EX	1005	Exchange UEM (CEE)	4	Approved
1	AMST	2011	Modern American Cultural History	3	EX	2007	Exchange UEM (CEE)	4	Approved
1	ECON	1101	Principles of Economics I	3	EX	1006	Exchange UEM (CEE)	4	Approved
1	PUBH	1101	Introduction to Public Health and Health Services	3	EX	1007	Exchange UEM (CEE)	4	Approved
1	CE	4430W	Contracts and Specifications	3	CE	3981	Exchange Technical Elective	4	Approved

The Uni of Adelaide_Sem1

AY1920 Sem 1

Mapping Seq Nbr	PU Module Subject	PU Module Course Nbr	PU Module Title	PU Module Units	NUS Subject Area	NUS Catalog Nbr	NUS Module Title	NUS Module MC	Mapping Status
1	C&ENVENG	3007	Structural Steel Design	3	CE	3166	Structural Steel Design & Syst	4	Approved
1	C&ENVENG	4085	Traffic Engineering & Design	3	CE	3121	Transportation Engineering	4	Approved
1	C&ENVENG	3012	Geotechnical Engineering Design III	3	CE	3116	Foundation Engineering	4	Approved
1	ECON	2502	East Asian Economies II	3	EC	2374	Economy of Modern China I	4	Approved
1	C&ENVENG	4109	Designing Water Resource Systems for Urban Environments	3	ESE	4405	Urban Water Eng & Mgt	4	Rejected
1	PETROENG	3020	Production Engineering	3	OT	5406	Petroleum Production Engineeri	4	Approved

The scope is differ

British Columbia_Sem2

AY1920 Sem 2

Mapping Seq Nbr	PU Module Subject	PU Module Course Nbr	PU Module Title	PU Module Units	NUS Subject Area	NUS Catalog Nbr	NUS Module Title	NUS Module MC	Mapping Status
1	CIVL	340	Transportation Engineering I	3	CE	3121	Transportation Engineering	4	Approved
1	CIVL	433	Advanced Concrete Design	3	CE	3165	Structural Concrete Design	4	Rejected
1	CIVL	411	Foundation Engineering II	3	CE	3116	Foundation Engineering	4	Rejected
1	CIVL	331	Steel and Timber Design	4	CE	3166	Structural Steel Design & Syst	4	Approved
1	CIVL	435	Advanced Structural Analysis	3	CE	4981	Exchange Technical Elective	4	Approved
1	FIST	220	FIST 220 - Hollywood Cinema 1930-1960	4	CE	3961	Exchange Unrestricted Elective	4	Approved
1	CIVL	513	CIVL 513 Concrete Structures	3	CE	5510	Advanced Structural Concrete D	4	Approved
1	CIVL	513	Concrete Structures	3	CE	4982	Exchange Technical Elective	4	Approved
1	CIVL	509	CIVL 509 Nonlinear Structural Analysis	3	CE	3961	Exchange Unrestricted Elective	4	Approved

Not OK for CE3165.
Student should choose CIVL 430 to map to CE3165.
Cannot be mapped to CE3116. Can be considered as L3/L4 dummy CE TE.

Uni of Queensland_Sem2 AY1920 Sem 2

Mapping Seq Nbr	PU Module Subject	PU Module Course Nbr	PU Module Title	PU Module Units	NUS Subject Area	NUS Catalog Nbr	NUS Module Title	NUS Module MC	Mapping Status
1	CIVL	4333	Advanced Concrete Design	2	CE	5510	Advanced Structural Concrete D	4	Rejected
1	CIVL	4412	Travel Behaviour and Transport Modelling	2	CE	5205	Transportation Planning	4	Approved
1	CIVL	2410	Sustainable Transport Engineering - Traffic Analysis	2	CE	3121	Transportation Engineering	4	Rejected
1	CIVL	4514	Integrated Design	2	CE	4103	Design Project	4	Approved
1	ENGG	4900	Professional Practice and the Business Environment	2	EG	2401A	Engineering Professionalism	2	Approved
1	FIRE	3700	Introduction to Fire Safety Engineering	2	CE	3982	Exchange Technical Elective	4	Approved
1	REDE	1300	Building Construction Management & Economics	2	CE	5603	Engineering Economics & Projec	4	Rejected
1	TIMS	1301	Foundations of Entrepreneurship	2	EG	3661	Innovation & Enterprise Electi	4	Approved
1	FIRE	3700	Introduction to Fire Safety Engineering	2	CE	3982	Exchange Technical Elective	4	Approved
1	FIRE	4610	Fire Engineering Design: Solutions for Implicit Safety	2	CE	4981	Exchange Technical Elective	4	Approved
1	CIVL	4140	CONTAMINANT TRANSPORT MODELLING	2	CE	5313	Groundwater Hydrology	4	Approved

Not approved as main topics in CE5510 not covered. Significant overlap with CE3165

Overlap is not significant enough

cannot map

Texas at Austin_Sem2

AY1920 Sem 2

Mapping Seq Nbr	PU Module Subject	PU Module Course Nbr	PU Module Title	PU Module Units	NUS Subject Area	NUS Catalog Nbr	NUS Module Title	NUS Module MC	Mapping Status	
1	CE	321	Transportation Systems	3	CE	3121	Transportation Engineering	4	Approved	
1	CE	331	Reinforced Concrete Design	3	CE	3165	Structural Concrete Design	4	Approved	
1	CE	335	Elements of Steel Design	3	CE	3166	Structural Steel Design & Syst	4	Approved	
1	CE	360K	Foundation Engineering	3	CE	3116	Foundation Engineering	4	Approved	
1	ARE	323K	PROJECT MANAGEMENT AND ECONOMICS	3	CE	3982	Exchange Technical Elective	4	Rejected	Reject: Similar to CE211
1	ARE	335	Materials & Methods of Building Construction	3	CE	3982	Exchange Technical Elective	4	Remapping Required	Reject as TE. Can only
1	CE	363	Advanced Structural Analysis	3	CE	3982	Exchange Technical Elective	4	Rejected	More than half the course is covered in CE3155. Can only be mapped to CE3155
1	CE	395R	Building Information Modeling for Capital Projects	3	CE	4282	Building Information Modeling	4	Approved	
1	CE	367G	Design & Evaluation of Ground-Based Transportation Systems	3	CE	3982	Exchange Technical Elective	4	Approved	
1	URB	301	Introduction to Urban Studies	3	CE	3963	Exchange Unrestricted Elective	4	Rejected	Remap to level-1000 U
1	URB	352	Principles of Physical Planning	3	CE	3963	Exchange Unrestricted Elective	4	Approved	
1	PHY	303K	Engineering Physics I	3	PC	1431	Physics IE	4	Approved	
1	CE	375	EARTH SLOPES AND RETAINING STRUCTURES	3	CE	5108	Earth Retaining Structures	4	Approved	
1	CE	351	Concrete Materials	3	CE	5604	Advanced Concrete Technology	4	Rejected	Similar to CE2155
1	CE	369R	Indoor Air Quality	3	CE	3981	Exchange Technical Elective	4	Approved	
1	GEO	401	PHYSICAL GEOLOGY	4	EX	1005	Exchange UEM (CEE)	4	Approved	

Uni College London_Sem2

AY1920 Sem 2

Mapping Seq Nbr	PU Module Subject	PU Module Course Nbr	PU Module Title	PU Module Units	NUS Subject Area	NUS Catalog Nbr	NUS Module Title	NUS Module MC	Mapping Status
1	CEGE	100	SOIL MECHANICS	15	CE	2112	Soil Mechanics	4	Approved
1	CENG	26	Energy Systems and Sustainability	15	ESE	4406	Energy and the Environment	4	Approved
1	CEGE	64	Waste and Resource Efficiency	15	ESE	5205	Sludge & Solid Waste Mgt	4	Approved
1	CEGE	57	Advanced Civil Engineering Materials	15	CE	2155	Struc Mechanics & Materials	4	Rejected
1	STEP	4	Clean Energy and Development	15	ESE	4406	Energy and the Environment	4	Approved
1	MSIN	57	Strategic Human Resource Management	15	IE	2150	Human Factors Engineering	4	Rejected
1	BARC	172	Greening Cities nature based solutions for climate change adaptation	15	EX	3103	Exchange UEM (CEE)	4	Approved

little overlap

the syllabus and focus are different.

Uni of Bologna_Sem2

AY1920 Sem 2

Mapping Nbr	Mapping Seq Nbr	PU Module Subject	PU Module Course Nbr	PU Module Title	PU Module Units	NUS Subject Area	NUS Catalog Nbr	NUS Module Title	NUS Module MC	Mapping Status
3	1	IUS/10	78965	Public Procurement	6	EX	3890	Exchange UEM (CEE)	4	Approved
4	1	ICAR/09	72748	Sustainability In Construction	6	CE	4982	Exchange Technical Elective	4	Approved
5	1	ICAR/09	72756	Advanced Design Of Structures	9	CE	3165	Structural Concrete Design	4	Approved
7	1	ICAR/02	78596	Sustainable Design of Water Resources Systems	6	EX	4003	Exchange Technical Elective (C	4	Approved
9	1	SECS-P08	9511	Marketing	8	MKT	1705X	Principles of Marketing	4	Approved
12	1	SECS-P08	48142	Business Strategy	9	EX	3103	Exchange UEM (CEE)	4	Approved
13	1	ICAR/02	72757	Advanced Hydrosystems Engineering	9	EX	4004	Exchange Technical Elective (C	4	Rejected
14	1	SECS-P01	59691	Macroeconomics	8	EX	2007	Exchange UEM (CEE)	4	Approved
15	1	SECS-P01	84556	Industrial Organization	6	EX	2009	Exchange UEM (CEE)	4	Approved
16	1	SECS-P11	75663	Economics of financial intermediation	6	EX	2008	Exchange UEM (CEE)	4	Approved
18	1	ICAR/05	35398	Sustainable Transportation Engineering M	6	CE	3121	Transportation Engineering	4	Approved
19	1	SECS-P09	90548	INTRODUCTION TO PROJECT FINANCING	6	EX	2007	Exchange UEM (CEE)	4	Approved

50% overlap with CE3132

California_CVE_Sem1&2 AY1920 Sem 1

<u>Mapping Seq Nbr</u>	<u>PU Module Subject</u>	<u>PU Module Course Nbr</u>	<u>PU Module Title</u>	<u>PU Module Units</u>	<u>NUS Subject Area</u>	<u>NUS Catalog Nbr</u>	<u>NUS Module Title</u>	<u>NUS Module MC</u>	<u>Mapping Status</u>
1	CIV ENG	124	Structural Design in Timber	3	CE	3981	Exchange Technical Elective	4	Rejected
1	CIV ENG	126	Engineering Dynamics and Vibrations	3	CE	4258	Structural Stability & Dynamic	4	Rejected
1	CIV ENG	153	Transportation Facility Design	3	CE	3121	Transportation Engineering	4	Approved
1	CIV ENG	155	Transportation Systems Engineering	3	CE	5203	Traffic Flow & Control	4	Approved
1	CIV ENG	173	Groundwater and Seepage	3	CE	5101	Seepage & Consolidation of Soi	4	Approved
1	CIV ENG	179	Geosystems Engineering Design	3	CE	3116	Foundation Engineering	4	Approved
1	CIV ENG	225	Dynamics of Structures	4	CE	4258	Structural Stability & Dynamic	4	Approved
1	CIV ENG	244	Reinforced Concrete Structures	3	CE	5510	Advanced Structural Concrete D	4	Rejected
1	CIV ENG	248	Behaviour and Plastic Design of Steel Structures	3	CE	5513	Plastic Analysis Of Structures	4	Approved
1	CIV ENG	249	Experimental Methods in Structural Engineering	3	CE	4982	Exchange Technical Elective	4	Approved
1	CIV ENG	270	Advanced Geomechanics	3	CE	4982	Exchange Technical Elective	4	Approved
1	CIV ENG	271	Sensors and Signal Interpretation	3	CE	4981	Exchange Technical Elective	4	Approved
1	CIV ENG	275	Geotechnical Earthquake Engineering	3	CE	4981	Exchange Technical Elective	4	Approved
1	CIV ENG	281	Engineering Geology	3	CE	4982	Exchange Technical Elective	4	Approved
1	CIV ENG	122N	Design of Steel Structures	3	CE	3166	Structural Steel Design & Syst	4	Approved
1	CIV ENG	123N	Design of Reinforced Concrete Structures	3	CE	3165	Structural Concrete Design	4	Approved
1	CIV ENG	268H	Advanced Project Planning and Control	3	CE	5806	Advanced Project Management wi	4	Approved

can only mapped to UEM

Student should take CIV ENG 225 (<http://guide.berkeley.edu/search/?P=CIV%20ENG%20225>) to map to CE4258

Remap to a dummy TE

1	CIV ENG	C133	Engineering Analysis using the Finite Element Method	3	CE	4257	Linear Finite Element Analysis	4	Approved
1	CIV ENG	C178	Applied Geophysics	3	OT	5403	Petrophysics and Downhole Meas	4	Approved
1	ECI	132	Struc Des: Metal Element	4	CE	3166	Structural Steel Design & Syst	4	Approved
1	ECI	153	Deterministic Optimization and Design	4	CE	4982	Exchange Technical Elective	4	Approved
1	ECI	165	Transportation Policy	3	CE	4982	Exchange Technical Elective	4	Approved
1	ECI	175	Geotech Earthquake Engr	4	CE	4982	Exchange Technical Elective	4	Approved
1	ECI	256	Urban Traf Mgmt	4	CE	5206	Urban Public Transportation Sy	4	Remapping Required
1	ECI	283	PhysChem Aspects of Soil	4	CE	3982	Exchange Technical Elective	4	Approved
1	ECON	11	The Internet and Public Policy	4	EX	1000	Exchange UEM	4	Approved
1	ECON	13	Global Economy	4	EX	1001	Exchange UEM	4	Approved
1	ECON	23	Basic Economics for Engineers	4	EX	1002	Exchange UEM	4	Approved
1	ENGR	165	Advanced Manufacturing	4	EX	2000	Exchange UEM	4	Approved
1	ENGR	190W	Communications in the Professional World	4	EG	2401A	Engineering Professionalism	2	Rejected
1	ENGRCEE	20	Introduction to Computational Problem Solving	4	EX	1005	Exchange UEM (CEE)	4	Approved
1	ENGRCEE	121	Transportation systems I: analysis and design	4	CE	3121	Transportation Engineering	4	Approved
1	ENGRCEE	155	Structural Steel Design	4	CE	3166	Structural Steel Design & Syst	4	Approved
1	ENGRCEE	156	Foundation Design	4	CE	3116	Foundation Engineering	4	Approved
1	ENGRCEE	163	Wastewater Treatment Process Design	4	ESE	3001	Water Quality Engineering	4	Approved
1	ENGRCEE	172	Groundwater Hydrology	4	CE	5313	Groundwater Hydrology	4	Approved
1	ENGRCEE	176	Hydrology	4	CE	4981	Exchange Technical Elective	4	Approved
1	ENGRCEE	231	Foundation Engineering	4	CE	3116	Foundation Engineering	4	Approved

Cannot be mapped to CE5206 but can be mapped to CE5203. Please remap.

1	ENGRCEE	250	Finite Element method in structural engineering	4	CE	4257	Linear Finite Element Analysis	4	Approved
1	ENGRCEE	283	Mathematical Methods in Engineering Analysis	4	CE	2407	Engrg & Uncertainty Analyses	4	Approved
1	ENGRCEE	151A	Structural Analysis	4	CE	3155	Structural Analysis	4	Approved
1	ENGRCEE	151C	Reinforced Concrete Design	4	CE	3165	Structural Concrete Design	4	Approved
1	I&C SCI	3	Internet Technologies and their Social Impact	4	EX	1003	Exchange UEM	4	Approved
1	INTL ST	114A	International Political Economy	4	EX	2001	Exchange UEM	4	Approved
1	MAT	108	Intro Abstract Math	4	MA	1100	Basic Discrete Mathematics	4	Approved
1	STAT	151A	Linear Modeling: theory and applications	4	ST	3131	Regression Analysis	4	Approved
1	UPPP	5	Introduction to Urban Planning and Policy	4	EX	1004	Exchange UEM	4	Approved
1	UPPP	237	Introduction to Geographic Information Systems	4	GE	2215	Introduction to GIS	4	Approved

California_CVE_Sem1&2

AY1920 Sem 2

Mapping Seq Nbr	PU Module Subject	PU Module Course Nbr	PU Module Title	PU Module Units	NUS Subject Area	NUS Catalog Nbr	NUS Module Title	NUS Module MC	Mapping Status
2	ENGRCEE	11	Methods II: Probability and Statistics. 4 Units.	4	CE	2407	Engg & Uncertainty Analyses	4	Approved
1	ENGRCEE	111	Methods IV: Systems Analysis and Decision-Making	4	EX	3897	Exchange Technical Elective (C	4	Rejected
1	ENGRCEE	111	Methods IV: Systems Analysis and Decision-Making	4	EX	1005	Exchange UEM (CEE)	4	Approved
1	ENGRCEE	163	Wastewater Treatment Process Design	4	ESE	3001	Water Quality Engineering	4	Approved
1	ENGRCEE	171	Water Resources Engineering	4	CE	3132	Water Resources Engineering	4	Rejected
1	ENGRCEE	151B	STRUCTURAL TIMBER DESIGN	4	EX	3897	Exchange Technical Elective (C	4	Rejected
1	ENGRCEE	229A	TRAFFIC SYSTEMS OPERATIONS AND CONTROL I	4	CE	5203	Traffic Flow & Control	4	Approved
1	ENGRCEE	229A	TRAFFIC SYSTEMS OPERATIONS AND CONTROL I	4	EX	2007	Exchange UEM (CEE)	4	Rejected
1	IC SCI	31	INTRO TO PROGRAMMING	4	CS	1010E	Programming Methodology	4	Approved
1	MATH	3A	Introduction to Linear Algebra. 4 Units.	4	CE	2407	Engg & Uncertainty Analyses	4	Approved
1	PSYCH	9A	PSYCH FUNDAMENTALS	4	PL	1101E	Introduction to Psychology	4	Approved
1	UPPP	4	INTRO URBAN STUDIES	4	RE	2701	Urban Planning	4	Rejected
1	UPPP	4	INTRO URBAN STUDIES	4	EX	1005	Exchange UEM (CEE)	4	Approved

cannot be mapped to a TE

Reject. only able to map to Hydraulic component of CE3132. Look for a Hydrology PU module then map "many to one" to CE3132

Prerequisite CEE151A required. Approve as UEM only

Can be TE hence do not need to be a UEM.

The module is a core module and is offered only to real estate students and those who are registered under the minor programme.

1	UPPP	131	Environmental Sustainability I	4	EX	1005	Exchange UEM (CEE)	4	Approved
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Uni of Canterbury_Sem2

AY1920 Sem 2

Mapping Seq Nbr	PU Module Subject	PU Module Course Nbr	PU Module Title	PU Module Units	NUS Subject Area	NUS Catalog Nbr	NUS Module Title	NUS Module MC	Mapping Status
1	ENCI	423	Advanced Structural Analysis and Dynamics	15	CE	4981	Exchange Technical Elective	4	Approved
1	ENCI	423	Advanced Structural Analysis and Dynamics	15	CE	4258	Structural Stability & Dynamic	4	Rejected
1	ENCI	426	Structural Concrete	15	CE	3165	Structural Concrete Design	4	Rejected
1	ENCI	429	Structural Systems	15	CE	4982	Exchange Technical Elective	4	Rejected
1	ENCI	438	Introduction to Structural Earthquake Engineering	15	EX	4006	Exchange Technical Elective (C	4	Approved
1	ENCN	221	Engineering Materials	15	CE	3981	Exchange Technical Elective	4	Rejected
1	ENCN	261	Transport and Surveying	15	CE	3121	Transportation Engineering	4	Approved
1	ENCN	305	Programming, Statistics and Optimization	15	CE	3982	Exchange Technical Elective	4	Rejected
1	ENCN	401	Engineering in Developing Communities	15	CE	3981	Exchange Technical Elective	4	Approved
1	ENCN	412	Traffic Engineering	15	CE	5205	Transportation Planning	4	Approved
1	ENCN	415	Pavement Engineering	15	CE	5204	Pavement Design & Rehab	4	Approved

Cannot to CE4258 but can be mapped to a dummy TE

The student would have to take ENCI336, ENCI425 and ENCI426 to map to CE3165, CE3166 and 1 TE as a package.

The content is covered in many modules in CE core

Cannot be mapped as the many topics are covered in our NUS modules (CE2155, CE3121, CE3165)

some topics overlap with core module. can only map as UEM but not TE.

1	ENCN	444	Water Infrastructure and Design	15	CE	4982	Exchange Technical Elective	4	Rejected
1	ENCN	445	Environmental Fluid Mechanics	15	CE	3132	Water Resources Engineering	4	Rejected
1	ENCN	452	Advanced Geotechnical Engineering	15	CE	3116	Foundation Engineering	4	Approved
1	ENGR	403	Fire Engineering	15	EX	4004	Exchange Technical Elective (C	4	Approved
1	ENMT	211	Principles of Mechatronics	15	EX	2007	Exchange UEM (CEE)	4	Approved
1	ENNR	320	Integrated Catchment Analysis	15	EX	4003	Exchange Technical Elective (C	4	Approved
1	GEOG	205	Introduction to Geographic Information Systems and Science	15	GE	2741	Department Exchange Module	4	Approved
1	MKTG	100	Principles of Marketing	15	MKT	1705X	Principles of Marketing	4	Approved
1	MKTG	100	Principles of Marketing	15	EX	1007	Exchange UEM (CEE)	4	Approved

This module has some overlap with our CE3132 hence you can take ENCN242 and ENCN444 to map to CE3132 and the extra MCs to UEM.

Uni of Colorado Boulder_Sem2

AY1920 Sem 2

<u>Mapping Seq Nbr</u>	<u>PU Module Subject</u>	<u>PU Module Course Nbr</u>	<u>PU Module Title</u>	<u>PU Module Units</u>	<u>NUS Subject Area</u>	<u>NUS Catalog Nbr</u>	<u>NUS Module Title</u>	<u>NUS Module MC</u>	<u>Mapping Status</u>
1	CVEN	3227	Probability, Statistics and Decision	3	CE	2407	Engrg & Uncertainty Analyses	4	Rejected
1	CVEN	3246	Introduction to Construction	3	CE	2183	Construction Project Mgmt	4	Approved
1	CVEN	3414	Fundamentals of Environmental Engineering	3	ESE	3001	Water Quality Engineering	4	Approved
1	CVEN	3525	Structural Analysis	3	CE	3155	Structural Analysis	4	Approved
2	CVEN	3323	Hydraulic Engineering	3	CE	3132	Water Resources Engineering	4	Approved
1	CVEN	3602	Transportation Systems	3	CE	3121	Transportation Engineering	4	Rejected
1	STAT	2600	Introduction to Data Science	4	CE	3961	Exchange Unrestricted Elective	4	Rejected
1	CVEN	4555	Reinforced Concrete Design	3	CE	3165	Structural Concrete Design	4	Approved
1	CVEN	4728	Foundation Engineering	3	CE	3116	Foundation Engineering	4	Approved
1	CVEN	5423	Water Resources Engineering	3	CE	3132	Water Resources Engineering	4	Rejected
1	CVEN	4545	Steel Design	3	CE	3166	Structural Steel Design & Syst	4	Approved
1	LEAD	1000	Becoming a Leader	3	EX	1000	Exchange UEM	4	Approved
1	ASTR	1101	Introductory Astronomy 1	3	EX	1001	Exchange UEM	4	Approved

A/Prof Pang advise not to take this module because the differential equations part is missing

The overlap with CE3121 is not great hence can only be considered for a L3 TE

More appropriate at most, as a level-2000 module. Please submit another mapping of "One to Many" using these codes - EX2009 Exchange UEM (CEE), 4MCs and EX2044 Exchange UEM (CEE), 1MC.

There is very little overlap between CVEN 5423 and CE3132

Uni of Colorado Boulder_Sem2

AY1920 Sem 2

<u>Mapping Seq Nbr</u>	<u>PU Module Subject</u>	<u>PU Module Course Nbr</u>	<u>PU Module Title</u>	<u>PU Module Units</u>	<u>NUS Subject Area</u>	<u>NUS Catalog Nbr</u>	<u>NUS Module Title</u>	<u>NUS Module MC</u>	<u>Mapping Status</u>
1	GEOL	2040	The Search for Life in the Universe	3	EX	2000	Exchange UEM	4	Approved
1	CVEN	3698	Engineering Geology	3	CE	3981	Exchange Technical Elective	4	Approved
1	CVEN	4333	Engineering Hydrology	3	EX	4003	Exchange Technical Elective (C	4	Approved
1	CVEN	4333	Engineering Hydrology	3	CE	3132	Water Resources Engineering	4	Rejected
1	CVEN	4333	Engineering Hydrology	3	CE	3132	Water Resources Engineering	4	Approved
2	CVEN	3323	Hydraulic Engineering	3					

Just with CVEN4333, it is only 50% of CE3132. You must combine with CVEN3323 to make it to CE3132 and the extra 4 MCs, can be given back as a 4 MCs dummy Level-3000 TE or UEM.

Uni of Illinois_Sem 1

AY1920 Sem 1

Mapping Seq Nbr	PU Module Subject	PU Module Course Nbr	PU Module Title	PU Module Units	NUS Subject Area	NUS Catalog Nbr	NUS Module Title	NUS Module MC	Mapping Status
1	CE	350	Water Resources Engineering	3	CE	3132	Water Resources Engineering	4	Approved
1	CE	380	Geotechnical Engineering	3	CE	3115	Geotechnical Engineering	4	Approved
1	CE	434	Environmental Systems I	3	CE	3981	Exchange Technical Elective	4	Approved
1	CE	460	Steel Structures I	2.4	CE	3166	Structural Steel Design & Syst	4	Approved
1	CE	461	Reinforced Concrete I	2.4	CE	3165	Structural Concrete Design	4	Approved
1	CE	470	Structural Analysis	1	CE	3155	Structural Analysis	4	Rejected
1	CEE	202	Engineering Risk & Uncertainty	3	CE	2407	Engrg & Uncertainty Analyses	4	Approved
1	CEE	310	Transportation Engineering	3	CE	3121	Transportation Engineering	4	Approved
1	CEE	320	Construction Engineering	3	CE	2183	Construction Project Mgmt	4	Approved
1	CEE	360	Structural Engineering	3	CE	3155	Structural Analysis	4	Approved
1	CEE	398	Project Based Learning in CEE	3	CE	3981	Exchange Technical Elective	4	Approved
1	CEE	412	High-speed Rail Engineering	3	CE	4981	Exchange Technical Elective	4	Approved
1	CEE	416	Traffic Capacity Analysis	3	CE	5203	Traffic Flow & Control	4	Approved
1	CEE	421	Construction Planning	3	CE	3981	Exchange Technical Elective	4	Approved
1	CEE	442	Env Eng Principles, Physical	4	CE	4982	Exchange Technical Elective	4	Approved
1	CEE	450	Energy and Global Environment	3	CE	3982	Exchange Technical Elective	4	Approved
1	CEE	458	Water Resources Field Methods	4	CE	3981	Exchange Technical Elective	4	Approved
1	CEE	460	Steel Structures I	3	CE	3166	Structural Steel Design & Syst	4	Approved
1	CEE	461	Reinforced Concrete I	3	CE	3165	Structural Concrete Design	4	Approved
1	CEE	493	Sustainable Design Eng Tech	4	CE	4981	Exchange Technical Elective	4	Approved

Should map CEE360 to CE3155

Uni of Illinois_Sem 1

AY1920 Sem 1

<u>Mapping Seq Nbr</u>	<u>PU Module Subject</u>	<u>PU Module Course Nbr</u>	<u>PU Module Title</u>	<u>PU Module Units</u>	<u>NUS Subject Area</u>	<u>NUS Catalog Nbr</u>	<u>NUS Module Title</u>	<u>NUS Module MC</u>	<u>Mapping Status</u>
1	ECE	316	Ethics and Engineering	3	EG	2401A	Engineering Professionalism	2	Approved
1	KIN	104	Skating Activities	1	EX	1005	Exchange UEM (CEE)	4	Approved

Uni of Southern California_Sem2

AY1920 Sem 2

Mapping Seq Nbr	PU Module Subject	PU Module Course Nbr	PU Module Title	PU Module Units	NUS Subject Area	NUS Catalog Nbr	NUS Module Title	NUS Module MC	Mapping Status
1	ENE	428	Air Pollution Fundamentals	4	ESE	3201	Air Quality Management	4	Approved
1	CE	460	Construction Engineering	3	CE	2183	Construction Project Mgmt	4	Approved
1	BISC	102LXG	Humans and Their Environment	4	LSM	2251	Ecology and Environment	4	Approved
1	CE	402	Computer Methods in Engineering	2	EX	2022	Exchange UEM	2	Approved
1	PHED	153	Futsal	1	EX	1030	Exchange UEM	1	Approved
1	PHED	154A	Soccer	1	EX	1031	Exchange UEM	1	Approved
1	PHED	161	First Aid	1	EX	1030	Exchange UEM	1	Approved
1	PHED	153	Futsal	1	EX	1020	Exchange UEM	2	Rejected
1	PHED	102A	Weight Training	1	EX	1030	Exchange UEM	1	Approved
1	PHED	104A	Self-Defence	1	EX	1031	Exchange UEM	1	Approved
1	CE	450	Basic Coastal Engineering	3	CE	5308	Coastal Processes & Sediment T	4	Remapping Required
1	CE	458	Computational Structural Analysis	4	CE	4258	Structural Stability & Dynamic	4	Rejected
1	ENE	426	Particulate Air Pollutants: Properties/ Behavior/ Measurement	3	ESE	5203	Aerosol Science and Technology	4	Approved
1	CE	465	Water Supply and Sewerage System Design	4	ESE	3401	Sustainable Urban Water Techno	4	Approved

Cannot map to 2 MCs

Reject. closer to CE5307

Little overlap.

Uni of Toronto_Sem2

AY1920 Sem 2

Mapping Nbr	Mapping Seq Nbr	PU Module Subject	PU Module Course Nbr	PU Module Title	PU Module Units	NUS Subject Area	NUS Catalog Nbr	NUS Module Title	NUS Module MC	Mapping Status
1	1	CIV	324H1S	Geotechnical Engineering II	0.5	CE	3116	Foundation Engineering	4	Approved
2	1	CIV	518H1	Behaviour and Design of Steel Structures	0.5	CE	3166	Structural Steel Design & Syst	4	Approved
3	1	CIV	313H1S	Reinforced Concrete I	0.5	CE	3165	Structural Concrete Design	4	Approved
5	1	ECO	305H1	Economics of Accounting	0.5	EC	2204	Financial Accounting for Econo	4	Rejected
6	1	ECO	349H1	Money, Banking and Financial Markets	0.5	EC	3332	Money and Banking I	4	Approved
7	1	CIV	332	Transport II - Performance	0.5	CE	3121	Transportation Engineering	4	Rejected
8	1	CIV	332H1S	Transport II - Performance	0.5	CE	3121	Transportation Engineering	4	Approved

We will not map EC2204 on SEP. As EC2204 is designed for economics students in NUS.

You will need to take CIV331 and 332 to map to CE3121. (These you map under "Many to One" and upon you return, it will be mapped to CE31321 and a level-3000 TE (which students can only take 1 to fulfil TE requirements) or UEM.) Submit a new request for it if you have decided to take them.

This is not the module ideal fit as it covers only 50+% on CE3121. We will leave it to you if you want to take it for CE3121 eventually

Uni of Waterloo_Sem 1

AY1920 Sem 1

Mapping Seq Nbr	PU Module Subject	PU Module Course Nbr	PU Module Title	PU Module Units	NUS Subject Area	NUS Catalog Nbr	NUS Module Title	NUS Module MC	Mapping Status
1	ENVE	277	Air Quality Engineering	0.5	ESE	3201	Air Quality Management	4	Approved
1	CIVE	382	Hydrology and Open Channel Flow	0.5	CE	3132	Water Resources Engineering	4	Approved
1	CIVE	265	Structure and Properties of Material	0.5	CE	2155	Struc Mechanics & Materials	4	Rejected
1	PHIL	315	Ethics and The Engineering Profession	0.5	EG	2401A	Engineering Professionalism	2	Approved
1	ENVE	279	Energy and the environment	0.5	ESE	4406	Energy and the Environment	4	Approved
1	ERS	316	Urban Water and Wastewater Systems: Integrated Planning and Management	0.5	ESE	4405	Urban Water Eng & Mgt	4	Approved
1	CHE	516	Energy system engineering	0.5	ESE	4616	Exchange Technical Elective 1	4	Approved
1	CHE	514	Fundamentals of petroleum production	0.5	EX	4009	Exchange Technical Elective (C	4	Approved
1	CIVE	484	Physical Infrastructure Planning	0.5	ESE	4618	Exchange Technical Elective 3	4	Approved
1	CHE	571	Industrial ecology	0.5	ESE	4617	Exchange Technical Elective 2	4	Approved
1	CHE	361	Bioprocess engineering	0.5	ESE	4617	Exchange Technical Elective 2	4	Rejected
1	CIVE	241	Transport Principles and Applications	0.5	EX	2008	Exchange UEM (CEE)	4	Approved
1	EARTH	231	Mineralogy	0.5	EX	2007	Exchange UEM (CEE)	4	Approved
1	SCI	238	Introductory Astronomy	0.5	EX	2009	Exchange UEM (CEE)	4	Approved
1	MSCI	211	Organizational Behaviour	0.5	EX	2007	Exchange UEM (CEE)	4	Approved
1	GEOG	225	Global Environment and Health	0.5	EX	2009	Exchange UEM (CEE)	4	Approved
1	SOCWK	301R	Understanding Diversity in Canada	0.5	EX	2007	Exchange UEM (CEE)	4	Approved

It covers the material part of CE2155, but not the mechanics part of CE2155.

you will be learn such topics in NUS.

1	ERS	215	Environmental and Sustainability Assessment I	0.5	ESE	4408	Environmental Impact Assessment	4	Approved
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<u>Mapping Seq Nbr</u>	<u>PU Module Subject</u>	<u>PU Module Course Nbr</u>	<u>PU Module Title</u>	<u>PU Module Units</u>	<u>NUS Subject Area</u>	<u>NUS Catalog Nbr</u>	<u>NUS Module Title</u>	<u>NUS Module MC</u>	<u>Mapping Status</u>
1	CONCR	2	Concrete Structures II	5	CE	3165	Structural Concrete Design	4	Approved
1	KONMET	2	Metal Structures II	5	CE	3166	Structural Steel Design & Syst	4	Approved
1	SOILE	2	Soil Mechanics and Geotechnical Engineering II	5	CE	3116	Foundation Engineering	4	Rejected
1	MESTR	2	Mechanics of Structures II	5	CE	4258	Structural Stability & Dynamic	4	Approved
1	1120-INO	0-ISA- 0245	Probability	4	ST	2131	Probability	4	Pending Approval
1	1120INO 0	0ISA0123	DISCRETE MATHEMATICS I	4	CS	1231	Discrete Structures	4	Rejected
1	TRAN	1	TRANSPORTATION ENGINEERING 1	4	CE	3121	Transportation Engineering	4	Approved
2	TRAN	2	TRANSPORTATION ENGINEERING 2	4	CE	3121	Transportation Engineering	4	Approved
1	1120-INO	00- ISA0116	Programming 1 Fundamentals	6	EX	2007	Exchange UEM (CEE)	4	Approved

Syllabus
closer to
CE2112.

Western Uni_Sem1

AY1920 Sem 1

Mapping Seq Nbr	PU Module Subject	PU Module Course Nbr	PU Module Title	PU Module Units	NUS Subject Area	NUS Catalog Nbr	NUS Module Title	NUS Module MC	Mapping Status
1	CEE	4491A	Structural Dynamics II	0.5	CE	4258	Structural Stability & Dynamic	4	Approved
1	CEE	4458A	Risk Analysis And Decision Making in Engineering	0.5	CE	4981	Exchange Technical Elective	4	Approved
1	CEE	4418A	Systems Approach for Civil and Environmental Engineering	0.5	CE	4982	Exchange Technical Elective	4	Approved
1	CEE	4465A	Environmental Design for waste disposal	0.5	CE	4981	Exchange Technical Elective	4	Approved
1	PHYSICS	1301A	Introductory Physics I	0.5	PC	1431	Physics IE	4	Approved
2	PHYSICS	1401A	Physics for Engineering Students	0.5	PC	1431	Physics IE	4	Approved
1	CEE	3327A	International Development for Engineers	0.5	CE	3961	Exchange Unrestricted Elective	4	Approved
1	CEE	3348A	Project Management and Engineering Cases	0.5	CE	3961	Exchange Unrestricted Elective	4	Rejected
1	CS	1026A	Computer Science Fundamentals I	0.5	CS	1010S	Programming Methodology	4	Approved
1	CEE	4485A	Cities: Resilience and Sustainability	0.5	CE	4981	Exchange Technical Elective	4	Approved

Similar to
CE2183

Yonsei Uni_Korea_Sem2

AY1920 Sem 2

Mapping Seq Nbr	PU Module Subject	PU Module Course Nbr	PU Module Title	PU Module Units	NUS Subject Area	NUS Catalog Nbr	NUS Module Title	NUS Module MC	Mapping Status	
1	DAA	3250	CHEM ENG THERMODYNAMICS 1	3	CN	2121	Chemical Engineering Thermodyn	4	Approved	
1	CEE	3415	SOLID WASTE TREATMENT & DISPOSAL	3	ESE	3101	Solid And Hazardous Waste Mgmt	4	Approved	
1	CEE	3414	PHYSICO-CHEMICAL WATER TREATMENT/SUPPLY ENGINEERING	3	ESE	3401	Sustainable Urban Water Techno	4	Approved	
1	CEE	3406	BIOLOGICAL WASTEWATER TREATMENT	3	ESE	5404	Biological Treatment Processes	4	Approved	
1	IEE	3341	KOREAN (1)	3	LAK	1201	Korean 1	4	Approved	
1	KLI	1001	INTENSIVE KOREAN LANGUAGE (LEVEL 1)	6	LAK	1201	Korean 1	4	Approved	
2	KLI	1001	INTENSIVE KOREAN LANGUAGE (LEVEL 1)	6	LAK	2201	Korean 2	4	Approved	
1	CEE	3203	ECOLOGICAL ENGINEERING	3	ESE	5301	Environmental Biological Princ	4	Rejected	ESE5301 is a more advanced module.
1	BTE	2202	GENERAL MICROBIOLOGY	3	ESE	3301	Environmental Microbio Prin	4	Approved	
1	CDM	3001	SERVICE DESIGN	3	IE	4604	Exchange Elective	4	Approved	
1	CRP	2340	ENVIRONMENTAL PLANNING	3	PF	4305	Green Development	4	Rejected	PF modules are not allowed to be mapped by non-PFM students
1	CEE	3403	Soil Mechanics	3	CE	2112	Soil Mechanics	4	Approved	
1	CEE	3401	STRUCTURAL ANALYSIS	3	CE	2155	Struc Mechanics & Materials	4	Rejected	This module is to be mapped to CE3155

Yonsei Uni_Korea_Sem2

AY1920 Sem 2

Mapping Seq Nbr	PU Module Subject	PU Module Course Nbr	PU Module Title	PU Module Units	NUS Subject Area	NUS Catalog Nbr	NUS Module Title	NUS Module MC	Mapping Status
1	CEE	3303	MECHANICS OF MATERIALS WITH APPLICATION	3	CE	2155	Struc Mechanics & Materials	4	Rejected
1	IEE	2084	KOREAN FOOD AND CULTURE	3	SC	2741	Department Exchange Module	4	Approved
1	CEE	3203	ECOLOGICAL ENGINEERING	3	ESE	4616	Exchange Technical Elective 1	4	Approved

missing component on civil engineering materials. Student must find the module on civil engineering materials and map both modules to CE2155

York Uni

AY1920 Sem 1

Mapping Seq Nbr	PU Module Subject	PU Module Course Nbr	PU Module Title	PU Module Units	NUS Subject Area	NUS Catalog Nbr	NUS Module Title	NUS Module MC	Mapping Status
1	CIVL	3160	Transportation Engineering	3	CE	3121	Transportation Engineering	4	Approved
1	ENVS	4220	Urbanization in Developing Countries	3	CE	3961	Exchange Unrestricted Elective	4	Approved
1	SOCI	4632	Work in a Warming World: Issues in work, labour and climate change	3	CE	3961	Exchange Unrestricted Elective	4	Approved
1	SOSC	3717	Urban Transportation	3	GE	3236	Transport and Communications	4	Approved
1	CIVL	4002	Reinforced Concrete Design	3	CE	3165	Structural Concrete Design	4	Rejected
1	ENVS	3227	Urban Planning and Politics in Global Context	3	GE	2204	Cities in Transition	4	Approved

Must take both CIVL 3230 and CIVL 4002 to map to CE3165

CityHKGU

Mapping Seq Nbr	PU Module Subject	PU Module Course Nbr	PU Module Title	PU Module Units	NUS Subject Area	NUS Catalog Nbr	NUS Module Title	NUS Module MC	Mapping Status
1	AIS	2012	Social Research Methods	3	SC	2101	Methods of Social Research	4	Approved
1	CA	2169	Environmental Engineering	3	CE	3982	Exchange Technical Elective	4	Rejected
1	CA	2676	Transportation Engineering	3	CE	3121	Transportation Engineering	4	Approved
1	CA	3168	Building Information Modelling for Capital Projects	3	CE	3982	Exchange Technical Elective	4	Rejected
1	CA	3168	Building Information Modelling for Capital Projects	3	CE	3961	Exchange Unrestricted Elective	4	Approved
1	CA	3171	Construction Technology and Structural Planning	3	CE	3981	Exchange Technical Elective	4	Rejected
1	CA	3172	Building and Land Use Control	3	CE	3982	Exchange Technical Elective	4	Approved
1	CA	3214	Construction Economics	3	CE	3982	Exchange Technical Elective	4	Approved
1	CA	3230	Property Valuation and Interest Theory	3	CE	3981	Exchange Technical Elective	4	Rejected
1	CA	3401	Construction Management and Economics	3	CE	4981	Exchange Technical Elective	4	Approved
1	CA	3417	Management for Construction	3	CE	3982	Exchange Technical Elective	4	Approved
1	CA	3561	Transportation Engineering	3	CE	3121	Transportation Engineering	4	Approved
1	CA	3619	Design of Structural Elements	3	CE	3166	Structural Steel Design & Syst	4	Approved
1	CA	3634	Reinforced and Prestressed Concrete Structures	3	CE	3165	Structural Concrete Design	4	Approved
1	CA	3677	Hydraulics and Hydrology	3	CE	3132	Water Resources Engineering	4	Approved

This is an entry level knowledge module hence cannot be to a level-3000

The core modules in NUS CVE cover the sub-topics in this module in depth.

Not much relevancy to Civil Engineering. It is a Real Estate type of module.

CityHKGU

Mapping Seq Nbr	PU Module Subject	PU Module Course Nbr	PU Module Title	PU Module Units	NUS Subject Area	NUS Catalog Nbr	NUS Module Title	NUS Module MC	Mapping Status	
1	CA	3686	Construction and Contract Management	3	CE	3981	Exchange Technical Elective	4	Rejected	Overlap with our CE2183
1	CA	3686	Construction Contract and Management	3	EX	4007	Exchange Technical Elective (C	4	Rejected	
1	CA	3691	Building Services for Surveyors	3	EX	3897	Exchange Technical Elective (C	4	Rejected	
1	CA	3732	Fire Engineering and Piped Services	3	CE	3981	Exchange Technical Elective	4	Approved	
1	CA	4190	Transport Policy and Planning	3	CE	5205	Transportation Planning	4	Remapping Required	
1	CA	4192	Sustainable Urbanism	3	CE	3982	Exchange Technical Elective	4	Approved	
1	CA	4320	Cost management of Building and Engineering Works	3	CE	4982	Exchange Technical Elective	4	Approved	
1	CA	4320	Cost Management of Building and Engineering Works	3	EX	4004	Exchange Technical Elective (C	4	Approved	
1	CA	4423	Sustainable Green Construction	3	CE	4981	Exchange Technical Elective	4	Approved	
1	CA	4424	Strategic BIM Management in Construction	3	CE	4981	Exchange Technical Elective	4	Approved	
1	CA	4615	Advanced Construction Technology	3	CE	4981	Exchange Technical Elective	4	Approved	
1	CA	4617	Temporary Works Design	3	CE	4981	Exchange Technical Elective	4	Approved	
1	CA	4623	Maintenance Technology and Management	3	CE	4982	Exchange Technical Elective	4	Approved	
1	CA	4630	Building Design and Appraisal	3	CE	4982	Exchange Technical Elective	4	Rejected	Not as TE. But can be a UEM, if you want to take.
1	CA	4679	Advanced Environmental Engineering	3	CE	4981	Exchange Technical Elective	4	Approved	
1	CA	4682	Advanced Geotechnical and Foundation Engineering	3	CE	3116	Foundation Engineering	4	Approved	
1	CA	4706	Hydrology	3	CE	4982	Exchange Technical Elective	4	Rejected	An overlap with CE3132 but not the whole module though

CityHKGU

<u>Mapping Seq Nbr</u>	<u>PU Module Subject</u>	<u>PU Module Course Nbr</u>	<u>PU Module Title</u>	<u>PU Module Units</u>	<u>NUS Subject Area</u>	<u>NUS Catalog Nbr</u>	<u>NUS Module Title</u>	<u>NUS Module MC</u>	<u>Mapping Status</u>
1	CA	4708	Finite Element Methods in Civil Engineering	3	CE	4257	Linear Finite Element Analysis	4	Approved
1	CB	2300	Management	3	MNO	1706X	Organisational Behavior	4	Approved
1	CB	3410	Financial Management	3	FIN	2704X	Finance	4	Approved
1	CB	4301	Cross-Cultural Negotitation	3	EX	2007	Exchange UEM (CEE)	4	Approved
1	CS	2311	Computer Programming	3	CS	1010	Programming Methodology	4	Approved
1	GE	2212	Contemporary Business Communication	3	EX	2008	Exchange UEM (CEE)	4	Rejected
1	SEE	4218	Water and Water Resource Engineering	3	ESE	3001	Water Quality Engineering	4	Rejected
1	SEEM	3020	Engineering Economic Analysis	3	IE	2140	Engineering Economy	4	Approved
1	SS	2033	Research Methods for Behavioural Sciences	3	SC	2101	Methods of Social Research	4	Approved
1	SS	2034	Research Methods in Social Sciences	3	SC	2101	Methods of Social Research	4	Approved

A more suitable one is SEE4218 Waste and Wastewater Treatment Engineering in that semester