

Arizona_Sem2

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	MUS	145	Nonmajors Class Piano: Beginner	3	EX	1007	Exchange UEM 3	4	Approved
1	DCE	220	Modern Dance II	2	EX	1000	Exchange UEM	4	Approved
1	CEE	294	Topic: MatLab	1	EX	3105	Exchange UEM	2	Approved
1	CEE	353	Civil Engineering Materials	4	CE	3981	Exchange Technical Elective	4	Rejected
1	CEE	400	Earth Systems Engineering and Management	3	EX	4007	Exchange Technical Elective 7	4	Approved
1	CEE	420	Steel Structures	3	CE	3166	Structural Steel Design & Syst	4	Approved
1	CEE	421	Concrete Structures	3	CE	3165	Structural Concrete Design	4	Approved
1	CEE	432	Developing Software for Engineering Applications	3	EX	4004	Exchange Technical Elective	4	Approved
1	CEE	452	Foundations	3	CE	3116	Foundation Engineering	4	Approved
1	CEE	475	Highway Geometric Design	3	CE	3121	Transportation Engineering	4	Rejected
1	CEE	485	Sustainable Civil and Environmental Systems Engineering	3	EX	4006	Exchange Technical Elective 6	4	Approved
1	CEE	494	Topic: Energy Efficient Buildings and Systems	3	EX	4003	Exchange Technical Elective	4	Approved
1	CEE	506	Life Cycle Assessment for Civil Systems	3	EX	4009	Exchange Technical Elective 9	4	Approved
1	CEE	507	Urban Infrastructure Anatomy and Sustainable Development	3	EX	4003	Exchange Technical Elective	4	Approved

At least 50% of the course is similar to CE2155 course content and about 25% similar to CE3121.

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1	MANA	201	Introduction to Business and Management	3	MNO	1001	Management And Organisation	4	Approved
1	ENGR	201	Professional Practice and Responsibility	1.5	EG	2401	Engineering Professionalism	3	Approved
1	COMP	218	Fundamentals of Programming	3	CS	1010	Programming Methodology	4	Approved
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	MANA	362	Human resource management	3	HR	2002	Human Capital in Organizations	3	Rejected
1	BLDG	366	Acoustics and Lighting	3.5	CE	3981	Exchange Technical Elective	4	Approved
1	CIVI	372	Transportation Engineering	3	CE	3121	Transportation Engineering	4	Approved
1	CIVI	390	Civil Engineering Design Project	3.5	CE	4103	Design Project	4	Rejected
1	CIVI	435	Foundation Design	3	CE	3116	Foundation Engineering	4	Approved
1	BCEE	451	Construction Engineering	3	EX	4004	Exchange Technical Elective	4	Approved
1	BCEE	452	Matrix Analysis of Structures	3	EX	4002	Exchange Technical Elective	4	Approved
1	BCEE	452	Matrix Analysis of Structures	3	CE	4257	Linear Finite Element Analysis	4	Rejected
1	CIVI	453	Design of Reinforced Concrete Structures	3.5	CE	4981	Exchange Technical Elective	4	Approved
1	BCCE	455	Introduction to Structural Dynamics	3	CE	4258	Structural Stability & Dynamic	4	Approved
1	BLDG	463	Building Envelope Design	3	CE	4982	Exchange Technical Elective	4	Approved

CIVI390 cannot be mapped to CE4103 (whereby CIVI490 Capstone Civil Engineering Design Project is more befitting). However, CIVI390 can be mapped to a Level-3000 TE if you have not done 1 before.

closer to CE3155

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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	BCEE	464	Project Cost Estimating	3	EX	4006	Exchange Technical Elective 6	4	Approved
1	BCEE	465	Construction Planning and Control	3	CE	5806	Construction Project and Site Control	4	Approved
1	CIVI	471	Highway and Pavement Design	4	CE	4981	Exchange Technical Elective	4	Approved
1	BLDG	471	HVAC System Design	4	EX	4004	Exchange Technical Elective	4	Approved
1	BLDG	474	Building Illumination and Daylighting	3	CE	4981	Exchange Technical Elective	4	Approved
1	BLDG	476	Thermal Analysis of Buildings	3	CE	4981	Exchange Technical Elective	4	Approved
1	BLDG	498	Topics in Building Engineering	3	CE	4981	Exchange Technical Elective	4	Approved
1	CIVI	498	Topics in Civil Engineering	3	CE	4981	Exchange Technical Elective	4	Approved

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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	AK	1213	Swedish Society, Culture and Industry in Historical Perspective	7.5	EU	1741	Department Exchange Module	4	Approved
1	AG	1819	GPS and Image Based Surveying	6	CE	3981	Exchange Technical Elective	4	Approved
1	AF	2003	Structural Engineering, Advanced	7.5	CE	3166	Structural Steel Design & Syst	4	Rejected
1	AF	2011	Structural Dynamics for Civil Engineers	7.5	CE	4258	Structural Stability & Dynamic	4	Approved
1	AK	2011	Technology and Ethics	7.5	EG	2401	Engineering Professionalism	3	Approved
1	AK	2017	Introduction to Research Ethics	3	EG	2401	Engineering Professionalism	3	Approved
1	AF	2101	Concrete Structure	7.5	EX	4116	Exchange Technical Elective	5	Approved
1	AE	2107	Modelling of Water Systems	7.5	CE	3981	Exchange Technical Elective	4	Approved
1	AG	2143	Sustainable Rural and Urban Development	7.5	CE	4982	Exchange Technical Elective	4	Approved
1	AG	2171	Future Studies and Forecasts	7.5	CE	4981	Exchange Technical Elective	4	Approved
1	AH	2171	Traffic Engineering and Management	7.5	CE	3121	Transportation Engineering	4	Approved
1	SG	2227	Uncertainty Analysis	6	CE	2407	Engrg & Uncertainty Analyses	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	Acoustics and Fire	7.5	CE	3981	Exchange Technical Elective	4	Approved
1	AG	2417	Web and Mobile GIS	7.5	CE	4981	Exchange Technical Elective	4	Approved

1	AE	2501	Environmental Impact Assessment	7.5	ESE	4408	Environmental Impact Assessment	4	Approved
1	AF	2507	Sustainable Buildings - Concept, Design, Construction	7.5	CE	4981	Exchange Technical Elective	4	Approved
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	EH	2720	Management of Projects	7.5	IE	4240	Project Management	4	Approved
1	AI	2807	Project for Construction Project Managers	7.5	CE	2183	Construction Project Mgmt	4	Rejected
1	AI	2807	Project for Construction Project Managers	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	AH	2905	Advanced Pavement Engineering Analysis and Design	7.5	CE	5204	Pavement Design & Rehab	4	Approved
1	SF	2940	Probability Theory	7.5	IE	2100	Probability Models With Applns	4	Approved

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1	AE	2610	Applied Hydrology	7.5	CE	3132	Water Resources Engineering	4	Rejected
1	AF	2201	Bridge Design	7.5	EX	4118	Exchange Technical Elective	5	Approved
1	AF	2401	Building Technology, Advanced Course	7.5	CE	5805	Construction Equipmt & Methods	4	Approved
1	AL	2140	Cleaner Production	7.5	EX	4117	Exchange Technical Elective	5	Approved
1	AF	2102	Concrete Structures, Advanced Course	7.5	CE	3165	Structural Concrete Design	4	Rejected
1	AF	2102	Concrete Structures, Advanced Course	7.5	CE	5510	Advanced Structural Concrete D	4	Rejected
1	AF	2102	Concrete Structures, Advanced Course	7.5	CE	4981	Exchange Technical Elective	4	Approved
1	AI	2809	Construction Management	7.5	CE	5806	Construction Project and Site	4	Rejected
1	AI	2809	Construction Management	7.5	CE	2183	Construction Project Mgmt	4	Approved
1	AL	2160	Environmental Management	7.5	CE	2184	Infrastructure & The Environmt	4	Rejected
1	AL	2160	Environmental Management	7.5	EX	4112	Exchange Technical Elective	2	Approved
1	AF	2024	Finite Element Methods in Analysis and Design	7.5	CE	4257	Linear Finite Element Analysis	4	Approved
1	AF	2609	Foundation Engineering	7.5	CE	3116	Foundation Engineering	4	Approved
1	AF	2611	Geotechnical Engineering, Advanced Course	7.5	CE	3115	Geotechnical Engineering	4	Approved
1	AE	2707	Governance of Land and Water	7.5	EX	3000	Exchange UEM	5	Approved
1	AE	2612	Hydraulic Engineering	7.5	CE	3132	Water Resources Engineering	4	Approved
1	AF	2903	Road Construction and Maintenance	7.5	CE	5204	Pavement Design & Rehab	4	Approved
1	AE	2602	Rock Mechanics	7.5	EX	4116	Exchange Technical Elective	5	Approved
1	AF	2213	Steel and Timber Structures	7.5	CE	3166	Structural Steel Design & Syst	4	Approved
1	AE	2507	Strategic Environmental Assessment	7.5	EX	4118	Exchange Technical Elective	5	Approved
1	AF	2003	Structural Engineering, Advanced Course7.5	12	CE	3155	Structural Analysis	4	Approved
1	AK	1213	Swedish Society, Culture and Industry in Historical Perspective	7.5	EU	1741	Department Exchange Module	4	Approved
1	AH	2303	Transport and Sustainable Development	7.5	CE	3121	Transportation Engineering	4	Rejected

1	AH	2303	Transport and Sustainable Development	7.5	CE	4221	Design of Land Transport Infra	4	Rejected
1	AH	2303	Transport and Sustainable Development	7.5	CE	5205	Transportation Planning	4	Rejected
1	AH	2303	Transport and Sustainable Development	7.5	CE	3102	Socio-economically sustainable	4	Approved
1	AG	2804	Transport, Communication and Sustainable Development	7.5	CE	3121	Transportation Engineering	4	Rejected
1	AG	2804	Transport, Communication and Sustainable Development	7.5	CE	4221	Design of Land Transport Infra	4	Rejected
1	AG	2804	Transport, Communication and Sustainable Development	7.5	EX	4113	Exchange Technical Elective	2	Approved
1	AG	2128	Urban Development and Planning	7.5	CE	2184	Infrastructure & The Environmt	4	Rejected
1	AG	2141	Urban Infrastructure	7.5	EX	4116	Exchange Technical Elective	5	Approved
1	AL	2130	Waste Management	7.5	ESE	3101	Solid And Hazardous Waste Mgmt	4	Approved
1	AE	2304	Water and Wastewater Handling	7.5	ESE	4401	Water & Wastewater Engineering 2	4	Approved

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1	CIVE	512	Advanced Civil Engineering Materials	3	CE	4982	Exchange Technical Elective	4	Approved
1	FRSL	101	Beginner French	3	LAF	1741	Department exchange module	4	Approved
1	CIVE	446	Construction Engineering	3	CE	5805	Construction Equipmt & Methods	4	Approved
1	CIVE	463	Design of Concrete Structures	3	CE	3165	Structural Concrete Design	4	Approved
2	FACC	400	Engineering Professional Practice	1	EG	2401	Engineering Professionalism	3	Approved
1	CIVE	388	Foundation and Concrete Design	3	CE	3165	Structural Concrete Design	4	Rejected
1	CIVE	451	Geoenvironmental Engineering	3	CE	3981	Exchange Technical Elective	4	Approved
1	CIVE	584	Groundwater Engineering	3	CE	5313	Groundwater Hydrology	4	Approved
1	ORGB	423	Human Resources Management	3	HR	2002	Human Capital in Organizations	3	Rejected
1	MGCR	211	Introduction to Financial Accounting	3	ACC	1002	Financial Accounting	4	Approved
1	FACC	100	Introduction to the Engineering Profession	1	EG	2401	Engineering Professionalism	3	Approved
1	MGCR	352	Principles of Marketing	3	MKT	1003	Principles of Marketing	4	Approved
1	CIVE	324	Sustainable Project Management	3	CE	2183	Construction Project Mgmt	4	Approved
1	CIVE	324	Sustainable Project Management	3	CE	2184	Infrastructure & The Environmt	4	Rejected
1	PHYS	183	The Milky Way Inside and Out	3	EX	1001	Exchange UEM	4	Approved
1	CIVE	319	Transportation Engineering	3	CE	3121	Transportation Engineering	4	Approved

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1	CIVE	540	Urban Transportation Planning	3	EX	4004	Exchange Technical Elective	4	Rejected
1	CIVE	540	Urban Transportation Planning	3	CE	5205	Transportation Planning	4	Approved
1	CIVE	550	Water Resources Management	3	EX	4003	Exchange Technical Elective	4	Rejected
1	CIVE	416	Geotechnical Engineering	3	CE	3116	Foundation Engineering	4	Approved
1	CHEM	181	World of Chemistry: Food	3	EX	1002	Exchange UEM	4	Approved
1	CIVE	463	Design of Concrete Structures	3	CE	3165	Structural Concrete Design	4	Approved

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1	CIVIL	BOM075	Drinking water engineering	7.5	CE	4981	Exchange Technical Elective	4	Approved
1	CIVIL	ENM135	Building service engineering design	7.5	CE	4981	Exchange Technical Elective	4	Approved
1	CIVIL	BOM250	Life cycle engineering	7.5	CE	4981	Exchange Technical Elective	4	Approved
1	MECH	TME141	Structural dynamics	7.5	CE	4981	Exchange Technical Elective	4	Approved
1	CIVIL	BOM165	Urban metabolism	7.5	CE	4981	Exchange Technical Elective	4	Approved
1	TSE	ENM015	Technical change and the environment	7.5	CE	4981	Exchange Technical Elective	4	Approved
1	ESE	KBT135	Waste management	7.5	CE	4981	Exchange Technical Elective	4	Approved
1	TSE	ENM130	Managing stakeholders for sustainable development	7.5	CE	4981	Exchange Technical Elective	4	Approved
1	CIVIL	BMT041	Infrastructural geo engineering	7.5	CE	4981	Exchange Technical Elective	4	Approved
1	CIVIL	BOM075	Drinking water engineering	7.5	CE	4981	Exchange Technical Elective	4	Approved
1	CIVIL	BOM065	Materials performance	7.5	CE	4981	Exchange Technical Elective	4	Approved
1	ESE	TEK465	Sustainable Transportation	7.5	CE	4981	Exchange Technical Elective	4	Approved
1	VGE	22	Engineering Geology	7.5	CE	3116	Foundation Engineering	4	Approved
1	CIVIL	VGE022	Engineering geology	7.5	CE	3116	Foundation Engineering	4	Approved
1	MECH	VSM167	Finite element method - basics	7.5	CE	4257	Linear Finite Element Analysis	4	Approved

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1	VMT	60	Road engineering	7.5	CE	5204	Pavement Design & Rehab	4	Approved
1	CIVIL	VBB122	Structural systems: Design and assessment	7.5	CE	3155	Structural Analysis	4	Approved
1	VBB	48	Concrete Structure	7.5	CE	3165	Structural Concrete Design	4	Approved
1	CIVIL	VBB048	Concrete structures	7.5	CE	3165	Structural Concrete Design	4	Approved
1	VSM	191	Steel Structures	7.5	CE	3166	Structural Steel Design & Syst	4	Approved
1	CIVIL	VSM191	Steel structures	7.5	CE	3166	Structural Steel Design & Syst	4	Approved
1	CIVIL	BOM190	Water contamination and remediation	7.5	ESE	4405	Urban Water Eng & Mgt	4	Rejected

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1	CIVENG	121	Advanced Structural Analysis	3	CE	3155	Structural Analysis	4	Approved
1	ECI	149	Air Pollution	4	CE	4981	Exchange Technical Elective	4	Rejected
1	CIVENG	218A	Air Quality Engineering	3	ESE	3201	Air Quality Management	4	Approved
1	GEL	28	Astrobiology	3	EX	2002	Exchange UEM	4	Approved
1	ECI	3	Civil Infrastructure and Society	4	CE	2184	Infrastructure & The Environmt	4	Rejected
1	ENGRCEE	60	Contemporary and Emerging Environmental Challenges	4	GEH	1003	Facing Global Environmental Ch	4	Approved
1	CIVENG	123N	Design of Reinforced Concrete Structures	3	CE	3165	Structural Concrete Design	4	Approved
1	CIVENG	122N	Design of Steel Structures	3	CE	3166	Structural Steel Design & Syst	4	Approved
1	ECI	153	Deterministic Optimization and Design	4	CE	4982	Exchange Technical Elective	4	Approved
1	ECN	151B	Economics of Human Resources	4	HR	2002	Human Capital in Organizations	3	Rejected
1	ECI	163	Energy and Environmental Aspects of Transportation	4	EX	4007	Exchange Technical Elective 7	4	Approved
1	CIV ENG	93	Engineering Data Analysis	3	CE	2407	Engrg & Uncertainty Analyses	4	Rejected
1	ECI	141	Engineering Hydraulics	3	CE	3132	Water Resources Engineering	4	Approved
1	CIVENG	114	Environmental Microbiology	3	ESE	3301	Environmental Microbio Prin	4	Approved
1	ENGRCEE	169	Environmental Microbiology for Engineers	4	ESE	3301	Environmental Microbio Prin	4	Approved

1	CIV ENG	175	Geotechnical and Geoenvironmental Engineering	3	CE	3115	Geotechnical Engineering	4	Approved
1	ECI	144	Groundwater Systems Design	4	CE	4981	Exchange Technical Elective	4	Approved
1	FLM&MDA	85A	Introduction to Film and Visual Analysis	4	GEH	1011	Film and History	4	Approved
1	ECI	201	Introduction to Theory of Elasticity	4	EX	4006	Exchange Technical Elective 6	4	Approved
1	ENGRCEE	283	Mathematical Methods in Engineering Analysis	4	CE	2407	Engrg & Uncertainty Analyses	4	Approved
1	CIV ENG	251	Operation of Transportation Facilities	3	CE	3121	Transportation Engineering	4	Rejected
1	ECI	179	Pavement Engineering	4	CE	3121	Transportation Engineering	4	Approved
1	EDU	120	Philosophical and Social Foundations of Education	4	EX	2001	Exchange UEM	4	Approved
1	ENGRCEE	151C	Reinforced Concrete Design	4	CE	3165	Structural Concrete Design	4	Approved
1	ECI	171L	Soil Mechanics Laboratory	1	EX	3613	Exchange UEM Module	2	Approved
1	ENGRCEE	151A	Structural Analysis	4	CE	3155	Structural Analysis	4	Approved
1	ECI	132	Structural Design: Metallic Elements	4	CE	3166	Structural Steel Design & Syst	4	Approved
1	CEE	155	Structural Steel Design	4	CE	3166	Structural Steel Design & Syst	4	Approved
1	ENGRCEE	155	Structural Steel Design	4	CE	3166	Structural Steel Design & Syst	4	Approved
1	ECI	190	The Civil Engineer in Society	2	EG	2401	Engineering Professionalism	3	Approved
1	ECI	161	Transportation System Operations	4	CE	3121	Transportation Engineering	4	Rejected
1	ECI	161	Transportation System Operations	4	CE	4981	Exchange Technical Elective	4	Approved
1	CEE	121	Transportation Systems I: Analysis and Design	4	CE	3121	Transportation Engineering	4	Approved
1	CIVENG	115	Water Chemistry	3	ESE	3401	Water & Wastewater Engineerg 1	4	Rejected
1	HIS	120	World War II	3	EX	2000	Exchange UEM	4	Approved

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1	CIV ENG	177	Foundation Engineering Design	3	CE	3116	Foundation Engineering	4	Approved
1	CIV ENG	C133	Engineering Analysis Using the Finite Element Method	3	CE	4257	Linear Finite Element Analysis	4	Approved
1	CIV ENG	248	Behavior and Plastic Design of Steel Structures	3	CE	5513	Plastic Analysis Of Structures	4	Approved
1	CIV ENG	225	Dynamics of Structures	3	CE	4258	Structural Stability & Dynamic	4	Approved
1	CIV ENG	C265	Traffic Safety and Injury Control	3	CE	4982	Exchange Technical Elective	4	Approved
1	CIV ENG	155	Transportation Systems Engineering	3	CE	5203	Traffic Flow & Control	4	Approved
1	CIV ENG	C177	Rock Mechanics	3	CE	3981	Exchange Technical Elective	4	Approved
1	CIV ENG	220N	Nonlinear Structural Analysis	3	CE	4981	Exchange Technical Elective	4	Approved
1	CIV ENG	277	Advanced Foundation Engineering	3	CE	3981	Exchange Technical Elective	4	Approved
1	ECI	143	Green Engineering Design and Sustainability	4	CE	3981	Exchange Technical Elective	4	Approved
1	ECI	175	Geotechnical Earthquake Engineering	4	CE	3982	Exchange Technical Elective	4	Approved
1	ECI	173	Foundation Design: Senior Design Experience	4	CE	3116	Foundation Engineering	4	Approved

1	ECI	138	Earthquake Loads on Structures	4	CE	4981	Exchange Technical Elective	4	Approved
1	CE	154	Chemical Fate and Transport in Aquatic Environments.	4	EX	4117	Exchange Technical Elective	4	Approved
	ENG	103	Fluid Mechanics	4	CE	2134	Hydraulics	4	Approved
1	CE	130	Experimental Structural Mechanics.	4	CE	3982	Exchange Technical Elective	4	Rejected
1	CIV ENG	246	Prestressed Concrete Structures	3	EX	4003	Exchange Technical Elective	4	Approved
1	CIV ENG	165	Concrete Materials, Construction, and Sustainability	3	CE	5604	Advanced Concrete Technology	4	Approved
1	CIV ENG	180	Life-Cycle Design and Construction	4	EX	4116	Exchange Technical Elective	5	Approved

Vanderbilt_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	4401	Advanced Construction Project Management	3	EX	4002	Exchange Technical Elective	4	Approved
1	CE	4200	Advanced Structural Steel Design	3	CE	5509	Advanced Structural Steel Desi	4	Approved
1	CE	5200	Advanced Structural Steel Design	3	EX	4001	Exchange Technical Elective	4	Approved
1	CE	4405	Construction Estimating	3	EX	4003	Exchange Technical Elective	4	Approved
1	CE	5405	Construction Estimating	3	CE	5603	Engineering Economics & Projec	4	Rejected
1	CE	4400	Construction Project Management	3	CE	2183	Construction Project Mgmt	4	Approved
1	MUSL	1640	Country Music	3	EX	1000	Exchange UEM	4	Approved
1	CE	3600	Environmental Engineering	3	ESE	3001	Water Quality Engineering	4	Approved
1	CE	6210	Finite Element Analysis	3	CE	4257	Linear Finite Element Analysis	4	Approved
1	CE	4250	Foundation Analysis Design	3	CE	3116	Foundation Engineering	4	Approved
1	CE	4205	Intelligent Transport System	3	TP	5025	Intelligent Transportation Sys	4	Approved
1	CE	4300	Reliability and Risk Case Studies	3	EX	4003	Exchange Technical Elective	4	Approved
1	CE	3205	Structural Design	3	CE	3166	Structural Steel Design & Syst	4	Approved
1	CE	4510	Traffic Engineering	3	CE	3121	Transportation Engineering	4	Rejected
1	CE	4510	Traffic Engineering	3	CE	5203	Traffic Flow & Control	4	Approved
1	CE	3601	Transportation Systems Engineering	3	CE	3121	Transportation Engineering	4	Approved

Alberta_Sem 1

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1	ENV E	432	Solid Waste Management	3	ESE	3101	Solid And Hazardous Waste Mgmt	4	Approved
1	ENV E	423	Principles of Air Quality Management and Control	3	ESE	3201	Air Quality Management	4	Approved
1	ENV E	324	Biological Processes	3.8	ESE	3401	Water & Wastewater Engineerg 1	4	Approved
1	CIV E	622	Physical/Chemical Water and Wastewater Treatment	3	ESE	3401	Water & Wastewater Engineerg 1	4	Approved
1	CIV E	601	Project Management	3	CE	2183	Construction Project Mgmt	4	Rejected
1	ENV E	421	Municipal Systems	3.8	ESE	4616	Exchange Technical Elective 1	4	Approved
1	ENV E	322	Environmental Protection	3	ESE	4617	Exchange Technical Elective 2	4	Approved
1	ECON	204	Principles of Economics	3	EC	1301	Principles of Economics	4	Rejected
1	POL S	101	Introduction to Politics	3	ESE	4612	Exchange Unrestricted Elective	4	Remapping Required
1	SOC	100	Introductory Sociology	3	ESE	4612	Exchange Unrestricted Elective	4	Remapping Required

UG not allowed to
take this GD mod

can be mapped to
dummy level-1000
UEM
can be mapped to
dummy level-1000
UEM
can be mapped to
dummy level-1000
UEM

Pittsburgh_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	CEE	1340	Concrete Structures 1	3	CE	3165	Structural Concrete Design	4	Approved
1	CEE	1203	Construct Profssn Development	3	CE	3981	Exchange Technical Elective	4	Approved
1	CEE	1833	Geotechnical Design Project	3	EX	4001	Exchange Technical Elective	4	Approved
1	CEE	1503	Intro to Envi. Eng	3	CE	3981	Exchange Technical Elective	4	Rejected
1	CEE	1503	Intro to Envi. Eng	3	EX	2007	Exchange UEM 1	4	Approved
1	CE	1711	ITS Operation and design	3	TP	5025	Intelligent Transportation Sys	4	Approved
1	ANTH	1784	Japanese Society	3	EX	1000	Exchange UEM	4	Approved
1	ANTH	1784	Japanese Society	3	EX	2007	Exchange UEM 1	4	Approved
1	CEE	1714	Pavement design & analysis	3	CE	5204	Pavement Design & Rehab	4	Approved
1	CEE	1333	Structural Design Project	3	CE	4103	Design Project	4	Approved
1	CEE	2700	Traffic Management and Operations	3	CE	3961	Exchange Unrestricted Elective	4	Approved
1	CEE	1703	Transport Engineering	3	CE	3121	Transportation Engineering	4	Approved
1	CEE	1703	Transport Engineering	3	CE	5205	Transportation Planning	4	Approved
1	CEE	1733	Transportation design project	3	EX	4002	Exchange Technical Elective	4	Approved
1	CEE	1710	Transportation system analysis 1	3	EX	4003	Exchange Technical Elective	4	Rejected
1	CEE	1710	Transportation Systems Anal 1	3	CE	3121	Transportation Engineering	4	Approved

Karlsruhe_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	-	6241836	Building Information Modeling (BIM)	6	CE	4282	Building Information Modeling	4	Approved
1	DB	120	General-Language German course level B 1,2	4	LAG	3731	Department Exchange Module	3	Rejected
1	DB	120	General-Language German Level 1,2	4	LAG	4752	Department Exchange Module	5	Approved
2	-	6222703	Design of Hydraulic Structures	3	CE	3982	Exchange Technical Elective	4	Approved
1	-	6213801	Holzbau	6	CE	3981	Exchange Technical Elective	4	Approved
1	-	6222701	Multiphase Flow in Hydraulic Engineering	3	CE	3982	Exchange Technical Elective	4	Approved
1	-	6233803	Transport, Planning, and Right of way	3	CE	4982	Exchange Technical Elective	4	Approved
1	WATERSCI	6223701	Urban Water Infrastructure and Management	6	CE	4981	Exchange Technical Elective	4	Approved
1	BAUIM4P3	6241803	Building Laws	3	CE	3962	Exchange Unrestricted Elective	4	Approved
1	ANGEOTEC	6251810	Gründungen, Stützkonstruktionen und Baugruben	3	CE	3116	Foundation Engineering	4	Approved
2	ANGEOTEC	6251812	Sonderkonstruktionen und Bemessung im Grundbau	3					
1	STABISTB	6211801	Aussteifung und Stabilität im Stahlbetonbau	6	CE	3165	Structural Concrete Design	4	Approved
1	STAHLBAU	6212801	Stahl- und Stahlverbundbau	6	CE	3166	Structural Steel Design & Syst	4	Approved
1	VERMODEL	6232701	Berechnungsverfahren und Modelle in der Verkehrsplanung	3	CE	3121	Transportation Engineering	4	Approved
2	VERMODEL	6232703	Straßenverkehrstechnik	3					
1	VERMANAG	6232802	Verkehrsmanagement und Telematik	3	CE	3121	Transportation Engineering	4	Rejected

Illinois_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	422	Construction Cost Analysis	3	CE	3981	Exchange Technical Elective	4	Approved
1	CEE	528	Construction Data Modeling	4	EX	4004	Exchange Technical Elective	4	Approved
1	CEE	498	Construction Equipment and	3	CE	5805	Construction Equipment and	4	Approved
1	CEE	526	Construction Optimization	4	EX	4003	Exchange Technical Elective	4	Approved
1	CEE	421	Construction Planning	3	CE	3981	Exchange Technical Elective	4	Approved
1	FSHN	120	Contemporary Nutrition	3	FST	2201	Intro to Human Nutrition	4	Rejected
1	FSHN	120	Contemporary Nutrition	3	FST	1991	Exchange Enrichment Level 1000	4	Approved
1	CEE	202	Engineering Risk and Uncertainty	3	CE	2407	Engrg & Uncertainty Analyses	4	Approved
1	CEE	380	Geotechnical Engineering	3	CE	3115	Geotechnical Engineering	4	Approved
1	CEE	412	High-speed Rail Engineering	3	CE	4981	Exchange Technical Elective	4	Approved
1	KOR	203	Intermediate Korean I	5	LAK	2201	Korean 2	4	Rejected
1	KOR	203	Intermediate Korean I	5	LAK	3741	Department exchange module	4	Approved
1	CEE	512	Logistics Systems Analysis	4	CE	4982	Exchange Technical Elective	4	Approved
1	FSHN	220	Principles of Nutrition	3	FST	2201	Intro to Human Nutrition	4	Approved
1	CEE	398	Project Based Learning in CEE	2	EX	1012	Exchange UEM	3	Approved
1	CEE	408	Railroad Transportation Engrg	3	CE	4981	Exchange Technical Elective	4	Rejected
1	CEE	408	Railroad Transportation Engrg	3	EX	4006	Exchange Technical Elective 6	4	Approved
1	CEE	461	Reinforced Concrete I	3	CE	3165	Structural Concrete Design	4	Approved
1	CEE	463	Reinforced Concrete II	3	CE	5510	Advanced Structural Concrete D	4	Approved
1	CEE	483	Soil Mechanics and Behavior	4	EX	4005	Exchange Technical Elective	3	Approved
1	CEE	460	Steel Structures I	3	CE	3166	Structural Steel Design & Syst	4	Approved
1	CEE	462	Steel Structures II	3	EX	4002	Exchange Technical Elective	4	Approved
1	CEE	472	Structural Dynamics I	3	CE	4258	Structural Stability & Dynamic	4	Approved
1	CEE	424	Sustainable Construction Methods	4	EX	4001	Exchange Technical Elective	4	Approved
1	CEE	310	Transportation Engineering	3	CE	3121	Transportation Engineering	4	Approved
1	CEE	417	Urban Transportation Planning	4	CE	4982	Exchange Technical Elective	4	Approved
1	CEE	433	Water Technology and Policy	3	EX	4002	Exchange Technical Elective	4	Approved

NatTaiwanU of S&T_Sem2

<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	100330	Occupational Ethics	3	EG	2401	Engineering Professionalism	3	Rejected
1	CT	3403301	Foundation Engineering	3	CE	3116	Foundation Engineering	4	Approved
1	CT	3200301	Structural Analysis	3	CE	3155	Structural Analysis	4	Approved
1	CT	3305701	Advanced Reinforced Concrete Design	3	CE	3165	Structural Concrete Design	4	Approved
1	CT	6201701	Principles & Practice of High- Performance Concrete	3	CE	5604	Advanced Concrete Technology	4	Approved
1	CT	6005701	Earthquake-Resistant Design	3	CE	3982	Exchange Technical Elective	4	Approved
1	CT	5821701	Seismic Evaluation and Retrofit Design of Structures	3	CE	4982	Exchange Technical Elective	4	Approved
1	CT	6303701	Advanced Behavior and Design of Steel Structure	3	CE	4982	Exchange Technical Elective	4	Approved
1	CT	9701701	Special Topics in Disaster Prevention	3	CE	4981	Exchange Technical Elective	4	Approved
1	TC	1003301	Occupational Ethics	3	EG	2401	Engineering Professionalism	3	Approved

Toronto_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	CIV	518H1	Behaviour and Design of Steel Structures	3	CE	3166	Structural Steel Design & Syst	4	Approved
1	CIV	580H1S	Engineering and Management of Large Projects	3	CE	5804	Global Infrastructure Project	4	Approved
1	CIV	488H1	Entrepreneurship and Business for Engineers	3	EX	4003	Exchange Technical Elective	4	Approved
1	MGT	201	FINANCIAL ACCOUNTING	0.5	ACC	1002	Financial Accounting	4	Approved
1	RSM	220	FINANCIAL ACCOUNTING	0.5	ACC	1002	Financial Accounting	4	Approved
1	CIV	324H1	Geotechnical Engineering II	3	CE	3116	Foundation Engineering	4	Approved
1	CIV	250H1	Hydraulics and Hydrology	3	CE	3132	Water Resources Engineering	4	Approved
1	RSM	270	Operations Management	0.5	DSC	2006	Operations Management	4	Approved
1	RSM	250	Principle of Marketing	0.5	MKT	1003	Principles of Marketing	4	Approved
1	CIV	313H1	Reinforced Concrete I	3	CE	3165	Structural Concrete Design	4	Approved
1	CIV	510H1	Solid Mechanics 2	3	CE	3155	Structural Analysis	4	Approved
1	CIV	332H1	Transport II - Performance	3	CE	3121	Transportation Engineering	4	Approved

Sydney_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	3206	Steel Structures 1	6	CE	3166	Structural Steel Design & Syst	4	Approved
1	ACCT	1006	Accounting and Financial Management	6	ACC	1002X	Financial Accounting	4	Approved
1	CIVL	4903	Civil Engineering Design	6	CE	4103	Design Project	4	Approved
1	INFO	1103	Introduction to Programming	6	CS	1010E	Programming Methodology	4	Approved
1	MKTG	1001	Marketing Principles	6	MKT	1003X	Principles of Marketing	4	Approved
1	PSYC	1002	Psychology 1002	6	PL	1101E	Introduction to Psychology	4	Approved
1	ECON	1002	Introductory Macroeconomics	6	EC	1301	Principles of Economics	4	Rejected
1	ENGG	1805	Professional Engineering And IT	6	EG	2401	Engineering Professionalism	3	Rejected
1	CIVL	3205	Concrete Structures 1	6	CE	3165	Structural Concrete Design	4	Approved
1	CIVL	2700	Transport Systems	6	CE	3121	Transportation Engineering	4	Rejected
1	CIVL	4811	Engineering Design and Construction	6	CE	5805	Construction Equipmt & Methods	4	Approved
1	CIVL	4815	Project Formulation	6	CE	5603	Engineering Economics & Projec	4	Approved
1	CIVL	3703	Transport Policy, Planning and Deployment	6	CE	3121	Transportation Engineering	4	Rejected

can be mapped to Level-2000 UEM

can map to TP5026 Transport Management and Policy

TechnionIsrael_Sem2

Mapping Seq Nbr	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	14617	Planning and Control of Construction Projects	3	CE	5806	Construction Project and Site	4	Approved
1	14606	Introduction to Construction Management	3	CE	2183	Construction Project Mgmt	4	Approved
1	14320	Water Chemistry	3.5	CE	3982	Exchange Technical Elective	4	Approved
1	14613	Human Resource Management in Construction	2.5	CE	3982	Exchange Technical Elective	4	Rejected
1	14703	Introduction to Transportation Planning	4	CE	5205	Transportation Planning	4	Approved
1	324863	Archeology and History in the Holy Land: From Antiquity to the Early Middle Ages	1.5	EX	1005	Exchange UEM 1	4	Approved
2	324055	Topics in the History of the Jewish People	1.5					

EcolePolyFeddeLausanne_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	ENV	508	Analyse et management des risques industriels	3	CE	4982	Exchange Technical Elective	4	Approved
1	HUM	347	Comportement Organisationnel B	2	HR	2002	Human Capital in Organizations	3	Rejected
1	CIVIL	350	Conception et gestion des systemes de transport	5	CE	3121	Transportation Engineering	4	Rejected
1	CIVIL	350	Conception et gestion des systems de transport	5	CE	4221	Design of Land Transport Infra	4	Approved
1	CIVIL	557	Decision-aid methodologies in transportation	4	CE	4982	Exchange Technical Elective	4	Approved
1	HUM	271	Ethique sociale et politique B	2	EG	2401	Engineering Professionalism	3	Approved
1	UNKNO WN	UNKNO WN	German Integrated Skills Module	3	LAG	1741	Department Exchange Module	4	Approved
1	CIVIL	321	Modélisation numérique des solides et structures	4	CE	5105	Analytical & Numerical Methods	4	Approved
1	CIVIL	306	Ouvrages Geotechniques	5	CE	3116	Foundation Engineering	4	Approved
1	CIVIL	522	Seismic Engineering	3	CE	4981	Exchange Technical Elective	4	Approved
1	CIVIL	235	Structures en metal	5	CE	3166	Structural Steel Design & Syst	4	Approved

Warsaw_Sem 2

Mapping Seq Nbr	PU Module Subject	PU Module Title	PU Module Units	NUS Subject Area	NUS Catalog Nbr	NUS Module Title	NUS Module MC	Mapping Status
1	BORGMC	Basics of Organization and Management Construction	5	CE	4981	Exchange Technical Elective	4	Approved
1	BAUNST	Basics of Underground Structures	2	CE	3981	Exchange Technical Elective	4	Approved
1	CONCR2	Concrete Structures II	5	CE	3165	Structural Concrete Design	4	Approved
1	HCCP	Contemporary Philosophy	2	PH	2741	Department Exchange Module	4	Approved
2	ENGEOL	Engineering Geology	3	CE	3981	Exchange Technical Elective	4	Approved
1	MESTR2	Mechanics of Structures II	5	CE	4258	Structural Stability & Dynamic	4	Approved
1	KONMET	Metal Structures II	5	CE	3166	Structural Steel Design & Syst	4	Approved
1	HCPMW	Philosophy in the Modern World	2	PH	1701	Philosophy Exchange Module	4	Rejected
1	HCPMW	Philosophy in the Modern World	2	PH	1741	Department Exchange Module	4	Approved
1	MAINST	Physics I - Mainstreams of Modern	3	PC	1144	Introduction to Modern Physics	4	Approved
1	UNIVR	Physics I - Universe	3	PC	1322	Understanding the Universe	4	Approved
1	SOILE2	Soil Mechanics and Geotechnical	5	CE	3116	Foundation Engineering	4	Approved
1	TOBW1	Technology and Organisation of	4	CE	4982	Exchange Technical Elective	4	Approved
1	TRAN2	Transportation Engineering II	3	CE	3121	Transportation Engineering	4	Rejected
1	TRAN2	Transportation Engineering II	3	CE	3121	Transportation Engineering	4	Approved
2	TRAN1	Transportation Engineering I	4					

Texas A&M_Sem 2

<u>Mapping Nbr</u>	<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	483-500	ANALYSIS AND DESIGN OF STRUCTURES	3	CE	3155	Structural Analysis	4	Rejected
	1	CVEN	349	Civil Engineering Project Management	3	CE	2183	Construction Project Mgmt	4	Approved
	1	ENGR	473	Engineering Project Planning and Estimating	3	CE	5806	Construction Project and Site	4	Rejected
	1	CVEN	365	INTRODUCTION TO GEOTECHNICAL ENGINEERING	3	CE	3115	Geotechnical Engineering	4	Rejected
	1	CVEN	444-501	STRUCTURAL CONCRETE DESIGN	3	CE	3165	Structural Concrete Design	4	Approved
	1	CVEN	446-503	Structural Steel Design	3	CE	3166	Structural Steel Design & Syst	4	Approved
	1	CVEN	345	Theory of Structures	3	CE	3155	Structural Analysis	4	Approved
	1	CVEN	307-501	Transportation Engineering	3	CE	3121	Transportation Engineering	4	Approved
	1	CVEN	339-501	Water Resources Engineering	3	CE	3132	Water Resources Engineering	4	Approved

can be mapped to a dummy TE

can be mapped to CE2155

UnivofNewSouthWales_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	CVEN	4301	Advanced Concrete Structures	6	CE	3165	Structural Concrete Design	4	Rejected
1	CVEN	4103	Engineering Contracts	6	CE	3981	Exchange Technical Elective	4	Approved
1	CVEN	3101	Engineering Operations and Control	6	CE	4982	Exchange Technical Elective	4	Approved
1	CVEN	9806	Prestressed Concrete	6	CE	3165	Structural Concrete Design	4	Rejected
1	CVEN	3202	Soil Mechanics	6	CE	3116	Foundation Engineering	4	Rejected
1	CVEN	3303	Steel Structures	6	CE	3166	Structural Steel Design & Syst	4	Approved
1	CVEN	4104	Sustainability in Construction	6	CE	4981	Exchange Technical Elective	4	Approved
1	CVEN	2401	Sustainable Transport & Highway Engineering	6	CE	3121	Transportation Engineering	4	Approved
1	CVEN	2402	Transport Engineering & Environmental Sustainability	6	CE	3121	Transportation Engineering	4	Rejected

can be mapped
CE5510

can be mapped
CE2112

can be mapped
to a dummy
code level-
3000 TE

Newcastle_Sem 2

<u>Mapping Seq Nbr</u>	<u>PU Module Subject</u>	<u>PU Module Course</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	CEG	2607	Geomicrobiology	10	ESE	3301	Environmental Microbio Prin	4	Approved
1	CEG	2101	Treatment of Water and	10	ESE	3401	Water & Wastewater Engineerg 1	4	Approved
1	CEG	2002	Statistics and Numerical Methods for Civil Engineers	10	CE	2407	Engrg & Uncertainty Analyses	4	Approved
1	CEG	1303	Engineering Materials	10	CE	2155	Struc Mechanics & Materials	4	Approved
1	CEG	1201	Geotechnical Properties of Soils and Rocks	10	CE	2112	Soil Mechanics	4	Approved
1	INU	1005	Academic Reading and Writing	10	ES	1531	Critical Thinking And Writing	4	Rejected
1	CEG	3703	Professional Practice	10	EG	2401	Engineering Professionalism	3	Pending Approval
1	CEG	2501	Hydraulics	10	CE	2134	Hydraulics	4	Approved

Tampere_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	DEE	53117	Solar Power Systems	5	ESE	4618	Exchange Technical Elective 3	4	Approved
1	KEB	23106	Industrial Microbiology	3	ESE	3301	Environmental Microbio Prin	4	Approved
1	DEE	53106	Introduction to Renewable	3	EX	3894	Exchange Technical Elective	2	Approved
1	ARK	24106	Landscape Architecture	7	AR	1724	Introduction To Landscape Arch	4	Approved
1	KEB	24306	Remediation of Contaminated Environment	3	EX	3895	Exchange Technical Elective	2	Approved
1	KEB	1520	LCA in Energy and Environmental Engineering	3	EX	4116	Exchange Technical Elective	5	Approved
2	KEB	24306	Remediation of Contaminated Environment	3					
1	RAK	2363	Geoenvironmental Engineering	8	EX	4114	Exchange Technical Elective	3	Approved
2					EX	4115	Exchange Technical Elective	3	Approved
1	MOL	12206	Materials for Energy	5	ESE	4617	Exchange Technical Elective 2	4	Approved
1	RAK	3304	Dynamics of Structures	5	CE	2407	Engrg & Uncertainty Analyses	4	Rejected
1	TIE	40206	Cross-Cultural Design	3	EX	4045	Exchange UEM	3	Rejected
1	TIE	21026	Cross Cultural Design	3	EX	2015	Exchange UEM	2	Approved
1	KIE	800	Intercultural Communication Skills	3	EX	1020	Exchange UEM	2	Approved
1	MOL	53257	Thin Film Technologies	4	EX	2050	Exchange UEM	5	Approved
2	TLO	25056	Transport Transformation	4					
1	TLO	35306	Global Information Systems	4	EX	2015	Exchange UEM	2	Approved
1	DEE	24106	Electric Power Systems	5	ESE	4617	Exchange Technical Elective 2	4	Approved