31	31		2	2		
U10101		2	WSH201		2	
U10102	Applied Fluid Dynamics	2		Advanced Fluid Mechanics		
U11401		2	WSH206		2	
U11402	Advanced Solid Mechanics	2		Advanced Solid Mechanics		
U10301		2	WSH207		2	
U10302	Control System Design	2	WSH208	Control System Design	2	
U10401		2	WSH202		2	
U10403	Advanced Machinery Dynamics	2		Advanced Machinery Dynamics		
U10501		2	WSH203		2	
U10502	Advanced Reactive Gas Dynamics	2		Advanced Reactive Gas Dynamics		
U10601		2	WSH209		2	
U10602	Mechanical Engineering Design	2	-			
U10701		2	WSH210		2	
U10702	Advanced Autonomous Systems Engineering	2	WSH211	Advanced Autonomous Systems Engineering	2	
U20101		2	WSH212		2	
U20102	Advanced Thermal Engineering	2		Advanced Thermal Engineering		
U20801		2	WSH220		2	
U21102	Advanced Energy Plant	2	WSH221	Advanced Energy Plant	2	
U10801		2	-			
U10802	Advanced Engineering Vibrations					
U10901		2	-			
U11001		2	WSH222		2	
U20702	Advanced Microstructure of Materials	2	WSH219	Advanced Microstructure of Materials	2	
U20501		2	WSH204		2	
U20502	Mechanical Behavior and Strength of Engineering Materials	2	WSH205	Mechanical Behavior and Strength of Engineering Materials	2	
U11101		2	WSH223		2	
U21701		2	WSH227		2	
U18101	I	2	WSH301		2	
U18201	II	2	WSH302		2	
U18301	III	2	WSH303		2	
U18401	IV	2	WSH304		2	
U18501	V	2	WSH305		2	
U18601	VI	2	WSH306		2	
U32001	I	2	WSG201		2	
U32002	Mathematics I	2		Mathematics A		
U32301	IV	2	WSG204		2	
U15801	IA	1	U15801	IA	1	
	Mechanical Systems Engineering Research IA	1		Mechanical Systems Engineering Research IA	1	
U15803	IB	1	U15803	IB	1	
	Mechanical Systems Engineering Research IB	1		Mechanical Systems Engineering Research IB	1	
U15901	IIA	1	U15901	IIA	1	
	Mechanical Systems Engineering Research IIA	1		Mechanical Systems Engineering Research IIA	1	
U15903	IIB	1	U15903	IIB	1	
	Mechanical Systems Engineering Research IIB	1		Mechanical Systems Engineering Research IIB	1	
U16001	IA	1	U16001	IA	1	
	Mechanical Systems Engineering Seminar IA	1		Mechanical Systems Engineering Seminar IA	1	
U16003	IB	1	U16003	IB	1	
	Mechanical Systems Engineering Seminar IB	1		Mechanical Systems Engineering Seminar IB	1	
U16101	IIA	1	U16101	IIA	1	
	Mechanical Systems Engineering Seminar IIA	1		Mechanical Systems Engineering Seminar IIA	1	
U16103	IIB	1	U16103	IIB	1	
	Mechanical Systems Engineering Seminar IIB	1		Mechanical Systems Engineering Seminar IIB	1	

31	31		2	2		
U40101		2	-			
U40302	Software Reliability Engineering	2	WSN208	Dependable Computing	2	
U43401		2	WSN211		2	
U43202	Database Engineering	2	WSN203	Database Engineering	2	
U40902	Embedded Software	2	-			
U41002	Embedded Hardware	2	WSN202	Embedded System	2	
U43302	Information Security	2	WSN204	Cryptography	2	
U43501	Machine Learning	2	WSN221		2	
U41102	Advanced Parallel Architectures and Algorithms	2	WSN201	Advanced Parallel Architectures and Algorithms	2	
U41201		2	WSN214		2	
U42802	Applied Mechano-informatics	2	WSN207	Applied Mechano-informatics	2	
U41501		2	WSN212		2	
U43701	Mobile Computing	2	WSN206	Mobile Computing	2	
U43601		2	-			
U41902	Formal Language Theory	2	WSN205	Computational Complexity Theory	2	
U42001		2	WSN217		2	
U42202	Analysis in Mathematical Science	2	WSN219	Analysis in Information Science	2	
U42302	Data Management	2	WSN220	Data Management	2	
U42501		2	WSN213		2	
U43101		2	WSN210		2	
U43801	Artificial and Natural Intelligence	2	WSN209	Artificial and Natural Intelligence	2	
U32401		2	WSG214		2	
U32402	Advanced Applied Mathematical Sciences	2		Advanced Applied Mathematical Sciences		
U30901		2	WSG210		2	
U30902	Hyper Human Engineering	2		Hyper Human Engineering		
U32101	II	2	WSG202		2	
U32202	Mathematics III	2	WSG203		2	
U32301	IV	2	WSG204		2	
U48101		2	WSN301	A	1	
U48201		2	WSN302	B	1	
U48301		2	WSN303	C	1	
U48401		2	WSN304	D	1	
U45801	IA	1	U45801	IA	1	
	Directed Study in Information Engineering IA	1		Directed Study in Information Engineering IA	1	
U45803	IB	1	U45803	IB	1	
	Directed Study in Information Engineering IB	1		Directed Study in Information Engineering IB	1	
U45901	IIA	1	U45901	IIA	1	
	Directed Study in Information Engineering IIA	1		Directed Study in Information Engineering IIA	1	
U45903	IIB	1	U45903	IIB	1	
	Directed Study in Information Engineering IIB	1		Directed Study in Information Engineering IIB	1	
U46001	IA	1	U46001	IA	1	
	Seminar in Information Engineering IA	1		Seminar in Information Engineering IA	1	
U46003	IB	1	U46003	IB	1	
	Seminar in Information Engineering IB	1		Seminar in Information Engineering IB	1	
U46101	IIA	1	U46101	IIA	1	
	Seminar in Information Engineering IIA	1		Seminar in Information Engineering IIA	1	
U46103	IIB	1	U46103	IIB	1	
	Seminar in Information Engineering IIB	1		Seminar in Information Engineering IIB	1	

31	31		2	2		
U60201		2	WSE201		2	
U60202	Advanced Catalysis Chemistry	2		Advanced Porous Material		
U60301		2	WSE203		2	
U60302	Advanced Applied Inorganic Chemistry	2		Advanced Inorganic Materials Chemistry		
U60401		2	WSE202		2	
U60402	Organic Materials Chemistry	2		Organic Material Chemistry		
U60501		2	WSE204		2	
U60502	Advanced Synthetic Polymer Chemistry	2		Advanced Synthetic Polymer Chemistry		
U62103		2	WSE205		2	
U62102	Functional Dye Chemistry	2		Functional Dye Chemistry		
U60601		2	WSE206		2	
U60602	Advanced Analytical Chemistry	2		Materials Analytical Chemistry		
U62001		2	WSE207		2	
U62002	Supramolecular Chemistry	2		Supramolecular Chemistry		
U62401		2	WSE208		2	
U62402	Polymer Materials Chemistry	2		Advanced Synthetic Polymer Chemistry		
U61001		2	WSE210		2	
U61301		2	WSE211		2	
U61401		2	WSE212		2	
U61801		2	WSE213		2	
U61901		2	-			
U62201		2	-			
U62301		1	WSE214		1	
U50101		2	WSF201		2	
U50102	Advanced Equilibrium and Transport Properties	2		Advanced Equilibrium and Transport Properties		
U50301		2	-			
U50302	Green Process Engineering	2				
U50401		2	WSF202		2	
U50402	Fine Particle Technology	2		Fine Particle Technology		
U50501		2	WSF203		2	
U50502	Advanced Mass Transfer	2		Advanced Mass Transfer		
U50601		2	WSF204		2	
U50602	Advanced Heat Transfer Engineering	2		Advanced Heat Transfer Engineering		
U50701		2	WSF205		2	
U50702	Fluid Dynamics Analysis	2		Fluid Dynamics Analysis		
U68101	I	1	WSE301		1	
U68201	II	1	WSE302		1	
U68301	III	1	WSE303		1	
U68401	IV	1	WSE304		1	
U65801	IA	1	U65801	IA	1	
	Directed Study in Applied Chemistry IA	1		Directed Study in Applied Chemistry IA	1	
U65803	IB	1	U65803	IB	1	
	Directed Study in Applied Chemistry IB	1		Directed Study in Applied Chemistry IB	1	
U65901	IIA	1	U65901	IIA	1	
	Directed Study in Applied Chemistry IIA	1		Directed Study in Applied Chemistry IIA	1	
U65903	IIB	1	U65903	IIB	1	
	Directed Study in Applied Chemistry IIB	1		Directed Study in Applied Chemistry IIB	1	
U66001	IA	1	U66001	IA	1	
	Seminar in Applied Chemistry IA	1		Seminar in Applied Chemistry IA	1	
U66003	IB	1	U66003	IB	1	
	Seminar in Applied Chemistry IB	1		Seminar in Applied Chemistry IB	1	
U66101	IIA	1	U66101	IIA	1	
	Seminar in Applied Chemistry IIA	1		Seminar in Applied Chemistry IIA	1	
U66103	IIB	1	U66103	IIB	1	
	Seminar in Applied Chemistry IIB	1		Seminar in Applied Chemistry IIB	1	

31	31		2	2		
U72601		2	WSM201		2	
U72602	Advanced Geotechnical Engineering	2		Geotechnical Engineering		
U70201		2	WSM203		2	
U70202	Advanced Structural Concrete	2		Advanced Structural Concrete		
U70301		2	WSM202		2	
U70302	Advanced Structural Engineering	2		Advanced Structural Engineering		
U70402	Infrastructure and Regional Planning	2	WSM208	Infrastructure and Regional Planning	2	
U72002	Advanced Environmental Systems Engineering	2	WSM214	Advanced Environmental Systems Engineering	2	
U72102	Environmental Fluid Mechanics	2	WSM205	Environmental Fluid Mechanics	2	
U70601		2	WSM207		2	
U70602	Advanced Environmental Protection Engineering	2		Advanced Environmental Protection Engineering		
U70701		2	WSM212		2	
U70702	Advanced Meteorology	2		Advanced Meteorology		
U70801		2	WSM206		2	
U70802	Advanced Environmental Coastal Engineering	2		Advanced Environmental Coastal Engineering		
U72202	Management of Natural Disasters	2	WSM204	Management of Natural Disasters	2	
U72302	Advanced Technical English Writing for Civil and Environmental Engineering	2	WSM209	Advanced Technical English Writing for Civil and Environmental Engineering	2	
U71001		2	WSM210		2	
U71002	Advanced Structural Materials	2		Advanced Structural Materials		
U71102	Transportation Engineering	2	-			
U71902	Regional and Urban Engineering	2	-			
U72402	Advanced River Engineering	2	WSM211	Advanced River Engineering	2	
U72501		2	-			
U71502	Advanced Meteorological Engineering	2				
U71601		2	WSM213		2	
U71602	Environmental risk management	2		Environmental risk management		
U77101	I	1	-			
U77201	II	1	-			
U77301	III	1	-			
U77401	IV	1	-			
U78101	I	1	WSM301	A	1	
U78201	II	1	WSM302	B	1	
U78301	III	1	WSM303	C	1	
U78401	IV	1	WSM304	D	1	
U75801	IA	1	U75801	IA	1	
	Civil and Environmental Engineering Research IA	1		Civil and Environmental Engineering Research IA	1	
U75803	IB	1	U75803	IB	1	
	Civil and Environmental Engineering Research IB	1		Civil and Environmental Engineering Research IB	1	
U75901	IIA	1	U75901	IIA	1	
	Civil and Environmental Engineering Research IIA	1		Civil and Environmental Engineering Research IIA	1	
U75903	IIB	1	U75903	IIB	1	
	Civil and Environmental Engineering Research IIB	1		Civil and Environmental Engineering Research IIB	1	
U76001	IA	1	U76001	IA	1	
	Civil and Environmental Engineering Seminar IA	1		Civil and Environmental Engineering Seminar IA	1	
U76003	IB	1	U76003	IB	1	
	Civil and Environmental Engineering Seminar IB	1		Civil and Environmental Engineering Seminar IB	1	
U76101	IIA	1	U76101	IIA	1	
	Civil and Environmental Engineering Seminar IIA	1		Civil and Environmental Engineering Seminar IIA	1	
U76103	IIB	1	U76103	IIB	1	
	Civil and Environmental Engineering Seminar IIB	1		Civil and Environmental Engineering Seminar IIB	1	

31	31		2	2		
U80901		2	WSJ207		2	
U80902	Advanced Instrumentation and Control for Structures	2		Advanced Instrumentation and Control for Structures		
U81901		2	WSJ201		2	
U81902	Advanced Strength of Material	2		Advanced Strength of Material		
U82001		2	WSJ202		2	
U82002	Advanced Finite Element Method	2		Advanced Finite Element Method		
U80401		2	WSJ203		2	
U80402	Simulation of Environmental Mechanics	2		Advanced Computational Fluid Dynamics		
U80501		2	WSJ204		2	
U80502	Initial Design of Marine Vehicles	2		Initial design of marine vehicles		
U80601		2	WSJ205		2	
U80602	Airworthiness and Seakeeping for the Vehicles	2		Seakeeping and Airworthiness for Ships and Aircrafts		
U80801		2	WSJ206		2	
U80802	System Planning	2		System Planning		
U82101		2	WSJ208		2	
U82102	Computational Fracture Mechanics	2		Computational Fracture Mechanics		
U81001		2	-			
U81002	Energy and Environmental Engineering	2				
U81101		2	-			
U81102	Computed Marine Hydrodynamics	2				
U81301		2	-			
U81302	Maneuvering and Control of Vehicles	2				
U81601		2	WSJ209		2	
U81602	Advanced Optimal Design	2		Advanced Optimal Design		
U81801		2	WSJ210		2	
U81802	Advanced Remote Sensing Engineering	2		Advanced Remote Sensing Engineering		
U81701		1	WSJ211		1	
U88101	I	1	WSJ301		1	
U88201	II	1	WSJ302		1	
U88301	III	1	WSJ303		1	
U88401	IV	1	WSJ304		1	
U85801	IA	1	U85801	IA	1	
	Transportation and Environmental Systems Research IA	1		Transportation and Environmental Systems Research IA	1	
U85803	IB	1	U85803	IB	1	
	Transportation and Environmental Systems Research IB	1		Transportation and Environmental Systems Research IB	1	
U85901	IIA	1	U85901	IIA	1	
	Transportation and Environmental Systems Research IIA	1		Transportation and Environmental Systems Research IIA	1	
U85903	IIB	1	U85903	IIB	1	
	Transportation and Environmental Systems Research IIB	1		Transportation and Environmental Systems Research IIB	1	
U86001	IA	1	U86001	IA	1	
	Transportation and Environmental Systems Seminar IA	1		Transportation and Environmental Systems Seminar IA	1	
U86003	IB	1	U86003	IB	1	
	Transportation and Environmental Systems Seminar IB	1		Transportation and Environmental Systems Seminar IB	1	
U86101	IIA	1	U86101	IIA	1	
	Transportation and Environmental Systems Seminar IIA	1		Transportation and Environmental Systems Seminar IIA	1	
U86103	IIB	1	U86103	IIB	1	
	Transportation and Environmental Systems Seminar IIB	1		Transportation and Environmental Systems Seminar IIB	1	