December of the Control of the Contr	Ohain	Laboratories	I als Co. do
Departments Civil and Earth Resources Engineering	Chair Applied Mechanics	Applied Mechanics	CR3000
Civil and Earth Resources Engineering  Civil and Earth Resources Engineering	Structural Engineering	Structural Materials Engineering	CR3000
Civil and Earth Resources Engineering	Structural Engineering Structural Engineering	Structural Machanics Structural Mechanics	CR1100
Civil and Earth Resources Engineering	Structural Engineering	Bridge Engineering	CR1200
Civil and Earth Resources Engineering	Structural Engineering	Structural Dynamics	CR1001
Civil and Earth Resources Engineering	Structural Engineering	,	CR1002
Civil and Earth Resources Engineering	Hydraulic Engineering	Environmental Hydrodynamics(2023-)	CR4102
Civil and Earth Resources Engineering	Hydraulic Engineering	Hydrology and Water Resources Engineering	CR4101
Civil and Earth Resources Engineering	Geomechanics	Geomechanics	CR4200
Civil and Earth Resources Engineering	Geomechanics	Infrastructure Innovation Engineering	CR4202
Civil and Earth Resources Engineering	Geoinformatics	Geoinformatics	CR0001
Civil and Earth Resources Engineering	Urban Infrastructure Design	Urban and Landscape Design	CR0002
Civil and Earth Resources Engineering	Urban Infrastructure Design	Urban Coast Design	CR0003
Civil and Earth Resources Engineering	Earth Resources Engineering	Geophysics	CR5100
Civil and Earth Resources Engineering	Earth Resources Engineering	Earth Crust Engineering	CR5300
Civil and Earth Resources Engineering	Earth Resources Engineering	Measurement and Evaluation Technology	CR5400
Civil and Earth Resources Engineering	Disaster Prevention Engineering	Erosion and Sediment Runoff Control Engineering	CRA100
Civil and Earth Resources Engineering	Disaster Prevention Engineering	Hydroscience and Hydraulic Engineering	CRA200
Civil and Earth Resources Engineering	Disaster Prevention Engineering	Geotechnics for Hazard Mitigation	CRA300
Civil and Earth Resources Engineering	Disaster Prevention Engineering	Hydrometeorological Disasters Engineering	CRA002
Civil and Earth Resources Engineering	Disaster Prevention Engineering	Maritime Disaster Prevention Engineering	CRA003
Civil and Earth Resources Engineering	Disaster Prevention Engineering	Innovative Disaster Prevention Technology and Policy Research	CRA004
Civil and Earth Resources Engineering	Disaster Prevention Engineering  Disaster Prevention Engineering	Waterfront and Marine Geohazards	CRA400
Civil and Earth Resources Engineering	Computational Science	Computational Science	CRA005
Urban Management	Earthquake and Lifeline Engineering	Earthquake and Lifeline Engineering	UM4200
Urban Management	River System Engineering and Management	Earlingsand and Entering Engineering	UM5200
Urban Management Urban Management	Geo-Management	Construction Engineering and Managament	UM5100
Urban Management Urban Management	Geo-Management Geo-Management	Construction Engineering and Management	UM5100 UM5001
Urban Management Urban Management	Geo-Management Geo-Management	Geofront System Engineering International Urban Development (G30)	UM5001 UM5003
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Urban Management	Urban Systems Planning	Planning and Management Systems	UM1100
Urban Management	Urban Systems Planning	Urban and Regional Planning	UM1200
Urban Management	Urban Management Systems	Urban Management Systems	UM2001
Urban Management	Transportation Engineering and Management	Intelligent Transport Systems	UM3100
Urban Management	Transportation Engineering and Management	Travel Behavior Analysis	UM3200
Urban Management	Earth Resource Sciences	Environmental Geosphere Engineering	UM0002
Urban Management	Earth Resource Sciences	Earth and Resource System	UM5002
Urban Management	Urban and Regional Disaster Control	Dynamics of Foundation Structures	UMA100
Urban Management	Urban and Regional Disaster Control	Regional Water Environment Systems	UMA200
Urban Management	Urban and Regional Disaster Control	Water Resources Engineering	UMA001
Urban Management	Urban and Regional Disaster Control	Disaster Risk Management	UMA400
Urban Management	Urban and Regional Disaster Control	Environmental Disaster Mitigation Management	UMA002
Urban Management	Urban and Regional Disaster Control	Urban Flood Control	UMA500
Environmental Engineering	Environmental Design Engineering	Environmental Design Engineering	UEB000
Environmental Engineering	Environmental Health	Environmental Health	UEC000
Environmental Engineering	Environmental Systems Engineering	Water Quality Engineering	UED100
Environmental Engineering	Environmental Systems Engineering	Environmental Risk Analysis	UED200
Environmental Engineering	Environmental Systems Engineering	Atmospheric and Thermal Environmental Engineering (2018-)	UED301
Environmental Engineering	Environmental Systems Engineering	Urban Sanitary Engineering Sub-department	UED001
Environmental Engineering	Environmental Material Science and Technology	Environmental Quality Control	UEI100
Environmental Engineering	Environmental Material Science and Technology	Environmental Quality Evaluation	UEI200
Environmental Engineering	Environmental Material Science and Technology	Environmental Preservation Engineering	UEI300
Environmental Engineering	Environmental Material Science and Technology	Environmental Radionuclide Science and Engineering	UEI400
Environmental Engineering	Environmental Material Science and Technology	Radioactive Waste Management	UEI500
Environmental Engineering	Environmental Material Science and Technology	Safety and Occupational Health Engineering	UEI301
Architecture and Architectural Engineering	Regenerative Preservation of Built Environment	Regenerative Preservation of Built Environment	AR1000
Architecture and Architectural Engineering	Architecture and Environmental Engineering	Architecture and Environmental Engineering	AR6000
Architecture and Architectural Engineering	History of Architecture	History of Architecture	AR7000
Architecture and Architectural Engineering	History of Architecture	Architectural History, Theory, and Criticism	AR7001
Architecture and Architectural Engineering	Construction Technology of Building Structures	Construction Technology of Building Structures	AR8000
Architecture and Architectural Engineering	Architectural and Environmental Planning	Architectural and Environmental Planning	AR3100
Architecture and Architectural Engineering	Architectural and Environmental Planning	Building Environment Control	AR3400
Architecture and Architectural Engineering	Architectural Design and Theory	Architectural Design and Theory	AR2100
Architecture and Architectural Engineering	Architectural Design and Theory	Architectural Design and Theory Architectural and Environmental Design	AR2300
Architecture and Architectural Engineering	Structural Engineering of Building	Structural Engineering of Building	AR4100
Architecture and Architectural Engineering Architecture and Architectural Engineering	Architectural Construction Engineering	Architecture System and Management	AR5100
Architecture and Architectural Engineering Architecture and Architectural Engineering	Architectural Construction Engineering  Architectural Construction Engineering	Space Development and Structural Systems	AR5200
Architecture and Architectural Engineering Architecture and Architectural Engineering	Sustainable Built Environmental Engineering	Sustainable Built Environmental Engineering	AR0003
Architecture and Architectural Engineering	Housing and Environmental Design	Housing and Environmental Design	AR0002
Architecture and Architectural Engineering	Built Environment Materials and Structural Systems	Built Environment Materials and Structural Systems	AR0001
Architecture and Architectural Engineering	Architectural Environment Systems	Environmental Acoustics	AR0004
Architecture and Architectural Engineering	Architectural Environment Systems	Building Geoenvironment Engineering	AR0005
		Earthquake Resistant Engineering	ARA100
Architecture and Architectural Engineering	Disaster Mitigation Engineering	0 101.0	
Architecture and Architectural Engineering Architecture and Architectural Engineering	Disaster Mitigation Engineering	Structural Safety Control	ARA200
Architecture and Architectural Engineering Architecture and Architectural Engineering Architecture and Architectural Engineering	Disaster Mitigation Engineering Disaster Mitigation Engineering	Architectural Wind Engineering	ARA300
Architecture and Architectural Engineering Architecture and Architectural Engineering Architecture and Architectural Engineering Architecture and Architectural Engineering	Disaster Mitigation Engineering Disaster Mitigation Engineering Space Safety Engineering	Architectural Wind Engineering Earthquake Resistant Design for Structures	ARA300 ARC001
Architecture and Architectural Engineering Architecture and Architectural Engineering Architecture and Architectural Engineering Architecture and Architectural Engineering Architecture and Architectural Engineering	Disaster Mitigation Engineering Disaster Mitigation Engineering Space Safety Engineering Space Safety Engineering	Architectural Wind Engineering Earthquake Resistant Design for Structures Disaster Mitigation Planning of Cities	ARA300 ARC001 ARC002
Architecture and Architectural Engineering Mechanical Engineering and Science	Disaster Mitigation Engineering Disaster Mitigation Engineering Space Safety Engineering Space Safety Engineering Design and Control of Mechanical Systems	Architectural Wind Engineering Earthquake Resistant Design for Structures Disaster Mitigation Planning of Cities Design and Control of Mechanical Systems	ARA300 ARC001 ARC002 KR1000
Architecture and Architectural Engineering Mechanical Engineering and Science Mechanical Engineering and Science	Disaster Mitigation Engineering Disaster Mitigation Engineering Space Safety Engineering Space Safety Engineering Design and Control of Mechanical Systems Mechanics of Engineering Materials	Architectural Wind Engineering Earthquake Resistant Design for Structures Disaster Mitigation Planning of Cities Design and Control of Mechanical Systems Mechanics of Adaptive Materials and Structures	ARA300 ARC001 ARC002 KR1000 KR3100
Architecture and Architectural Engineering Mechanical Engineering and Science	Disaster Mitigation Engineering Disaster Mitigation Engineering Space Safety Engineering Space Safety Engineering Design and Control of Mechanical Systems	Architectural Wind Engineering Earthquake Resistant Design for Structures Disaster Mitigation Planning of Cities Design and Control of Mechanical Systems	ARA300 ARC001 ARC002 KR1000

Departments	Chair	Laboratories	Lab Code KR4200
Mechanical Engineering and Science	Fluids Engineering and Science	Fluid Physics	
Mechanical Engineering and Science	Fluids Engineering and Science	Thermal System Engineering	KRA101
Mechanical Engineering and Science	Engineering Physics	Optical Engineering	KR5100
Mechanical Engineering and Science	Engineering Physics	Materials Science	KR5200
Mechanical Engineering and Science	Engineering Physics	Thermal Physics	KR5300
Mechanical Engineering and Science	Engineering Mechanics	Mechanism and Motion Engineering	KR6300
Mechanical Engineering and Science	Engineering Mechanics	Machine Element and Functional Device Engineering	KR6301
Mechanical Engineering and Science	Frontier Mechanical Engineering and Science	Frontier System Engineering and Science	KR7001
Mechanical Engineering and Science	Frontier Mechanical Engineering and Science	Frontier Design Engineering and Science	KR7000
Mechanical Engineering and Science	Radiation and Material Engineering	Materials and Radiation	KRB100
Mechanical Engineering and Science	Radiation and Material Engineering	Quantum Beam Materialography	KRB200
Mechanical Engineering and Science	Multifunctional Device Design Engineering	Multifunctional Device Design Engineering	KR8000
Micro Engineering	Strength of Materials and Structures	Strength of Materials and Structures (2022-)	MR1001
Micro Engineering	Nano System Engineering	Micro Biosystems	MR2100
Micro Engineering	Nano System Engineering	Nano/Micro System Engineering	MR2200
Micro Engineering	Nano Science	Nanomaterials Engineering	MR3100
Micro Engineering	Nano Science	Life and Mathematical Sciences	MR3200
Micro Engineering	Micro System Engineering	Manufacturing of Micro Systems	MR4100
Micro Engineering	Micro System Engineering	Precision Measurement and Manufacturing	MR4200
Micro Engineering	Nano Bio-mechanics	Bio-mechanics	MRA001
Micro Engineering	Nano Bio-mechanics	Nano Bioengineering	MRA002
Aeronautics and Astronautics	Dynamics in Aeronautics and Astronautics	Dynamics in Aeronautics and Astronautics	AA1000
Aeronautics and Astronautics	Fundamental Studies in Aeronautics and Astronautics		AA2100
Aeronautics and Astronautics	Fundamental Studies in Aeronautics and Astronautics	-	AA2400
Aeronautics and Astronautics	Fundamental Studies in Aeronautics and Astronautics		AA2200
Aeronautics and Astronautics	System Engineering in Aeronautics and Astronautics	Systems and Control	AA4100
Aeronautics and Astronautics Aeronautics and Astronautics		Mechanics of Functional Solids and Structures	
	System Engineering in Aeronautics and Astronautics		AA4201
Nuclear Engineering	Quantum Science and Engineering	Quantum and Beam Science	NE0400
Nuclear Engineering	Quantum Science and Engineering	Quantum Science and Engineering	NEA100
Nuclear Engineering	Basic Quantum Engineering	Quantum Physics	NE0200
Nuclear Engineering	Basic Quantum Engineering	Neutron physics and Engineering	NE0500
Nuclear Engineering	Nuclear Energy Science	Nuclear Materials	NE0100
Nuclear Engineering	Nuclear Energy Science	Nuclear Energy Conversion	NE0300
Nuclear Engineering	Nuclear Energy Science	Quantum Engineering System	NE0700
Nuclear Engineering	Nuclear System Engineering	Neutron Sources and Applications	NEB100
Nuclear Engineering	Nuclear System Engineering	Neutron Optics and Their Applications	NEB200
Nuclear Engineering	Nuclear System Engineering	Condensed-Matter Chemistry of Heavy Elements	NEB301
Nuclear Engineering	Nuclear System Engineering	Radiation Medical Physics	NEB400
Materials Science and Engineering	Metallic Materials Design	Metallic Materials Design(2020-)	MS1101
Materials Science and Engineering	Metallic Materials Design	Design of Advanced Materials and Global Education	MS1102
Materials Science and Engineering	Basic Science of Advanced Materials	Basic Science of Advanced Materials	MSA100
Materials Science and Engineering	Materials Processing	Aqueous Processing of Materials	MS2100
Materials Science and Engineering	Materials Processing	Materials Informatics	MS2200
Materials Science and Engineering	Materials Processing	Nanostructural Design of Advanced Materials	MS2300
Materials Science and Engineering	Basic Science of Materials		MS3100
0 0	Basic Science of Materials  Basic Science of Materials	Materials Design Through Quantum Theory	MS3200
Materials Science and Engineering  Materials Science and Engineering		Property Control of Crystalline Materials	
0 0	Basic Science of Materials	Structural Properties of Materials	MS3300
Materials Science and Engineering	Basic Science of Materials	Magnetism and Magnetic Materials	MS4100
Materials Science and Engineering	Basic Science of Materials	Electrochemistry and Hydrometallurgy(2012-)	MS0001
Materials Science and Engineering	Basic Science of Materials	Nanoscopic Surface Architecture	MS4300
Materials Science and Engineering	Properties of Advanced Materials	Properties of Advanced Materials	MSA200
Electrical Engineering	Biomedical Engineering	Biological Function Engineering	EE3100
Electrical Engineering	Electromagnetic Engineering	Electromagnetic Energy Engineering	EE2100
Electrical Engineering	Electromagnetic Engineering	14 10 10	1550000
	Liectromagnetic Engineering	Applied Superconductivity	EE2200
Electrical Engineering	Electromagnetic Engineering	Applied Superconductivity Electrical and Electromagnetic Circuit	EE4100
Electrical Engineering Electrical Engineering			
	Electromagnetic Engineering	Electrical and Electromagnetic Circuit	EE4100
Electrical Engineering	Electromagnetic Engineering Advanced Electrical Systems Theory	Electrical and Electromagnetic Circuit Advanced Electrical Systems Theory	EE4100 EE3200
Electrical Engineering Electrical Engineering	Electromagnetic Engineering Advanced Electrical Systems Theory Fundamentals of Systems	Electrical and Electromagnetic Circuit Advanced Electrical Systems Theory Automatic Control Engineering	EE4100 EE3200 EE4200
Electrical Engineering Electrical Engineering Electrical Engineering Electrical Engineering	Electromagnetic Engineering Advanced Electrical Systems Theory Fundamentals of Systems Fundamentals of Systems Radio Engineering	Electrical and Electromagnetic Circuit Advanced Electrical Systems Theory Automatic Control Engineering Innovative Systems Theory	EE4100 EE3200 EE4200 EE4301
Electrical Engineering Electrical Engineering Electrical Engineering Electrical Engineering Electrical Engineering	Electromagnetic Engineering Advanced Electrical Systems Theory Fundamentals of Systems Fundamentals of Systems Radio Engineering Radio Engineering	Electrical and Electromagnetic Circuit Advanced Electrical Systems Theory Automatic Control Engineering Innovative Systems Theory Space Radio Engineering Microwave Energy Transmission	EE4100 EE3200 EE4200 EE4301 EEA100 EEA200
Electrical Engineering	Electromagnetic Engineering Advanced Electrical Systems Theory Fundamentals of Systems Fundamentals of Systems Radio Engineering Radio Engineering Radio Engineering	Electrical and Electromagnetic Circuit Advanced Electrical Systems Theory Automatic Control Engineering Innovative Systems Theory Space Radio Engineering Microwave Energy Transmission Space Radio Science Simulation	EE4100 EE3200 EE4200 EE4301 EEA100 EEA200 EEA300
Electrical Engineering	Electromagnetic Engineering Advanced Electrical Systems Theory Fundamentals of Systems Fundamentals of Systems Radio Engineering Radio Engineering Radio Engineering Advanced Electric Machinery Engineering for Sustainir	Electrical and Electromagnetic Circuit Advanced Electrical Systems Theory Automatic Control Engineering Innovative Systems Theory Space Radio Engineering Microwave Energy Transmission Space Radio Science Simulation Advanced Electric Machinery Engineering for Sustaining Global Environment	EE4100 EE3200 EE4200 EE4301 EEA100 EEA200 EEA300 EEC010
Electrical Engineering Electronic Science and Engineering	Electromagnetic Engineering Advanced Electrical Systems Theory Fundamentals of Systems Fundamentals of Systems Radio Engineering Radio Engineering Radio Engineering Advanced Electric Machinery Engineering for Sustainin	Electrical and Electromagnetic Circuit Advanced Electrical Systems Theory Automatic Control Engineering Innovative Systems Theory Space Radio Engineering Microwave Energy Transmission Space Radio Science Simulation Advanced Electric Machinery Engineering for Sustaining Global Environment Integrated Function Engineering	EE4100 EE3200 EE4200 EE4301 EEA100 EEA200 EEA300 EEC010 ES1000
Electrical Engineering Electronic Science and Engineering Electronic Science and Engineering	Electromagnetic Engineering Advanced Electrical Systems Theory Fundamentals of Systems Fundamentals of Systems Radio Engineering Radio Engineering Radio Engineering Advanced Electric Machinery Engineering for Sustainir Integrated Function Engineering Applied Electronic Physics	Electrical and Electromagnetic Circuit Advanced Electrical Systems Theory Automatic Control Engineering Innovative Systems Theory Space Radio Engineering Microwave Energy Transmission Space Radio Science Simulation Advanced Electric Machinery Engineering for Sustaining Global Environment Integrated Function Engineering Applied Nano-electronics	EE4100 EE3200 EE4200 EE4200 EE4301 EEA100 EEA200 EEA200 EEA300 EEC010 ES1000 ES2100
Electrical Engineering Electronic Science and Engineering Electronic Science and Engineering Electronic Science and Engineering	Electromagnetic Engineering Advanced Electrical Systems Theory Fundamentals of Systems Fundamentals of Systems Radio Engineering Radio Engineering Radio Engineering Advanced Electric Machinery Engineering for Sustainir Integrated Function Engineering Applied Electronic Physics Applied Electronic Physics	Electrical and Electromagnetic Circuit Advanced Electrical Systems Theory Automatic Control Engineering Innovative Systems Theory Space Radio Engineering Microwave Energy Transmission Space Radio Science Simulation Advanced Electric Machinery Engineering for Sustaining Global Environment Integrated Function Engineering Applied Nano-electronics Applied Quantum Electronics	EE4100 EE3200 EE4200 EE4200 EEA301 EEA100 EEA200 EECA300 EECA300 EEC3000 ES2100 ES2100 ES2201
Electrical Engineering Electronic Science and Engineering	Electromagnetic Engineering Advanced Electrical Systems Theory Fundamentals of Systems Fundamentals of Systems Radio Engineering Radio Engineering Radio Engineering Advanced Electric Machinery Engineering for Sustainir Integrated Function Engineering Applied Electronic Physics Applied Electronic Physics Functional Electronic Science and Engineering	Electrical and Electromagnetic Circuit Advanced Electrical Systems Theory Automatic Control Engineering Innovative Systems Theory Space Radio Engineering Microwave Energy Transmission Space Radio Science Simulation Advanced Electric Machinery Engineering for Sustaining Global Environment Integrated Function Engineering Applied Nano-electronics Applied Quantum Electronics Semiconductor Science and Engineering	EE4100 EE3200 EE4200 EE4301 EEA100 EEA300 EEA300 EEC010 ES1000 ES2100 ES2201 ES3100
Electrical Engineering Electronic Science and Engineering	Electromagnetic Engineering Advanced Electrical Systems Theory Fundamentals of Systems Fundamentals of Systems Radio Engineering Radio Engineering Radio Engineering Advanced Electric Machinery Engineering for Sustainir Integrated Function Engineering Applied Electronic Physics Applied Electronic Physics Functional Electronic Science and Engineering Functional Electronic Science and Engineering	Electrical and Electromagnetic Circuit Advanced Electrical Systems Theory Automatic Control Engineering Innovative Systems Theory Space Radio Engineering Microwave Energy Transmission Space Radio Science Simulation Advanced Electric Machinery Engineering for Sustaining Global Environment Integrated Function Engineering Applied Nano-electronics Applied Quantum Electronics Semiconductor Science and Engineering Electronic Material Science and Engineering	EE4100 EE3200 EE4200 EE4201 EEA100 EEA301 EEA100 EEA200 EEX300 EEX300 ES2100 ES2100 ES2201 ES3100 ES3200
Electrical Engineering Electronic Science and Engineering	Electromagnetic Engineering Advanced Electrical Systems Theory Fundamentals of Systems Fundamentals of Systems Radio Engineering Radio Engineering Radio Engineering Radio Engineering Advanced Electric Machinery Engineering for Sustainir Integrated Function Engineering Applied Electronic Physics Applied Electronic Physics Functional Electronic Science and Engineering Functional Electronic Science and Engineering Quantum Engineering	Electrical and Electromagnetic Circuit Advanced Electrical Systems Theory Automatic Control Engineering Innovative Systems Theory Space Radio Engineering Microwave Energy Transmission Space Radio Science Simulation Advanced Electric Machinery Engineering for Sustaining Global Environment Integrated Function Engineering Applied Nano-electronics Applied Quantum Electronics Semiconductor Science and Engineering Electronic Material Science and Engineering Optoelectronic Material Science and Engineering	EE4100 EE3200 EE4200 EE4301 EEA100 EEA200 EEA300 EEC010 ES2100 ES2100 ES2201 ES3100 ES3200 ES4100
Electrical Engineering Electronic Science and Engineering	Electromagnetic Engineering Advanced Electrical Systems Theory Fundamentals of Systems Fundamentals of Systems Radio Engineering Radio Engineering Radio Engineering Advanced Electric Machinery Engineering for Sustainir Integrated Function Engineering Applied Electronic Physics Applied Electronic Physics Functional Electronic Science and Engineering Functional Electronic Science and Engineering Quantum Engineering Quantum Engineering	Electrical and Electromagnetic Circuit Advanced Electrical Systems Theory Automatic Control Engineering Innovative Systems Theory Space Radio Engineering Microwave Energy Transmission Space Radio Science Simulation Advanced Electric Machinery Engineering for Sustaining Global Environment Integrated Function Engineering Applied Nano-electronics Applied Quantum Electronics Semiconductor Science and Engineering Electronic Material Science and Engineering Quantum Optoelectronics	EE4100 EE3200 EE4200 EE4200 EE4301 EEA100 EEA200 EEA200 EEX200 EEX100 ES2100 ES2100 ES2201 ES3100 ES3200 ES4100 ES4200
Electrical Engineering Electronic Science and Engineering	Electromagnetic Engineering Advanced Electrical Systems Theory Fundamentals of Systems Fundamentals of Systems Radio Engineering Radio Engineering Radio Engineering Advanced Electric Machinery Engineering for Sustainir Integrated Function Engineering Applied Electronic Physics Applied Electronic Physics Functional Electronic Science and Engineering Functional Electronic Science and Engineering Quantum Engineering Quantum Engineering Quantum Engineering	Electrical and Electromagnetic Circuit Advanced Electrical Systems Theory Automatic Control Engineering Innovative Systems Theory Space Radio Engineering Microwave Energy Transmission Space Radio Science Simulation Advanced Electric Machinery Engineering for Sustaining Global Environment Integrated Function Engineering Applied Nano-electronics Applied Quantum Electronics Semiconductor Science and Engineering Electronic Material Science and Engineering Quantum Optoelectronics Quantum Optoelectronics Quantum Optoelectronics Quantum Optoelectronics	EE4100 EE3200 EE4200 EE4301 EEA100 EEA200 EEA200 EEA200 EEA200 EES2010 ES2100 ES2201 ES3100 ES3200 ES4100 ES4200 ES4200 ES4300
Electrical Engineering Electronic Science and Engineering	Electromagnetic Engineering Advanced Electrical Systems Theory Fundamentals of Systems Fundamentals of Systems Radio Engineering Radio Engineering Radio Engineering Advanced Electric Machinery Engineering for Sustainir Integrated Function Engineering Applied Electronic Physics Applied Electronic Physics Functional Electronic Science and Engineering Quantum Engineering Quantum Engineering Quantum Engineering Quantum Engineering Quantum Engineering Quantum Engineering Advanced Functional Materials Engineering	Electrical and Electromagnetic Circuit Advanced Electrical Systems Theory Automatic Control Engineering Innovative Systems Theory Space Radio Engineering Microwave Energy Transmission Space Radio Science Simulation Advanced Electric Machinery Engineering for Sustaining Global Environment Integrated Function Engineering Applied Nano-electronics Applied Quantum Electronics Semiconductor Science and Engineering Electronic Material Science and Engineering Quantum Optoelectronics	EE4100 EE3200 EE4200 EE4301 EEA100 EEA300 EEA200 EEA300 EEC010 ES1000 ES2100 ES2201 ES3100 ES3200 EES4200 ES4400 ES4200 ES44300 ES4300 ES4300 ES4300
Electrical Engineering Electronic Science and Engineering	Electromagnetic Engineering Advanced Electrical Systems Theory Fundamentals of Systems Fundamentals of Systems Radio Engineering Radio Engineering Radio Engineering Advanced Electric Machinery Engineering for Sustainir Integrated Function Engineering Applied Electronic Physics Applied Electronic Physics Functional Electronic Science and Engineering Functional Electronic Science and Engineering Quantum Engineering Quantum Engineering Quantum Engineering Advanced Functional Materials Engineering Functional Materials Design	Electrical and Electromagnetic Circuit Advanced Electrical Systems Theory Automatic Control Engineering Innovative Systems Theory Space Radio Engineering Microwave Energy Transmission Space Radio Science Simulation Advanced Electric Machinery Engineering for Sustaining Global Environment Integrated Function Engineering Applied Nano-electronics Applied Quantum Electronics Semiconductor Science and Engineering Electronic Material Science and Engineering Optoelectronic Material Science and Engineering Quantum Optoelectronics	EE4100 EE3200 EE4200 EE4301 EEA100 EEA300 EECA200 EECA300 EECO10 ES1000 ES2100 ES2100 ES2201 ES3100 ES3200 ES4200 ES4200 ES4400 ES4200 ES4200 ES4300 ESA101 MC1001
Electrical Engineering Electronic Science and Engineering	Electromagnetic Engineering Advanced Electrical Systems Theory Fundamentals of Systems Fundamentals of Systems Radio Engineering Radio Engineering Radio Engineering Advanced Electric Machinery Engineering for Sustainir Integrated Function Engineering Applied Electronic Physics Applied Electronic Physics Functional Electronic Science and Engineering Quantum Engineering Quantum Engineering Quantum Engineering Quantum Engineering Quantum Engineering Quantum Engineering Advanced Functional Materials Engineering	Electrical and Electromagnetic Circuit Advanced Electrical Systems Theory Automatic Control Engineering Innovative Systems Theory Space Radio Engineering Microwave Energy Transmission Space Radio Science Simulation Advanced Electric Machinery Engineering for Sustaining Global Environment Integrated Function Engineering Applied Nano-electronics Applied Quantum Electronics Semiconductor Science and Engineering Electronic Material Science and Engineering Quantum Optoelectronics Quantum Optoelectronics Quantum Optoelectronics Quantum Optoelectronics	EE4100 EE3200 EE4200 EE4200 EE4301 EEA100 EEA200 EEA200 EEA200 ES2100 ES2100 ES2201 ES3100 ES3200 ES4200 ES4400 ES4200 ES4300 ES4200 ES4300 ES4300 ES4300 ES4300
Electrical Engineering Electronic Science and Engineering	Electromagnetic Engineering Advanced Electrical Systems Theory Fundamentals of Systems Fundamentals of Systems Radio Engineering Radio Engineering Radio Engineering Advanced Electric Machinery Engineering for Sustainir Integrated Function Engineering Applied Electronic Physics Applied Electronic Physics Functional Electronic Science and Engineering Functional Electronic Science and Engineering Quantum Engineering Quantum Engineering Quantum Engineering Advanced Functional Materials Engineering Functional Materials Design	Electrical and Electromagnetic Circuit Advanced Electrical Systems Theory Automatic Control Engineering Innovative Systems Theory Space Radio Engineering Microwave Energy Transmission Space Radio Science Simulation Advanced Electric Machinery Engineering for Sustaining Global Environment Integrated Function Engineering Applied Nano-electronics Applied Quantum Electronics Semiconductor Science and Engineering Electronic Material Science and Engineering Optoelectronic Material Science and Engineering Quantum Optoelectronics	EE4100 EE3200 EE4200 EE4301 EEA100 EEA300 EECA200 EECA300 EECO10 ES1000 ES2100 ES2100 ES2201 ES3100 ES3200 ES4200 ES4200 ES4400 ES4200 ES4200 ES4300 ESA101 MC1001
Electrical Engineering Electronic Science and Engineering	Electromagnetic Engineering Advanced Electrical Systems Theory Fundamentals of Systems Fundamentals of Systems Radio Engineering Radio Engineering Radio Engineering Advanced Electric Machinery Engineering for Sustainir Integrated Function Engineering Applied Electronic Physics Applied Electronic Physics Functional Electronic Science and Engineering Functional Electronic Science and Engineering Quantum Engineering Quantum Engineering Quantum Engineering Advanced Functional Materials Engineering Functional Materials Design Inorganic Material Chemistry	Electrical and Electromagnetic Circuit Advanced Electrical Systems Theory Automatic Control Engineering Innovative Systems Theory Space Radio Engineering Microwave Energy Transmission Space Radio Science Simulation Advanced Electric Machinery Engineering for Sustaining Global Environment Integrated Function Engineering Applied Nano-electronics Applied Quantum Electronics Semiconductor Science and Engineering Electronic Material Science and Engineering Optoelectronic Material Science and Engineering Quantum Optoelectronics Quantum Optoelectronics Quantum Optoelectronics Nano-Process Engineering Nano-Process Engineering(2018-)	EE4100 EE3200 EE4200 EE4200 EE4301 EEA100 EEA300 EEC010 ES1000 ES2100 ES2201 ES3100 ES3200 ES4100 ES4200 ESA101 MC1001
Electrical Engineering Electronic Science and Engineering Material Chemistry Material Chemistry	Electromagnetic Engineering Advanced Electrical Systems Theory Fundamentals of Systems Fundamentals of Systems Radio Engineering Radio Engineering Radio Engineering Advanced Electric Machinery Engineering for Sustainir Integrated Function Engineering Applied Electronic Physics Applied Electronic Physics Functional Electronic Science and Engineering Functional Electronic Science and Engineering Quantum Engineering Quantum Engineering Quantum Engineering Advanced Functional Materials Engineering Functional Materials Design Inorganic Material Chemistry Inorganic Material Chemistry	Electrical and Electromagnetic Circuit Advanced Electrical Systems Theory Automatic Control Engineering Innovative Systems Theory Space Radio Engineering Microwave Energy Transmission Space Radio Science Simulation Advanced Electric Machinery Engineering for Sustaining Global Environment Integrated Function Engineering Applied Nano-electronics Applied Quantum Electronics Semiconductor Science and Engineering Electronic Material Science and Engineering Optoelectronic Material Science and Engineering Quantum Optoelectronics Quantum Optoelectronics Quantum Optoelectronics Nano-Process Engineering(2018-) Inorganic Structural Chemistry(2017.8-) Industrial Solid-State Chemistry	EE4100 EE3200 EE4200 EE4200 EE4301 EEA100 EEA300 EEC010 ES1000 ES2100 ES2201 ES3100 ES3200 ES4200 ES4200 ES4200 ES4300 ES400 ES400 ES4200 ES400
Electrical Engineering Electronic Science and Engineering Material Chemistry Material Chemistry Material Chemistry Material Chemistry	Electromagnetic Engineering Advanced Electrical Systems Theory Fundamentals of Systems Fundamentals of Systems Radio Engineering Radio Engineering Radio Engineering Advanced Electric Machinery Engineering for Sustainir Integrated Function Engineering Applied Electronic Physics Applied Electronic Physics Functional Electronic Science and Engineering Functional Electronic Science and Engineering Quantum Engineering Quantum Engineering Quantum Engineering Functional Materials Engineering Functional Materials Design Inorganic Material Chemistry Organic Material Chemistry	Electrical and Electromagnetic Circuit Advanced Electrical Systems Theory Automatic Control Engineering Innovative Systems Theory Space Radio Engineering Microwave Energy Transmission Space Radio Science Simulation Advanced Electric Machinery Engineering for Sustaining Global Environment Integrated Function Engineering Applied Nano-electronics Applied Quantum Electronics Semiconductor Science and Engineering Electronic Material Science and Engineering Optoelectronic Material Science and Engineering Quantum Optoelectronics Quantum Optoelectronics Quantum Optoelectronics Inorganic Structural Chemistry(2017.8-) Industrial Solid-State Chemistry Organic Reaction Chemistry	EE4100 EE3200 EE4200 EE4200 EE4301 EEA100 EEA300 EEA300 EEC010 ES1000 ES2100 ES2201 ES3100 ES3200 ES4100 ES4200 ES4400 ES4400 ES4400 MC1001 MC1000 MC2200 MC3100
Electrical Engineering Electronic Science and Engineering Material Chemistry	Electromagnetic Engineering Advanced Electrical Systems Theory Fundamentals of Systems Fundamentals of Systems Radio Engineering Radio Engineering Radio Engineering Advanced Electric Machinery Engineering for Sustainir Integrated Function Engineering Applied Electronic Physics Applied Electronic Physics Functional Electronic Science and Engineering Functional Electronic Science and Engineering Quantum Engineering Quantum Engineering Quantum Engineering Functional Materials Engineering Functional Materials Design Inorganic Material Chemistry Organic Material Chemistry Organic Material Chemistry	Electrical and Electromagnetic Circuit Advanced Electrical Systems Theory Automatic Control Engineering Innovative Systems Theory Space Radio Engineering Microwave Energy Transmission Space Radio Science Simulation Advanced Electric Machinery Engineering for Sustaining Global Environment Integrated Function Engineering Applied Nano-electronics Applied Quantum Electronics Semiconductor Science and Engineering Electronic Material Science and Engineering Optoelectronic Material Science and Engineering Quantum Optoelectronics Quantum Optoelectronics Nano-Process Engineering(2018-) Inorganic Structural Chemistry (2017.8-) Industrial Solid-State Chemistry Organic Reaction Chemistry Organic Chemistry of Natural Products	EE4100 EE3200 EE4200 EE4200 EE4301 EEA100 EEA300 EEA300 EEX100 ES1000 ES2100 ES2100 ES3200 ES4100 ES4200 ES4100 ES4200 ES4100 ES4200 EX400 EX400 EX400 EX400 EX400 EX400 EX400 EX400 EX400 MC3200 MC3100 MC3200
Electrical Engineering Electronic Science and Engineering Material Chemistry	Electromagnetic Engineering Advanced Electrical Systems Theory Fundamentals of Systems Fundamentals of Systems Radio Engineering Radio Engineering Radio Engineering Advanced Electric Machinery Engineering for Sustainir Integrated Function Engineering Applied Electronic Physics Applied Electronic Physics Functional Electronic Science and Engineering Quantum Engineering Quantum Engineering Quantum Engineering Quantum Engineering Integrated Functional Electronic Science and Engineering Functional Electronic Science and Engineering Integrated Functional Materials Engineering Quantum Engineering Quantum Engineering Quantum Engineering Advanced Functional Materials Engineering Functional Material Chemistry Inorganic Material Chemistry Organic Material Chemistry Organic Material Chemistry Organic Material Chemistry Organic Material Chemistry	Electrical and Electromagnetic Circuit Advanced Electrical Systems Theory Automatic Control Engineering Innovative Systems Theory Space Radio Engineering Microwave Energy Transmission Space Radio Science Simulation Advanced Electric Machinery Engineering for Sustaining Global Environment Integrated Function Engineering Applied Nano-electronics Applied Quantum Electronics Semiconductor Science and Engineering Electronic Material Science and Engineering Optoelectronic Material Science and Engineering Quantum Optoelectronics Quantum Optoelectronics Quantum Optoels Engineering Nano-Process Engineering(2018-) Inorganic Structural Chemistry(2017.8-) Industrial Solid-State Chemistry Organic Reaction Chemistry Organic Chemistry of Natural Products Analytical Chemistry of Materials Polymer Physics and Function	EE4100 EE3200 EE4200 EE4200 EE4301 EEA100 EEA300 EEA200 EEA300 ES2100 ES2100 ES2201 ES3100 ES3200 ES4100 ES4200 ES4100 ES4200 EMC300 MC3200 MC3200 MC3300 MC4100
Electrical Engineering Electronic Science and Engineering Material Chemistry	Electromagnetic Engineering Advanced Electrical Systems Theory Fundamentals of Systems Fundamentals of Systems Radio Engineering Radio Engineering Radio Engineering Radio Engineering Radio Engineering Advanced Electric Machinery Engineering for Sustainir Integrated Function Engineering Applied Electronic Physics Applied Electronic Physics Functional Electronic Science and Engineering Functional Electronic Science and Engineering Quantum Engineering Quantum Engineering Quantum Engineering Advanced Functional Materials Engineering Functional Materials Design Inorganic Material Chemistry Organic Material Chemistry Organic Material Chemistry Organic Material Chemistry	Electrical and Electromagnetic Circuit Advanced Electrical Systems Theory Automatic Control Engineering Innovative Systems Theory Space Radio Engineering Microwave Energy Transmission Space Radio Science Simulation Advanced Electric Machinery Engineering for Sustaining Global Environment Integrated Function Engineering Applied Nano-electronics Applied Quantum Electronics Semiconductor Science and Engineering Electronic Material Science and Engineering Optoelectronic Material Science and Engineering Quantum Optoelectronics Quantum Optoelectronics Quantum Optoels Engineering Nano-Process Engineering(2018-) Inorganic Structural Chemistry(2017.8-) Industrial Solid-State Chemistry Organic Reaction Chemistry Organic Chemistry of Natural Products Analytical Chemistry of Materials	EE4100 EE3200 EE4200 EE4200 EE4301 EEA100 EEA300 EEA300 EES1000 ES2100 ES2100 ES3200 ES4100 ES4200 ES4100 ES4200 ES4100 ESA200 ESA101 MC1001 MC1000 MC2200 MC3100 MC3200 MC3300

Departments	Chair	Laboratories	Lab Code
Energy and Hydrocarbon Chemistry	Energy Chemistry	Applied Electrochemistry	EH2100
Energy and Hydrocarbon Chemistry	Energy Chemistry	Functional Materials	EH2200
Energy and Hydrocarbon Chemistry	Hydrocarbon Chemistry	Hydrocarbon Chemistry Fundamentals	EH3100
Energy and Hydrocarbon Chemistry	Hydrocarbon Chemistry	Advanced Biomedical Engineering	EHC001
Energy and Hydrocarbon Chemistry	Catalyst Science	Catalyst Materials	EH4100
Energy and Hydrocarbon Chemistry	Catalyst Science	Catalytic Organic Chemistry	EH4200
Energy and Hydrocarbon Chemistry	Catalyst Science	Catalyst Design Engineering	EH4300
Energy and Hydrocarbon Chemistry	Material Transform Science	Synthetic Reaction Design	EHA100
Energy and Hydrocarbon Chemistry	Material Transform Science	Structural Organic Chemistry	EHA200
Energy and Hydrocarbon Chemistry	Material Transform Science	Organotransition Metal Chemistry	EHA300
Energy and Hydrocarbon Chemistry	Functional Organic Materials	,	EHC002
Molecular Engineering	Molecular Theory for Science and Technology	Molecular Theory for Science and Technology	ML2000
Molecular Engineering	Biomolecular Function Chemistry	Biomolecular Function Chemistry	ML1000
Molecular Engineering	Quantum Function Chemistry	Quantum Function Chemistry(2021-)	ML3001
Molecular Engineering	Applied Reaction Chemistry	Catalysis Chemistry	ML4100
Molecular Engineering	Applied Reaction Chemistry	Photoorganic Chemistry	ML4200
Molecular Engineering	Applied Reaction Chemistry  Applied Reaction Chemistry	Condensed Matter Physical Chemistry	ML4301
Molecular Engineering	Molecular Materials Science	Inorganic Materials Science	MLA100
Molecular Engineering	Molecular Materials Science  Molecular Materials Science	Molecular Rheology	MLA200
Molecular Engineering		Organic Materials Science	MLA300
Molecular Engineering	Molecular Materials Science	Quantum Molecular Science	MLA400
Molecular Engineering	Molecular Materials Science	Porous Physical Chemistry	MLA401
Polymer Chemistry	Advanced Polymer Chemistry	Advanced Polymer Chemistry	PC1000
Polymer Chemistry	Polymer Synthesis	Functional Polymer Synthesis(2021-)	PC2101
Polymer Chemistry	Polymer Synthesis	Synthetic Polymer Chemistry	PC2200
Polymer Chemistry	Polymer Synthesis	Polymerization Chemistry	PC2300
Polymer Chemistry	Polymer Synthesis	Bio-macromolecular Science	PC3201
Polymer Chemistry	Polymer Physics	Polymer Structure and Function	PC3100
Polymer Chemistry	Polymer Physics	Polymer Molecular Science	PC3300
Polymer Chemistry	Polymer Physics	Fundamental Physical Chemistry	PC3400
Polymer Chemistry	Polymer Design	Polymer Materials Science	PCA100
Polymer Chemistry	Polymer Design	Molecular Design of Polymer Materials	PCA200
Polymer Chemistry	Polymer Design	Polymer Controlled Synthesis	PCA300
Polymer Chemistry	Biomedical polymers	Biomaterials	PCB100
Polymer Chemistry	Biomedical polymers	Developmental System	PCB201
Synthetic Chemistry and Biological Chemistry	Organic System Design	Organic System Design	SC1000
Synthetic Chemistry and Biological Chemistry	Synthetic Chemistry	Functional Coordination Chemistry(2019-)	SC2401
Synthetic Chemistry and Biological Chemistry	Synthetic Chemistry	Physical Organic Chemistry	SC2500
Synthetic Chemistry and Biological Chemistry	Synthetic Chemistry	Organometallic Chemistry	SC2300
Synthetic Chemistry and Biological Chemistry	Biological Chemistry	Bioorganic Chemistry	SC3100
Synthetic Chemistry and Biological Chemistry	Biological Chemistry	Molecular Biology	SC3200
Synthetic Chemistry and Biological Chemistry	Biological Chemistry	Biorecognics	SC3300
Synthetic Chemistry and Biological Chemistry	Biological Chemistry	Biochemical Engineering	SC3400
Synthetic Chemistry and Biological Chemistry	Reaction Biological Chemistry	Molecular Assembly Chemistry	SCA101
Chemical Engineering	Chemical Engineering Fundamentals	Soft Matter Engineering	CG0100
Chemical Engineering	Chemical Engineering Fundamentals	Surface Control Engineering	CG0200
Chemical Engineering	Chemical Engineering Fundamentals	Chemical Reaction Engineering	CG0300
Chemical Engineering	Chemical Engineering Fundamentals	Transport Phenomena	CG0304
Chemical Engineering	Chemical Engineering Fundamentals	Dynamic Interfacial Chemistry	CG0305
Chemical Engineering	Chemical Systems Engineering	Separation Engineering	CG0400
Chemical Engineering	Chemical Systems Engineering	Energy Process Engineering(2015-)	CG0302
Chemical Engineering	Chemical Systems Engineering	Materials Process Engineering	CG0600
Chemical Engineering	Chemical Systems Engineering	Process Control and Process Systems Engineering	CG0700
Chemical Engineering	Chemical Systems Engineering	Environmental Process Engineering	CG0800
Engineering Education Research Center			GL0001
			G20001