

## Course Number List for e3 students enrolled in AY2019 and before(2nd semester, 2020)

Division etc.	Course Number	Course Title	Credit
Common Subjects for Graduate School of Engineering	093011	Internship I (インターンシップ第一E)	1
Common Subjects for Graduate School of Engineering	093012	Internship II (インターンシップ第二E)	2
Common Subjects for Graduate School of Engineering	093013	Practical English for Science and Engineering(実践科学技術英語E)	2
Applied Physics	093042	Diffraction Physics (回折物理学E)	2
Applied Physics	093045	Laser Spectroscopy (レーザー分光E)	2
Applied Physics	093046	Optical Properties of Materials (光物性E)	2
Applied Physics	093048	Physics of Condensed Matter (凝縮系物理工学E)	2
Applied Physics	093049	Optical Science (光科学E)	2
Materials Science and Engineering	093124	Advanced Thin Surface Film Engineering (表面薄膜工学E)	1
Materials Science and Engineering	093125	Novel Processings (ノーベルプロセッシング工学E)	2
Materials Science and Engineering	093126	Advanced Eco-Materials (環境材料学E)	2
Materials Science and Engineering	093129	Micro-and Nano-Processing (マイクロ・ナノプロセスE)	1
Materials Science and Engineering	093132	High-Temperature Corrosion and Protection of Materials (高温腐食防食学E)	1
Materials Science and Engineering	093134	Transmission electron microscopy for crystalline materials (結晶電子顕微鏡解析学E)	1
Materials Science and Engineering	093135	Crystal Orientation Controlling for Materials Design (結晶制御工学E)	1
Materials Science and Engineering	093137	Advanced Energy Materials(機能材料工学特論E)	2
Materials Science and Engineering	093138	Instrumental Analysis for Materials(材料機器分析特論E)	1
Materials Science and Engineering	093141	Exergy Engineering (エクセルギー工学E)	1
Common Subjects for MSPE, HMSD, EES, &QSE	093167	Solid Mechanics and Materials (固体力学E)	2
Common Subjects for MSPE, HMSD, EES, &QSE	093168	Strength and Fracture of Materials (材料強度学E)	2
Common Subjects for MSPE, HMSD, EES, &QSE	093174	Image Processing (画像工学E)	2
Common Subjects for MSPE, HMSD, EES, &QSE	093176	Advanced Mathematics for Applications (応用数学E)	2
Mechanical and Space Engineering	093214	Space Utilization Engineering (宇宙環境利用工学E)	2
Mechanical and Space Engineering	093215	Computational Fluid Mechanics (計算流体工学E)	2
Mechanical and Space Engineering	093216	Space Propulsion Engineering (宇宙輸送工学E)	2
Mechanical and Space Engineering	093218	Materials for Space Structure (宇宙材料学E)	1
Human Mechanical Systems and Design	093293	Smart Systems and Structures (スマート構造制御E)	2
Human Mechanical Systems and Design	093294	Control Problems on Robotics (ロボット制御工学E)	2
Human Mechanical Systems and Design	093295	Solid and Motion Biomechanics (固体・運動系バイオメカニクスE)	2
Human Mechanical Systems and Design	093296	BioMEMS Engineering (バイオMEMS工学E)	1
Human Mechanical Systems and Design	093302	Numerical Heat Transfer (数値熱輸送工学E)	1
Human Mechanical Systems and Design	093303	Thermal Bioengineering (生体熱工学E)	2
Human Mechanical Systems and Design	093304	Biomechanics of Circulation (循環系バイオメカニクスE)	1
Human Mechanical Systems and Design	093305	Biomedical Engineering I (バイオメディカルエンジニアリング一E)	1
Human Mechanical Systems and Design	093306	Biomedical Engineering II (バイオメディカルエンジニアリング二E)	1
Energy and Environmental Systems	093353	Nuclear Reactor Engineering (原子炉工学E)	1
Energy and Environmental Systems	093357	Nuclear Reactor Theory (原子炉物理学E)	1
Energy and Environmental Systems	093358	Materials for Nuclear and Various Energy (原子力・エネルギー材料E)	1
Energy and Environmental Systems	093359	Advanced Nuclear Waste Management (放射性廃棄物処分工学E)	1
Energy and Environmental Systems	093361	Boiling Heat Transfer and Two Phase Flow (沸騰・二相流E)	1
Energy and Environmental Systems	093362	Engine System Engineering (エンジンシステム工学E)	1
Energy and Environmental Systems	093363	Combustion in Internal Combustion Engine (エンジン燃焼工学E)	1
Quantum Science and Engineering	093423	Advanced Quantum Beam Materials (量子ビーム材料物性E)	2
Quantum Science and Engineering	093425	Applied Mathematical Physics for Plasma Engineering(応用プラズマ数理工学E)	1
Quantum Science and Engineering	093431	Surface Nanomaterials' Sciences(表面ナノ材料科学E)	1
Field Engineering for the Environment	093477	Ocean Wave Mechanics (沿岸波動力学E)	2
Field Engineering for the Environment	093478	Sediment Transport (土砂輸送特論E)	2
Field Engineering for the Environment	093479	Environmental Fluid Mechanics (環境流体力学E)	2
Field Engineering for the Environment	093480	Hydrology and Hydraulics (水文・水理学E)	2

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Field Engineering for the Environment	093483	Computational Hydraulics (数値計算水理学E)	2
Field Engineering for the Environment	093484	Disaster Mitigation Geotechnology (地盤防災学E)	2
Field Engineering for the Environment	093485	Geodynamics (地盤動力学E)	2
Field Engineering for the Environment	093486	Coastal Ecosystem and Environmental Engineering (沿岸生態環境工学E)	2
Field Engineering for the Environment	093488	Environmental Concrete Engineering (環境コンクリートE)	2
Engineering and Policy for Sustainable Environment	093545	Probability and Statistics for Planning and Experimental Design (実験計画のための確率・統計E)	2
Engineering and Policy for Sustainable Environment	093547	Lifetime Engineering for Civil Infrastructure (社会基盤施設維持管理工学E)	2
Engineering and Policy for Sustainable Environment	093553	Construction Management (コンストラクション・マネジメントE)	2
Engineering and Policy for Sustainable Environment	093554	Nonlinear Mechanics and Analysis of Hybrid Structures (複合構造の非線形解析E)	2
Common Subjects for ASD & HES	093604	Environmental Energy Engineering (環境エネルギー工学E)	2
Common Subjects for ASD & HES	093606	Urban Planning (都市環境デザイン学E)	2
Common Subjects for ASD & HES	093608	Urban Disaster Mitigation (都市防災E)	2
Common Subjects for ASD & HES	093611	Architectural and Urban Space Studies (建築都市空間学E)	2
Common Subjects for ASD & HES	093618	Building Structural Design(構造設計学E)	2
Environmental Engineering	093794	Water Quality Risk and Control (水・物質循環工学E)	2
Environmental Engineering	093799	Solid Waste Management and Disposal (廃棄物処理工学E)	2
Environmental Engineering	093800	Atmospheric Environment Engineering (大気環境保全工学E)	2
Environmental Engineering	093802	Wastewater Reclamation and Reuse (排水処理・再生工学E)	2
Sustainable Resources Engineering	093862	Environmental Geology I (環境地質学ⅠE)	2
Sustainable Resources Engineering	093863	Rock Engineering (岩盤工学E)	2
Sustainable Resources Engineering	093866	Simulation of Fluid Flow (流れの数値計算E)	2
Sustainable Resources Engineering	093867	Geotechnical Measurement Engineering (地盤計測工学E)	2
Sustainable Resources Engineering	093869	Sustainable engineering materials(サステイナブル工業材料E)	2