Curriculum (교과 과정)

Course Code	과목명(국문)	Course Title	학점
MEG001	3D 프린팅기술과응용	3D Printing Technology and Application	3-3-0
MEG002	CNC 절삭가공	CNC Machining	3-3-0
MEG003	DFSS 품질설계특론	Design for Six Sigma	3-3-0
MEG004	강화학습	Reinforcement Learning	3-3-0
MEG005	경계요소법	Boundary Element Method	3-3-0
MEG006	계측개론	Introduction to Instruments	3-3-0
MEG007	고급시스템설계	Advanced System Design	3-3-0
MEG008	고급실험응력해석	Advanced Experimental Stress Analysis	3-3-0
MEG009	고급자동제어	Special Topics on Automatic Control	3-3-0
MEG010	고등광탄성응력해석	Advanced Photoelastic Stress Analysis	3-3-0
MEG011	고등유한요소해석	Advanced Finite Element Method	3-3-0
MEG012	고체의기계적성질 I	Mechanical Behavior of Solids I	3-3-0
MEG013	고체의기계적성질 II	Mechanical Behavior of Solids II	3-3-0
MEG014	고체피로해석학	Metal Fatigue Analysis	3-3-0
MEG015	공리적설계	Axiomatic Design	3-3-0
MEG016	공리적설계의응용	Application of Axiomatic Design	3-3-0
MEG017	공압제어특론	Advanced Pneumatic Control	3-3-0
MEG018	공작기계특론 I	Advanced Machine Tools I	3-3-0
MEG019	공작기계특론 II	Advanced Machine Tools II	3-3-0
MEG020	광/나노융합공학	Opto/Nano Convergence Engineering	3-3-0
MEG021	광탄성응력해석	Photoelastic Stress Analysis	3-3-0
MEG022	구성방정식	Constitutive Equation	3-3-0
MEG023	구조진동및응용	Structural Vibrations and Their Applications	3-3-0
MEG024	구조진동특론	Advanced Structural Vibration	3-3-0
MEG025	극학재료시스템	Ultimate material system	3-3-0
MEG026	금속절삭이론 I	Fundamentals of Metal Machining I	3-3-0
MEG027	금속절삭이론 II	Fundamentals of Metal Machining II	3-3-0
MEG028	기계공작법특론	Advanced Mechanical Manufacturing Process	3-3-0
MEG029	기계설계공학 I	Mechanical Engineering Analysis I	3-3-0
MEG030	기계설계공학 II	Mechanical Engineering Analysis II	3-3-0
MEG031	기계설계특론	Advanced Machine Design	3-3-0
MEG032	기계요소해석	Analysis of Machine Elements	3-3-0
MEG033	기계재료학특론	Advanced Mechanical Materials	3-3-0
MEG034	기구학특론	Kinematic Sythesis of Mechanics	3-3-0
MEG035	기능재료시스템	Functional material system	3-3-0
MEG036	기전공학특론	Mechatronics	3-3-0

MEG108	고급기계공학실험	Advanced Mechanical Engineering Laboratory	3-3-0
MEG109	기계공학계측특론	Advanced Mechanical Engineering Instrumentation	3-3-0
MEG110	실험설계법	Design of Experiments	3-3-0
MEG111	컴퓨터응용수학	Computer Aided Applied Mathematics	3-3-0
MEG112	나노기술특론	Advanced Nanotechnology	3-3-0
MEG113	논문작성및발표	Technical Writing & Presentation	3-3-0
MEG201	열역학특론	Advanced Thermodynamics	3-3-0
MEG205	응용열공학	Applied Thermal Engineering	3-3-0
MEG206	열전달특론	Advanced Heat Transfer	3-3-0
MEG207	열시스템설계특론	Advanced Thermal System Design	3-3-0
MEG208	열교환기특론	Advanced Heat Exchanger	3-3-0
MEG213	에너지변환공학	Energy Conversion Engineering	3-3-0
MEG215	공기조화특론	Advanced Air Conditioning	3-3-0
MEG219	전자장비의냉각설계	Cooling Design of Electronic Equipment	3-3-0
MEG220	대류열및물질전달	Convective Heat and Mass Transfer	3-3-0
MEG221	다변수제어이론	Multivariable Control Theory	3-3-0
MEG222	디스플레이공학개론	Introduction to Display Engineering	3-3-0
MEG301	유체역학특론	Advanced Fluid Mechanics	3-3-0
MEG302	점성유동	Viscous Fluid Flow	3-3-0
MEG303	난류이론	Theory of Turbulence	3-3-0
MEG304	전산유체역학	Computational Fluid Dynamics	3-3-0
MEG305	터보기계	Turbomachinery	3-3-0
MEG307	랜덤데이터	Random Data	3-3-0
MEG308	레이저원리및응용	Fundamental and Application of Laser	3-3-0
MEG309	로봇공학특론	Advanced Robotics	3-3-0
MEG310	로봇제어공학	Robot Control Engineering	3-3-0
MEG311	로봇제어특론	Advanced Robot Control	3-3-0
MEG402	가솔린기관특론	Advanced Gasoline Engine	3-3-0
MEG403	디젤기관특론	Advanced Diesel Engine	3-3-0
MEG412	연소공학특론	Advanced Combustion Engineering	3-3-0
MEG413	마이크로기계전자시스템	Micro Electro-Mechanical System	3-3-0
MEG414	마이크로유동	Microflow	3-3-0
MEG415	모션제어개론	Introduction to Motion Control	3-3-0
MEG501	고체역학특론	Advanced Solid Mechanics	3-3-0
MEG506	유한요소법	Finite Element Method	3-3-0
MEG512	복합재료역학특론	Advanced Mechanics of Composite Material	3-3-0
MEG516	유한요소구조해석응용	Application of Finite Element Structural Analysis	3-3-0
MEG521	판재성형	Sheet-metal Forming	3-3-0
MEG523	발명특허특론	Advanced Invention and Patent	3-3-0

MEG524	범함수론	Functional Analysis	3-3-0
MEG525	복사열전달	Radiative Heat Transfer	3-3-0
MEG526	복합구조해석	Numerical Analysis of Composite Structures	3-3-0
MEG527	분체공학개론	Introductory Particle Technology	3-3-0
MEG528	비선형전산고체역학	Nonlinear Computational Solid Mechanics	3-3-0
MEG529	비선형점탄성역학	Nonlinear Viscoelasticity	3-3-0
MEG530	비선형제어	Nonlinear Control	3-3-0
MEG531	비선형진동	Nonlinear Oscillation	3-3-0
MEG532	비선형파괴역학	Nonlinear Fracture Mechanics	3-3-0
MEG533	비탄성역학	Inelastic Stress Analysis	3-3-0
MEG534	비파괴공학	Non-Destructive Technology	3-3-0
MEG608	동역학특론	Advanced Dynamics	3-3-0
MEG609	기계진동학특론	Advanced Mechanical Vibration	3-3-0
MEG610	시스템공학특론	Advanced System Dynamics	3-3-0
MEG611	음향학특론	Advanced Acoustics	3-3-0
MEG623	실험응력해석	Experimental Stress Analysis	3-3-0
MEG632	사출성형설계	Injection Molding Design	3-3-0
MEG633	LED 응용공학	LED Application Engineering	3-3-0
MEG634	에너지공학	Energy Engineering	3-3-0
MEG635	대체에너지공학	Alternative Energy Engineering	3-3-0
MEG636	수소에너지공학	Hydrogen Energy Engineering	3-3-0
MEG637	에너지시스템특론	Advanced Energy Systems	3-3-0
MEG638	입자역학개론	Aerosol Dynamics	3-3-0
MEG639	소성강공학특론 1	Advanced Mechanics of Plastic Working 1	3-3-0
MEG640	소성가공해석특론 1	Advanced Metal Forming Analysis 1	3-3-0
MEG641	창의공학특론	Advanced Theory of Inventive Problem Solving	3-3-0
MEG642	지능형구조의설계및응용	Smart structure design and application	3-3-0
MEG643	생산공학	Advanced Production Engineering	3-3-0
MEG644	생산관리	Production Management	3-3-0
MEG645	생산기술	Manufacturing Process	3-3-0
MEG646	생산시스템공학특론	Advanced Manufacturing System Engineering	3-3-0
MEG647	생산자동화특론	Advanced Production Automation	3-3-0
MEG648	선진재료설계시스템	Advanced Material Design System	3-3-0
MEG649	선형시스템	Linear Systems	3-3-0
MEG650	선형제어시스템	Linear Control System	3-3-0
MEG651	소성가공해석	Plastic Working Engineering	3-3-0
MEG652	소성역학특론	Advanced Plasticity	3-3-0
MEG653	소음제어	Noise Control	3-3-0
MEG654	시스템설계	Mechanical Systems Design	3-3-0

MEG655	시스템제어프로그래밍특론	Advanced System Control Programming	3-3-0
MEG656	시퀀스제어및응용	Sequence Control and Its Application	3-3-0
MEG657	신경회로망이론과응용	Neural Network Theory and Application	3-3-0
MEG658	신뢰성공학특론	Advanced Reliability Engineering	3-3-0
MEG701	세미나(1)	Seminar(1)	3-3-0
MEG702	세미나(2)	Seminar(2)	3-3-0
MEG703	역공학특론	Advanced Reverse Engineering	3-3-0
MEG704	연삭공학	Grinding Technology	3-3-0
MEG705	연속체역학	Continuum Mechanics	3-3-0
MEG706	열소성응력해석	Thermoplasticity Stress Analysis	3-3-0
MEG707	열탄성응력해석	Thermoelastic Stress Analysis	3-3-0
MEG708	영상처리개론	Introduction to Image Processing	3-3-0
MEG709	용접공학	Welding Technology	3-3-0
MEG710	유리공학	Glass Engineering	3-3-0
MEG711	유압공학응용	Application of Fluid Power	3-3-0
MEG712	유압공학특론	Advanced Fluid Power	3-3-0
MEG713	유압서보시스템	Hydraulic Servo System	3-3-0
MEG714	유연전자개론	Introduction to Flexible Electronics	3-3-0
MEG715	유전자알고리즘과응용	Genetic Algorithm and Its Application	3-3-0
MEG716	윤활공학	Tribology	3-3-0
MEG717	응용기계진동학	Applied Mechanical Vibration	3-3-0
MEG718	응용로봇공학	Applied Robotics	3-3-0
MEG719	응용수치해석	Applied Numerical Analysis	3-3-0
MEG720	응용수학 I	Applied Mathematics I	3-3-0
MEG721	응용수학 II	Applied Mathematics II	3-3-0
MEG722	응용유체역학	Applied Fluid Mechanics	3-3-0
MEG723	이동로봇	Mobile robot	3-3-0
MEG724	이산제어	Discrete Control	3-3-0
MEG725	인공지능과머신러닝	Artificial Intelligence and Machine Learning	3-3-0
MEG726	임베디드시스템특론	Advanced Embedded System	3-3-0
MEG727	입력하중측정및처리	Input Load Acquisition & Processing	3-3-0
MEG801	자동제어특론	Advanced Automatic Control	3-3-0
MEG802	장비설계및제어프로그래밍 I	Machine Design and Control Programming 1	3-3-0
MEG803	장비설계및제어프로그래밍 II	Machine Design and Control Programming II	3-3-0
MEG804	재료공학특론	Advanced Material Engineering	3-3-0
MEG805	재료과학개론	ntroduction to Material Science	3-3-0
MEG806	재료시험법특론	Advanced Material Testing	3-3-0
MEG807	재료의동적거동	Dynamic Behavior of Materials	3-3-0
MEG808	적응제어	Adaptive Control	3-3-0

MEG809	전동기역학	Dynamics of Electric Motors	3-3-0
MEG810	전문가시스템응용	Expert System Applications in Manufacturing	3-3-0
MEG811	전산구조해석	Computational Structure Analysis	3-3-0
MEG812	전산기원용설계및제작	CAD/CAM	3-3-0
MEG813	전산비선형응력해석	Computational Nonlinear Stress Analysis	3-3-0
MEG814	전산응용개론	Introduction to Computer Application	3-3-0
MEG815	전산점탄성해석	Computational Viscoelastic Analysis	3-3-0
MEG816	전산파괴역학	Computational Fracture Mechanics	3-3-0
MEG817	전자공학특론	Advanced Electronics	3-3-0
MEG818	전자기구설계특론	Advanced of Electronic Kinematic Design	3-3-0
MEG819	전자장비개론	Introduction to Electronic Equipments	3-3-0
MEG820	전자회로특론	Advanced Electronic Circuits	3-3-0
MEG821	점소성역학	Viscoplasticity	3-3-0
MEG822	점탄성고분자재료	Viscoelastic Properties of Polymers	3-3-0
MEG823	점탄성역학	Theory of Viscoelasticity	3-3-0
MEG824	접촉역학 I	Contact Mechanics I	3-3-0
MEG825	접촉역학 II	Contact Mechanics II	3-3-0
MEG826	접합공학	Sealing Technology	3-3-0
MEG827	정밀가공특론 I	Advanced Precision Machining I	3-3-0
MEG828	정밀가공특론 II	Advanced Precision Machining II	3-3-0
MEG829	정밀계측공학	Precise Measurement Engineering	3-3-0
MEG830	정밀기계시스템설계	Design of Precision Machine System	3-3-0
MEG831	제조공정설계	Manufacturing Process Design	3-3-0
MEG832	제품디자인과응용 I	Application of Design I	3-3-0
MEG833	제품디자인과응용 II	Application of Design II	3-3-0
MEG834	중급유체역학	Intermediate Fluid Mechanics	3-3-0
MEG835	지능구조물설계	Design of Smart Structures	3-3-0
MEG836	지능기계	Intelligence Machine	3-3-0
MEG837	지능제어	Intelligent control	3-3-0
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MEG904	석사논문연구	Paper Research Work	2-2-0
MEG916	박사논문연구(1)	Advanced Paper Research Work(1)	2-2-0
MEG917	박사논문연구(2)	Advanced Paper Research Work(2)	2-2-0
MEG918	초입자가공학	Superabrasive Machining	3-3-0
MEG919	초정밀구동시스템및응용	Ultraprecision Motion System and Applications	3-3-0
MEG920	최적공업설계특론	Numerical Optimization for Engineering Design	3-3-0
MEG921	최적설계	Optimal Design	3-3-0
MEG922	최적제어	Optimal Control	3-3-0
MEG923	친환경대체공정특론	Alternative Green Manufacturing Process	3-3-0

MEG924	컴퓨터원용해석	Computer Aided Analysis	3-3-0
MEG925	탄성론	Theory of Elasticity	3-3-0
MEG926	특수가공론	Nontraditional Manufacturing	3-3-0
MEG927	파괴및비파괴제어시스템	Fracture·NDT Control System	3-3-0
MEG928	파괴역학	Fracture Mechanics	3-3-0
MEG929	파괴역학실험법	Experimental Fracture Mechanics	3-3-0
MEG930	파괴역학의응용	Applications of Fracture Mechanics	3-3-0
MEG931	퍼지이론과응용	Fuzzy Theory and Application	3-3-0
MEG932	평판및쉘공학해석	Engineering Analysis of Plates & Shells	3-3-0
MEG933	플래스틱공학	Plastics Engineering	3-3-0
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MEG935	확률및통계학	Probability and Statistics	3-3-0
MEG936	회전체역학	Rotor Dynamics	3-3-0