

2013 학년도 대학원 기계공학과 교육과정

◆ 교육과정 편성표

과목번호	과목명	영문명	학점
MECH711	전도열전달	Conduction Heat Transfer	3-3-0
MECH712	대류열전달	Convection Heat Transfer	3-3-0
MECH713	내연기관특론	Advanced Theory of Internal Combustion Engine	3-3-0
MECH715	고속유체역학	High Speed Flow Dynamics	3-3-0
MECH717	유체역학특론	Advanced Fluid Mechanics	3-3-0
MECH718	전산유체역학	Computational Fluid Dynamics	3-3-0
MECH719	이상유체역학	Ideal Fluid Mechanics	3-3-0
MECH722	전자실장및열제어	Electronic Packaging and Thermal Control	3-3-0
MECH723	응용열역학특론	Advanced Applied Thermodynamics	3-3-0
MECH724	압축성유체역학	Compressible Fluid Mechanics	3-3-0
MECH725	경계층유동	Boundary Layer Flow	3-3-0
MECH726	생체공학	Bio Engineering	3-3-0
MECH727	기계공학대학원세미나1	Seminar in Mechanical Engineering1	3-3-0
MECH728	기계공학대학원세미나2	Seminar in Mechanical Engineering2	3-3-0
MECH751	진동학	Vibration	3-3-0
MECH753	응력해석법1	Stress Analysis Method1	3-3-0
MECH754	재료강도론1	Mechanical Behavior of Material1	3-3-0
MECH755	정밀가공특론	Advanced Precision Machining	3-3-0
MECH756	실험자동화	Automation of Experimental	3-3-0
MECH757	탄성학	Elasticity	3-3-0
MECH758	유한요소법1	Finite Element Method1	3-3-0
MECH761	파괴역학1	Fracture Mechanics1	3-3-0
MECH762	상태공간제어시스템	State Space Control Systems	3-3-0
MECH763	제어시스템해석	Control System Analysis	3-3-0
MECH764	소성학	Plasticity	3-3-0
MECH765	유한요소법2	Finite Element Method2	3-3-0
MECH767	확률시스템분석	Stochastic System and analysis	3-3-0
MECH768	역학특론	Advanced Dynamics	3-3-0
MECH771	트라이볼로지특론	Advanced Tribology	3-3-0
MECH772	음향공학특론1	Advanced Acoustic Engineering1	3-3-0
MECH773	지능생산시스템	Intelligent Manufacturing Systems	3-3-0
MECH774	최적설계특론	Advanced Design Optimization	3-3-0
MECH775	우주항공구조역학	Aerospace Structural Mechanics	3-3-0
MECH776	초소형기계기술	Micro-Machine Technology	3-3-0
MECH777	고등공학수학1	Advanced Engineering Mathematics1	3-3-0
MECH778	고등공학수학2	Advanced Engineering Mathematics2	3-3-0
MECH799	석사학위 논문연구 (기계공학)	Thesis : Mechanical Engineering	3-3-0
MECH811	비등열전달	Boiling Heat Transfer	3-3-0
MECH812	복사열전달	Radiation Heat Transfer	3-3-0
MECH814	연소공학특론	Advanced Combustion Engineering	3-3-0
MECH815	분무공학	Atomization Engineering	3-3-0
MECH818	충격파이론	Shock Wave Theory	3-3-0
MECH819	에너지변환유동공학	Energy Conversion Engineering	3-3-0
MECH821	난류이론	Turbulence Theory	3-3-0
MECH822	터보기계	Turbomachinery	3-3-0
MECH824	비뉴턴유체역학및열전달	Non-Newtonian Fluid Flow and Heat Transfer	3-3-0
MECH825	2상유동및열전달	Two Phase Flow and Heat Transfer	3-3-0

MECH826	열전달향상이론	Principles of Heat Transfer Enhancement	3-3-0
MECH831	고급열전달	Advanced Heat Trnsfer	3-3-0
MECH832	로켓공학	Rocket Engineering	3-3-0
MECH833	비평형응축이론	Nonequilibrium Condensation Theory	3-3-0
MECH834	전산유체역학특론	Advanced Computational Fluid Mechanics	3-3-0
MECH835	생체유변학	Bio-Rheology	3-3-0
MECH854	응력해석법2	Stress Analysis Method2	3-3-0
MECH855	재료강도론2	Mechanical Behavior of Material2	3-3-0
MECH856	파괴역학2	Fracture Mechanics2	3-3-0
MECH858	복합재료특론	Advanced Composite Material	3-3-0
MECH859	절삭이론	Theory of Metal Cutting	3-3-0
MECH861	비선형유한요소해석	Nonlinear Finte Element Analysis	3-3-0
MECH862	판각이론	Plates and Shells	3-3-0
MECH863	탄성파동론	Elastic Stress Waves	3-3-0
MECH865	접촉역학	Contact Mechanics	3-3-0
MECH866	피로파괴특론	Advanced Fatigue Fracture	3-3-0
MECH867	디지털제어이론	Digital Control Theory	3-3-0
MECH868	제어특론1	Advanced Control Engineering1	3-3-0
MECH869	제어특론2	Advanced Control Engineering2	3-3-0
MECH871	연속체역학특론	Advanced Continuum Mechanics	3-3-0
MECH872	전산기원용설계	Computer Aided Design	3-3-0
MECH873	소성역학특론	Advanced Theory of Plasticity	3-3-0
MECH874	통계적시스템해석	Statistical System Analysis	3-3-0
MECH875	생산시스템	Manufacturing Systems	3-3-0
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MECH881	트라이보시스템설계	Tribosystem Design	3-3-0
MECH883	음향공학특론2	Advanced Acoustic Engineering2	3-3-0
MECH918	로봇공학특론	Advanced Robotics	3-3-0
MECH999	박사학위 논문연구 (기계공학)	Dissertation : Mechanical Engineering	3-3-0
SENS824	초음파공학	Ultrasonic Wave Engineering	3-3-0