

2023학년도 대학원 교육과정표

이수구분	교과목번호	교 과 목 명(영문명)	학 점	비고
			(학점-이론-실습)	
항공우주 공학전공 (석박사 공용)	AE6000053	V/STOL공기역학 (V/STOL Aerodynamics)	3-3-0	BK/UV
	AE6000211	경계층이론 (Boundary Layer Theory)	3-3-0	
	AE6000515	고체역학특론 (Advanced Solid Mechanics)	3-3-0	BK/UV
	AE6000554	공력탄성학 (Theory of Aeroelasticity)	3-3-0	
	AE6100111	난류이론 (Theory of Turbulence)	3-3-0	
	AE6100280	대류열전달 (Convective Heat Transfer)	3-3-0	BK
	AE6100480	동역학특론 (Advanced Dynamics)	3-3-0	BK/UV
	AE6200013	복합재료역학 (Mechanics of Composite Materials)	3-3-0	BK/UV
	AE6200226	비선형제어 (Nonlinear Control)	3-3-0	
	AE6200259	비행동역학특론 (Advanced Flight Dynamics)	3-3-0	UV
	AE6200706	선형제어 (Linear Control)	3-3-0	BK
	AE6200713	선형진동론 (Theory of Linear Vibration)	3-3-0	
	AE6200888	논문연구 (Thesis Research)	3-3-0	UV
	AE6200935	소성가공특론 (Advanced Application of Theory of Plasticity)	3-3-0	
	AE6300489	연소공학특론 (Advanced Combustion Engineering)	3-3-0	UV
	AE6300518	열역학특론 (Advanced Thermodynamics)	3-3-0	BK/UV
	AE6300636	우주역학특론 (Advanced Space Dynamics)	3-3-0	
	AE6300791	유체역학특론 (Advanced Hydrodynamics)	3-3-0	BK/UV
	AE6300811	유한요소법 (Finite Element Method)	3-3-0	BK/UV
	AE6300817	유한요소법특론 (Advanced Finite Element Method)	3-3-0	BK
	AE6400220	재료강도론 (Theory of Strength of Materials)	3-3-0	
	AE6400960	최적제어 (Optimal Control)	3-3-0	UV
	AE6500138	터보기계 (Turbomachinery)	3-3-0	
	AE6500180	통계추정이론 (Statistical Estimation Theory)	3-3-0	BK/UV
	AE6500973	항공기추진기관특론 (Advanced Aircraft Propulsion)	3-3-0	UV
	AE6500976	항공역학특론 (Advanced Aerodynamics)	3-3-0	BK/UV
	AE6500980	항공우주열전달 (Aerospace Heat Transfer)	3-3-0	BK/UV
	AE6800713	공학수학 (Engineering Mathematics)	3-3-0	
	AE6800714	전산유체역학(I) (Computational Fluid Dynamics(I))	3-3-0	BK/UV
	AE6800715	우주추진기관특론 (Advanced Space Propulsion)	3-3-0	
	AE6800716	전산유체역학(II) (Computational Fluid Dynamics(II))	3-3-0	
	AE7200354	비행시험 (Flight Experiment)	3-3-0	
	AE7500065	통계적데이터모델링 (Statistical Data Modeling)	3-3-0	BK
AE7500741	항공우주공학특론(I) (Advanced Special Topics in Aerospace Engineering(I))	3-3-0		
AE7500742	항공우주공학특론(II) (Advanced Special Topics in Aerospace Engineering(II))	3-3-0		
AE7600488	파괴역학특론 (Advanced Fracture Mechanics)	3-3-0	BK	
AE7600489	응용공기역학특론 (Advanced Applied Aerodynamics)	3-3-0	BK	
AE7600490	항공우주시스템통합설계 (Integrated Design of Aerospace System)	3-3-0	BK/UV	
AE7600700	유도항법제어특론 (Advanced Guidance Navigation Control)	3-3-0	BK	
AE7600701	우주시스템특론(Advanced Space System)	3-3-0		
(BK트랙 신설)	AE6001050	산학공동연구(I) (Industry-Academia Cooperative Study(I))	3-3-0	BK
	AE6001051	산학공동연구(II) (Industry-Academia Cooperative Study(II))	3-3-0	BK
	AE7600482	무인기특론 (Advanced UAV Theory)	3-3-0	BK
	AE7600483	임베디드시스템 (Embedded System)	3-3-0	BK
	AE7600484	영상처리 (Image Processing)	3-3-0	BK
	AE7600485	하이브리드추진장치 (Hybrid Propulsion)	3-3-0	BK
	AE7600491	드론통합설계 (Integrated Design of Drone)	3-3-0	BK

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			(학점-이론-실습)		
	AE7600492	전기동력장치 (Electric Propulsion)	3-3-0	BK	
	AE7600494	로봇공학특론 (Advanced Robotics)	3-3-0	BK	
	AE7600659	축소기저법 (Reduced Basis Method)	3-3-0	BK/UV	
융합 전공	무인이동체 융합전공 (석박사 공용)	UV6001041	무인이동체지식기반의사결정설계시스템실습 (Knowledge Based Decision Making Design System Practice for Unmanned Mobile System)	3-3-0	UV
		UV6001042	무인이동체빅데이터및AI개론 (Introduction to Unmanned Mobile System Big Data and Artificial Intelligence)	3-3-0	UV
		UV6001043	무인이동체성능평가시뮬레이터실습 (Performance Evaluation Simulation Practice for Unmanned Mobile System)	3-3-0	UV
		UV6001044	무인비행체계개념설계 (Conceptual Design of Unmanned Aerial Vehicle)	3-3-0	UV
		UV6001045	무인비행체공력해석및성능예측실습 (Unmanned Aerial Vehicle Aerodynamic Analysis and Performance Prediction Practice)	3-3-0	UV
		UV6800742	시뮬레이션기반시스템설계 (Simulation-based System Design)	3-3-0	조선
		UV7000852	응용전산유체역학Applied (Computational Techniques on Fluid Dynamics)	3-3-0	조선
		UV7000855	선체저항특론 (Advanced Theory of Ship Resistance)	3-3-0	조선
		UV7000856	선체유동제어특론 (Advanced Theory of Ship Flow Control)	3-3-0	조선
		UV7500557	선박조종제어론 (Ship Maneuverability and Control)	3-3-0	조선
		UV7500565	해양유체동역학 (Marine Hydrodynamics)	3-3-0	조선
		UV7500566	해양공학실험Physical (Modeling of Ocean Engineering)	3-3-0	조선
		UV7600752	부유체동역학 (Floating body dynamics)	3-3-0	조선
		UV7700040	AI-CFD기반최적형상설계 (Optimal Design based on AI-CFD)	3-3-0	조선
		UV7700041	데이터기반수상무인이동체성능예측실습 (Performance Prediction Laboratory for Unmanned Surface Vehicle based on Real Navigation Data)	3-3-0	조선

학과(부)명		전공	논문연구	수료학점
항공우주공학과 (항공우주공학전공)	석사	18학점 이상	6학점	24학점 이상
	박사	27학점 이상	9학점	36학점 이상
	석·박 통합	48학점 이상	12학점	60학점 이상