Table of Curriculum (Graduate Program)

Classification	Course No.	Code	Course Name	Credit(s) (Homework)	Semester	Remark
Elective Major Courses	AI501	F2.501	Machine Learning for AI	3:0:3	Spring or Fall	◎
	AI502	F2.502	Deep Learning	3:0:3	Spring or Fall	
	AI503	F2.503	Mathematics for AI	3:0:3	Spring or Fall	
	AI504	F2.504	Programming for AI	3:0:3	Spring or Fall	
	AI505	F2.505	Optimization for AI	3:0:3	Spring or Fall	◎
	AI506	F2.506	Data Mining and Search	3:0:3	Spring or Fall	◎
	AI601	F2.601	Advanced Machine Learning for AI	3:0:3	Spring or Fall	
	AI602	F2.602	Advanced Deep Learning	3:0:3	Spring or Fall	
	AI603	F2.603	Machine Learning Theory	3:0:3	Spring or Fall	
	AI604	F2.604	Deep Learning for Computer Vision	3:0:3	Spring or Fall	
	AI605	F2.605	Deep Learning for Natural Language Processing	3:0:3	Spring or Fall	
	AI606	F2.606	Recommender Systems	3:0:3	Spring or Fall	
	AI607	F2.607	Graph Mining and Social Network Analysis	3:0:3	Spring or Fall	
	AI608	F2.608	AI-based Time Series Analysis	3:0:3	Spring or Fall	
	AI609	F2.609	Parallel and Distributed Computation for AI	3:0:3	Spring or Fall	
	AI610	F2.610	Sequential Decision Making under Uncertainty	3:0:3	Spring or Fall	
	AI611	F2.611	Deep Reinforcement Learning	3:0:3	Spring or Fall	
	AI612	F2.612	Machine Learning for Healthcare	3:0:3	Spring or Fall	
	A613	F2.613	Musical Applications of Machine Learning	3:0:3	Fall	
	AI614	F2.614	Robot Task and Motion Planning	3:0:3	Spring or Fall	
	AI615	F2.615	Information Theory	3:0:3	Fall	
	AI701	F2.701	Bayesian Machine Learning	3:0:3	Spring or Fall	
	AI702	F2.702	Interpretability and Interactivity in AI	3:0:3	Spring or Fall	
	AI703	F2.703	Systems and Applications of Artificial Intelligence and Machine Learning	3:0:3	Spring	
	AI704	F2.704	Embodied Intelligence	3:0:3	Spring or Fall	
	AI810	F2.810	Special Topics in Artificial Intelligence	3:0:3	Spring, Summer Fall, Winter	
Research	AI960	F2.960	M.S. Thesis Research		Spring and Fall	
	AI966	F2.966	M.S. Seminar	1:0:1	Spring and Fall	
	AI980	F2.980	Ph.D. Thesis Research		Spring and Fall	
	AI986	F2.986	Ph.D. Seminar	1:0:1	Spring and Fall	

◎: A Course mutually recognized by undergraduate and graduate programs.

Korea Advanced Institute of Science and Technology