Curriculum

❑ Graduate Course

Classification		Subject No.	Subject Name	Lecture:Lab.: Credit (assignment)	Semester	Remark
Mandatory General Course	Mand-atory	CC010	Special Lecture on Leadership	1:0:0	Fall	
		CC020	Ethics and Safety I	1AU	Spring·Fall	
	Choose 1	CC500	Scientific Writing	3:0:3	Spring·Fall	
		CC510	Introduction to Computer Application	2:3:3	Spring·Fall	
		CC511	Probability and Statistics	2:3:3	Spring·Fall	*IE641
		CC513	Engineering Economy and Cost Analysis	3:0:3	Fall	*IE522
		CC522	Introduction to Instruments	2:3:3	Fall	
		CC530	Entrepreneurship and Business Strategies	3:0:3	Fall	
		CC531	Patent Analysis and Invention Disclosure	3:0:3	Spring·Fall	
		CC532	Collaborative System Design and Engineering	4:0:4	Spring	
Elective Course		KSE521	Business Intelligence	3:0:3(6)	Fall	**
		KSE522	Knowledge System Modeling and Design	3:0:3(6)	Fall	**
		KSE523	Knowledge Service Design Using Web Technologies	3:1:3(6)	Fall	**
		KSE524	Information Search and Management	3:1:3(6)	Spring	**
		KSE525	Data Mining and Knowledge Discovery	3:0:3(6)	Spring	**
		KSE526	Analytical Methodologies for Big Data	3:0:3(6)	Fall	**
		KSE531	Human-Computer Interaction: Theory and Design	3:0:3(6)	Spring	**
		KSE611	Introduction to Learning Science	3:0:3(6)	Fall	
		KSE612	Human Decision Making and Support	3:0:3(6)	Spring	
		KSE621	Advanced Techniques in Information Retrieval and Data Mining	3:1:3(6)	Fall	
		KSE622	Soft-computing in Intelligent System Design	3:0:3(6)	Fall	
		KSE623	Knowledge Structure and Modeling	3:1:3(6)	Spring	
		KSE624	Mobile and Pervasive Computing for Knowledge Services	3:1:3(6)	Fall	
		KSE625	Data Mining for Social Networks	3:0:3(6)	Fall	
		KSE631	Content Networking	3:0:3(6)	Spring	
		KSE641	Cognitive Engineering	3:0:3(6)	Fall	
		KSE643	Knowledge Engineering and Intelligent Decision Making	3:0:3(6)	Spring	
		KSE651	Organizational Learning and Knowledge Consulting	3:0:3(6)	Spring	
		KSE652	Intelligent Social Computing	3:0:3(6)	Fall	
		KSE653	Service UX Design	3:0:3(6)	Spring	
		KSE801	Special Topics in Intelligent Service Engineering I	3:0:3		
		KSE808	Invited Lectuer I	1:0:1		
		KSE809	Invited Lectuer II	2:0:2		
Research		KSE960	MS Thesis			
		KSE966	Seminar in MS	1:0:1	Spring·Fall	
		KSE980	Ph.D Thesis			
		KSE986	Seminar in Ph.D	1:0:1	Spring·Fall	

※ Notse: 1) ** stands for courses open to both undergraduate and graduate students
2) * stands for substitutable courses