

○ List of Courses(2024)

Classification	Course No.	Course Name	Lecture; Lab.; Credit (Assignment)	Semester	Note
General Course Mandatory	ITM501	Innovation Management	3:0:3	Fall	
	ITM502	Entrepreneurship	3:0:3	Spring	
Elective (Research Methodology)	ITM511	Statistical Analysis	3:0:3	Spring	
	ITM601	Research Methodologies I	3:0:3	Fall	
	ITM701	Advanced Econometrics	3:0:3	Spring	
	ITM702	Research Methodologies II	3:0:3	Spring	
Elective (General Technology Management)	ITM503	Managerial Economics for Technology Management	3:0:3	Spring	
	ITM504	Finance and Accounting for Technology Management	3:0:3	Fall	
	ITM505	Marketing Management for Technology Management	3:0:3	Fall	
	ITM550	Finance for Technology Management	3:0:3	Spring	
	ITM561	Negotiation and Communication	3:0:3	Spring	
	ITM570	Process and Operations Management	3:0:3	Spring	
	ITM580	Survey of Intellectual Property and Business Law	3:0:3	Fall	©
	ITM590	Data-driven Technology Strategy Development	3:0:3	Fall	
	ITM638	Innovation Policy	3:0:3	Spring	

Classification	Course No.	Course Name	Lecture; Lab.; Credit (Assignment)	Semester	Note
	ITM811	Special Topics in Technology Management	3:0:3	Spring	
Elective (Innovation & Entrepreneurship)	ITM540	Strategy for Innovative Business	3:0:3	Fall	
	ITM560	Leadership for Innovative Organization	3:0:3	Spring	
	ITM565	License Agreement	3:0:3	Spring	◎
	ITM567	M&A and Corporate Restructuring	3:0:3	Fall	◎
	ITM610	Formation and Implementation of Entrepreneurial Ventures	3:0:3	Spring	
	ITM620	Technology Commercialization Strategy and Platform Business	3:0:3	Spring	
	ITM621	R&D Planning and TRM	3:0:3	Fall	
	ITM622	Value Innovation: Theory and Practice	3:0:3	Fall	
	ITM630	Asia Innovation Model & Policy	3:0:3	Spring	
	ITM631	Open Innovation Strategy	3:0:3	Spring	
	ITM633	The Knowledge Industry	3:0:3	Spring	
	ITM634	Innovation Ecosystem	3:0:3	Fall	
	ITM635	Entrepreneurial law	3:0:3	Spring	
	ITM636	Service innovation in Industries	3:0:3	Fall	
	ITM637	Innovation System from Entrepreneurial Ecosystem Perspective	3:0:3	Fall	

Classification	Course No.	Course Name	Lecture; Lab.; Credit (Assignment)	Semester	Note
	ITM640	Integrated Perspective of New Product Development	3:0:3	Fall	
	ITM662	Architecture Innovation and Monozukuri	3:0:3	Fall	
	ITM664	Industry Value Chain and Company Development	3:0:3	Spring	
	ITM666	Advanced Innovation Seminar	3:0:3	Spring	
	ITM668	Qualitative Research Methodology in Innovation Study	3:0:3	Fall	
	ITM671	Energy, Environment, Water and Sustainability Technology Foresight	3:0:3	Fall	
	ITM672	Nano-Convergence Technology Business Foresight(NTB)	3:0:3	Fall	
	ITM675	Startup Valuation and Venture Investment Practices	3:0:3	Spring/Fall	
	ITM680	Case Development in Technology Management	3:0:3	Spring/Fall	
	ITM700	Technology Commercialization Design and Customer Development	0:9:3	Fall	
	ITM800	Special Topics(3) in Innovation and strategy	3:0:3	Spring/Fall	
	ITM801	Special Topics(1) in Innovation and strategy	1:0:1	Spring/Fall	
	ITM802	Special Topics(2) in Innovation and strategy	2:0:2	Spring/Fall	

Classification	Course No.	Course Name	Lecture; Lab.; Credit (Assignment)	Semester	Note
	ITM805	Special Topics(3) on Entrepreneurship	3:0:3	Fall	
	ITM806	Special Topics(3) on Strategy & Marketing	3:0:3	Fall	
	ITM807	Special Topics(3) on ommercialization	3:0:3	Fall	
Elective (Digital Transformation & Technology)	ITM512	Data Analysis with Open Software	3:0:3	Fall	©
	ITM520	Information & Communication Technology Foresight	3:0:3	Fall	
	ITM521	IT Applications Foresight	1.5:0:1.5	Fall	
	ITM522	Communications Network Foresight	1.5:0:1.5	Fall	
	ITM523	Artificial Intelligence Patent Strategy	3:0:3	Spring/Fall	
	ITM525	Bio-Medical Technology Foresight	3:0:3	Fall	
	ITM526	Bio Technology Foresight	1.5:0:1.5	Fall	
	ITM530	Energy, Environment, Water, and Sustainability Technology Foresight	3:0:3	Fall	
	ITM531	Nano-Convergence Technology Business Foresight(NTB)	3:0:3	Fall	
	ITM532	Environment Technology Foresight	1.5:0:1.5	Spring/Fall	
	ITM533	NANO Technology Foresight	1.5:0:1.5	Spring/Fall	
	ITM534	Convergence Technology Foresight	1.5:0:1.5	Spring/Fall	

Classification	Course No.	Course Name	Lecture; Lab.; Credit (Assignment)	Semester	Note
	ITM655	Big Data Analytics for Business Planning	3:0:3	Spring/Fall	
	ITM660	Strategic Management of ICT Innovation	3:0:3	Spring/Fall	
	ITM661	Corporate Strategic New Product Development	3:0:3	Spring/Fall	
	ITM812	Special Topics on High-technology	3:0:3	Spring/Fall	
Research	ITM960	M.S. Thesis Research		Spring/Fall	
	ITM965	Individual/Group Study in M.S		Spring/Fall	
	ITM980	Ph.D. Dissertation Research		Spring/Fall	
	ITM985	Individual/Group Study in Ph.D		Spring/Fall	
	ITM991	Internship Program I	0:6:1	Summer/Winter	
	ITM993	Internship Program II	0:18:3	Spring/Fall	
	ITM995	International Internship	0:18:3	Spring/Fall	

□: Prerequisite

◎: Course mutually recognized by undergraduate and graduate programs

※Course classification, course title, and mutual recognition of credits may differ according to the effective year of the requirements.

Substitute Course List

Substitute courses in the department					
Category	Courses currently offered		Courses not currently offered		
	Course no.	Course title	Course no.	Course title	Remark
Postgraduate Course	ITM504	Finance and Accounting	ITM504	Finance and Accounting	
	ITM560	Leadership for Innovative Organization	ITM560	Leadership for Innovative Organization	
	ITM630	Asia Innovation Model & Policy	ITM630	Cluster Innovation Cases and Practice	
	ITM565	License Agreement	ITM665	License Agreement	
	ITM567	M&A and Corporate Restructuring	ITM667	M&A and Corporate Restructuring	

Substitute courses offered by other departments					
Category	Courses offered by the department		Courses offered by other departments		
	Course no.	Course name	Course no.	Course name	Remark
Postgraduate Course	ITM511	Statistical Analysis	MSB500	Advanced Statistics for Management	
	ITM505	Marketing Management	MSB536	Marketing Management	
	ITM550	Finance for technology Executive	MSB535	Corporate Finance Theory	
	ITM601	Research Methodologies I	MSB601	Research Methodology in Business and Technology Management	
	ITM701	Advanced Econometrics	MSB701	Advanced Econometrics	
	ITM702	Research Methodologies II	MSB702	Research Methodologies II	

※Substitute courses may differ according to the effective year of the requirements.