

# Table of Curriculum

Course Classification		Subject No.	Subject Code	Subject Name	Lecture:Lab: Credit (Homework)	Semester	Remark
Mandatory General Course	Mandatory	CC010	11.010	Special Lecture on Leadership	1:0:0	Spring/Fall	Required for MS graduation
		CC020	11.020	Ethics and Safety	1AU	Spring/Fall	Required for MS-PhD graduation
	Choice 1	CC500	11.500	Scientific Writing	3:0:3(4)	Spring/Fall	
		CC510	11.510	Introduction to Computer Application	2:3:3(10)	Spring/Fall	
		CC511	11.511	Probability and Statistics	2:3:3(6)	Spring/Fall	
		CC512	11.512	Introduction to Materials Science and Engineering	3:0:3(6)	Spring/Fall	
		CC513	11.513	Engineering Economy and Cost Analysis	3:0:3(6)	Spring/Fall	
		CC522	11.522	Introduction to Instruments	2:3:3(8)	Fall	
		CC530	11.530	Entrepreneurship and Business Strategies	3:0:3(6)	Spring	
		CC531	11.531	Patent Analysis and Invention Disclosure	3:0:3(6)	Spring/Fall	
		CC532	11.532	Collaborative System Design and Engineering	4:0:4(0)	Spring	
CC533	11.533	Entrepreneurial Leadership	3:0:3(6)	Spring/Fall			
Major Mandatory Course		GCT501	43.501	Introduction to Culture Technology	3:2:3(6)	Spring	◎
Elective Courses		GCT502	43.502	Aesthetics in the Digital Age	3:0:3(6)	Spring	◎
		GCT504	43.504	Cyberpsychology	3:0:3(6)	Fall	◎
		GCT505	43.505	Human-Computer Interaction	3:0:3(6)	Spring	◎
		GCT522	43.522	Computer Graphics Theory and Application	3:0:3(6)	Fall	◎
		GCT523	43.523	Computing for CT	3:0:3(6)		◎
		GCT525	43.525	Motion Graphics	3:0:3(6)	Spring	◎
		GCT533	43.533	Sound Design and Programming	3:3:3(0)	Spring/Fall	◎
		GCT535	43.535	Sound Technology for Multimedia	3:0:3(6)	Spring	◎
		GCT536	43.536	Cognitive Science of Music	3:0:3(6)	Spring/Fall	◎
		GCT543	43.543	Game Design	3:0:3(6)		◎
		GCT544	43.544	Game Studies (Ludology)	3:0:3(6)	Fall	◎
		GCT547	43.547	Dynamics of Human-Computer Interaction	3:0:3(6)	Fall	◎
		GCT551	43.551	Digital Design	3:0:3(6)		◎
		GCT554	43.554	Digital Architecture	3:0:3(6)	Spring	◎
		GCT555	43.555	3D Interaction Design	3:0:3(6)	Fall	◎
		GCT556	43.556	Digital Fashion	3:0:3(6)	Spring	◎
		GCT559	43.559	Computational Design	3:0:3(6)	Fall	◎
		GCT561	43.561	Scientific Concepts and Thinking	3:0:3(6)		◎
		GCT564	43.564	Introduction to Data Analytics Using R	3:0:3(6)	Spring	◎
		GCT565	43.565	Augmented Humans	3:0:3(6)	Fall	◎
		GCT572	43.572	Computer-mediated Communication	3:0:3(6)	Spring	◎
		GCT573	43.573	Cognition and Emotion	3:0:3(6)	Fall	◎

Course Classification	Subject No.	Subject Code	Subject Name	Lecture:Lab: Credit (Homework)	Semester	Remark
	GCT574	43.574	Story Design	3:0:3(6)	Spring	◎
	GCT576	43.576	Social Computing	3:0:3(6)	Fall	◎
	GCT582	43.582	Culture Content Industry	3:0:3(6)	Fall	◎
	GCT583	43.583	Museum Technology in Digital Era	3:0:3(6)	Spring	◎
	GCT600	43.600	Augmented Reality Project	3:0:3(6)	Spring/Fall	
	GCT606	43.606	Digital Performance	3:0:3(6)	Fall	
	GCT611	43.611	Digital Heritage	3:0:3(6)	Fall	
	GCT612	43.612	Cultural Archetype and Image Code	3:0:3(6)	Spring/Fall	
	GCT622	43.622	Digital Creatures	3:0:3(6)	Fall	
	GCT623	43.623	Interaction Sensing Principle & Application	3:0:3(6)	Spring	
	GCT633	43.633	Audio and Multimedia Programming	3:0:3(6)	Spring	
	GCT634	43.634	Musical Applications of Machine Learning	3:0:3(6)	Spring/Fall	
	GCT651	43.651	Media Interaction Design	3:0:3(6)	Fall	
	GCT653	43.653	Virtual Reality and Virtual Worlds	3:0:3(6)		
	GCT662	43.662	Human-Robot Interaction	3:0:3(6)	Spring	
	GCT671	43.671	Social-aware Ubiquitous Computing	3:0:3(6)	Spring	
	GCT674	43.674	Knowledge-based System Design	3:0:3(6)	Spring/Fall	
	GCT675	43.675	Theory and Applications in Culturoinformatics	3:0:3(6)	Spring	
	GCT684	43.684	Regional Culture Industry Studies	3:0:3(6)		
	GCT685	43.685	Venture Management in Culture Industry	3:0:3(6)		
	GCT686	43.686	Exhibition Content Design	3:0:3(6)		
	GCT687	43.687	New Media and Heritage	3:0:3(6)	Spring	
	GCT688	43.688	Global Cultural Marketing	3:0:3(6)	Fall	
	GCT689	43.689	Managerial and Cultural Economics	3:0:3(6)	Spring	
	GCT700	43.700	Topics in Culture Technology project planning	3:0:3(6)	Spring/Fall	
	GCT703	43.703	Topics in Culture Technology	1:0:1(1)		
	GCT704	43.704	Topics in Culture Technology	2:0:2(2)		
	GCT711	43.711	Topics in Digital Socio-Humanities	3:0:3(6)	Spring	
	GCT721	43.721	Topics in Computer Graphics	3:0:3(6)	Spring	
	GCT722	43.722	Topics in Virtual Reality	3:0:3(6)	Spring	
	GCT731	43.731	Topics in Music Technology	3:0:3(6)		
	GCT741	43.741	Topics in Human-Computer Interaction	3:0:3(6)		
	GCT742	43.742	Topics in Game	3:0:3(6)	Spring	
	GCT752	43.752	Topics in Digital Contents	3:0:3(6)		
	GCT753	43.753	Topics in Computational Design	3:0:3(6)	Fall	
	GCT787	43.787	Topics in Cultural Planning	3:0:3(6)		
Research	GCT960	43.960	Master's Thesis			
	GCT966	43.966	Seminar (Master's)	1:0:1	Spring/Fall	
	GCT967	43.967	Individual Study(Master's)			
	GCT980	43.980	Doctoral Dissertation			
	GCT986	43.986	Seminar (Ph. D.'s)	1:0:1	Spring/Fall	

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※ ◎ : Courses counted as both Undergraduate and Graduate Courses

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## Table of Alternative subject

Alternative subject					
Classification	Operating Subject		Non-operating subject		
	Subject No.	Subject Name	subject no.	Subject Name	Remark
Graduate Course	GCT700	Topics in Culture Technology Project Planning	GCT503	Culture technology project 1	Discontinuance of class
Graduate Course	GCT511	Media Aesthetic	GCT511	Media Aesthetic	Change of name
Graduate Course	GCT522	Computer Graphics Theory and Application	GCT522	Computer Graphics and Virtual Reality	Change of name
Graduate Course	GCT505	Human-Computer Interaction	GCT541	Human-Computer Interaction	Change of number
Graduate Course	GCT573	Cognition and Emotion	GCT573	Computational Cognition and Emotion	Change of name
Graduate Course	GCT504	Cyberpsychology	GCT575	Cyberpsychology	Change of number
Graduate Course	GCT583	Museum Technology in Digital Era	GCT583	Management Organization in Culture Industry	1st)Change of name
Graduate Course	GCT583	Museum Technology in Digital Era	GCT583	Management for Arts and Culture Organization	2nd)Change of name
Graduate Course	GCT700	Topics in Culture Technology Project Planning	GCT602	Culture Technology Project II	Discontinuance of class
Graduate Course	GCT622	Digital Creatures	GCT622	Digital Humans	Change of name
Graduate Course	GCT606	Digital Performance	GCT632	Digital Performance	Change of number
Graduate Course	GCT633	Audio and Multimedia Programming	GCT633	20 Century Music and Cultural Planning	Change of name
Graduate Course	GCT535	Sound Technology for Multimedia	GCT636	Sound Technology	Change of name and number
Graduate Course	GCT544	Game Studies (Ludology)	GCT641	Game Studies (Ludology)	Change of number
Graduate Course	GCT559	Computational Design	GCT652	Computational Design	Change of number
Undergraduate Course	CTP445	Augmented Reality	GCT545	Augmented Reality	Discontinuance of class
Graduate Course	GCT556	Digital Fashion	GCT656	Digital Fashion	Change of number
Graduate Course	GCT576	Social Computing	GCT673	Computational Creativity	Change of name
Graduate Course	GCT576	Social Computing	GCT673	Social Computing	Change of number
Graduate Course	GCT674	Knowledge-based System Design	GCT674	Text Analysis & Knowledge Mining	1st)Change of name
Graduate Course	GCT674	Knowledge-based System Design	GCT674	Knowledge-based System Design & Modeling	2nd)Change of name
Graduate Course	GCT687	New Media and Heritage	GCT687	Management Strategy for Arts and Culture Organization	Change of name
Graduate Course	GCT687	New Media and Heritage	GCT687	Exhibition Planning	Change of name
Graduate Course	GCT742	Topics in Game	GCT742	Topics in Technology	Change of name
Graduate Course	GCT742	Topics in Game	GCT742	Topics on Entertainment Engineering	Discontinuance of class
Graduate Course	GCT564	Introduction to Data Analytics Using R	GCT771	Topics in Social Media Analysis	Discontinuance of class
Graduate Course	GCT564	Introduction to Data Analytics Using R	GCT663	Social Data Analytics	Discontinuance of class
Graduate Course	GCT671	Social-aware Ubiquitous Computing	GCT784	Topics in Internet Industries	Discontinuance of class