Latest ver 4.1

GSIS Course Timetable

Academic Year 2026

(2-year Master Program)

In case there is a change in the timetable, the latest version will be updated
on the web page of the Graduate School of Information Science (https://www.is.tohoku.ac.jp/).
Be sure to check it frequently.

Graduate School of Information SciencesTohoku University

Classroom Code	Location（Campus map area）
【GSIS-〇】	Gradute School of Information Sciences（Garea）G01
【EIPE-〇】	Dept. of Electrical, Information and Physics Engineering, School of Engineering（D,G area）
【ME-〇】	Dept. of Mechanical Engineering, School of Engineering（A area）
【QSE-〇】	Dept. of Quantum Science and Energy Engineering, School of Engineering（A area）
【CEA-〇】	Dept. of Civil Engineering and Architecture, School of Engineering（F area）
【CC-〇】	Center Square, Central Hall, School of Engineering（C area）
【ELCB-〇】	Engineering Laboratory Complex Building, School of Engineering（C area）
【ES-〇】	Graduate School of Environmental Studies Research Building (Lecture Room)（J area）
【RIEC-〇】	Research Institute of Electrical Communication <Katahira Campus（G area）>
【IFS-〇】	Institute of Fluid Science< <Katahira Campus（C area）>

The 1st Quarter courses will be held on this period

The 2nd Quarter courses will be held on this period

◎ Courses marked with ＊ are "Common fundamental subject".

◎ The lectures which are not taken in your affiliated department are regarded as "Related subject".

◎ Courses written in red will be "every other year ".

GSIS Master Course Timetable (Spring Semester 2026)

Department Color Code: Computer and Mathematical Sciences | System Information Sciences | Human-Social Information Sciences | Applied Information Sciences

	1st 8:50〜10:20	2nd 10:30〜12:00	3rd 13:00〜14:30	4th 14:40〜16:10	5th 16:20〜17:50
Mon	Humanities and Social Studies in Information Sciences* Harada etc 【GSIS-206】	Intelligent Integrated Systems Hanyu,Hariyama, Waidyasooriya 【GSIS-206】	Highly-Reliable System Design Hariyama, Waidyasooriya 【GSIS-206】	Computer Structures Aoki,K.Ito 【GSIS-206】	
			Methods of Sociological Fieldwork Tokugawa 【GSIS-512】	Practical Information Literacy A Wada 【GSIS-514】 (Every other week)	
Tue	Computer Hardware Fundamentals 1st Quarter Takizawa,T.Tanaka 【QSE-Lecture Hall(A41)】		Applied Mathematical Fluid Dynamics 1st Quarter Hattori,Hirota 【ME-7(A02)】		
		Algebra and discrete mathematics H.Tanaka 【GSIS-206】	English Communication Murchie.S 【GSIS-206】		
Wed	System Control Engineering I 2nd Quarter Hashimoto,Hirata 【ME-5(A02)】		Media Communication Studies Sakata 【GSIS-822】 (Every other week)		
		Information Media Education Nagahama 【GSIS-206】	Communication Theory Hasegawa 【Online】	Analysis of Micro Socio-Economic System R.Itoh 【GSIS-207】	
		Theory of Differential Equations K.Tanaka 【GSIS-207】			
		Theory of Linguistic Structure Ogawa 【GSIS-310】			
		Algorithm Theory Shu,Tamura 【EIPE-Bldg. No.1 (D10),2C】			
		Study of Social Structure and its Change Tokugawa 【GSIS-512】			
		Econometric System Analysis Fujiwara 【GSIS-412】			
Thu	Project Evaluation Kono 【CEA-203(F01)】	Information Ethics* Omori etc 【GSIS-206】	Physical Fluctuomatics K.Tanaka 【GSIS-207】	Machine Learning Basics Yamada etc 【GSIS-206】	
	Applied Fluid Mechanics 2nd Quarter Ishimoto,Iga 【ME-4(A02)】		Mathematical Urban Modeling Akamatsu 【CEA-205(F01)】	Time Series Analysis Imamura 【CEA-203(F01)】 Yamakawa, Otake	
Fri	Game Theory for Applied Economics Z.Zeng 【GSIS-206】	Higher Order Vision Science Koida 【RIEC-M153(G10)】 Chia-Huei Tseng	Institutional Analysis Fukumoto 【CEA-203(F01)】		
	Intelligent Control Systems 2nd Quarter Hashimoto,Kagami 【ME-2(A02)】				
		Mathematics for Information Sciences Taya 【GSIS-206】			
		Urban Landscape Design Hirano 【CEA-203(F01)】			

GSIS Master Course Timetable (Fall Semester 2026)

Department Color Code: Computer and Mathematical Sciences | System Information Sciences | Human-Social Information Sciences | Applied Information Sciences

	1st 8:50〜10:20	2nd 10:30〜12:00	3rd 13:00〜14:30	4th 14:40〜16:10	5th 16:20〜17:50
Mon	Acoustic Information Science Sakamoto, A. Ito 【GSIS-207】	Statistical Modeling Araki 【GSIS-206】	Cryptographic Protocols Mizuki 【GSIS-206】	Introduction to Critical Thinking Omori 【GSIS-310】	Practical Information Literacy B Wada 【GSIS-514】
	Computer Vision 1st Quarter Okatani 【ME-7 (A02)】		Fundamental Artificial Intelligence 1st Quarter J.Suzuki 【Kawauchi M 201】		
	Political Methodology M.Harada 【GSIS-512】		Topics in Mathematics Bao 【GSIS-610】	Applied Data Sciences GSIS Nishi etc GSLS S.Sato etc GSEM Matsuda etc 【GSIS-207】	
Tue	High-Performance Computing 1st Quarter Takizawa 【Online】		Information Network Systems Suganuma 【EIPE-Bldg. No.1 (D10),1A】	Special Topics in Numerical Analysis Miyazima 【GSIS-610】	Seminar in Morphology Ogawa 【GSIS-310】
		Advanced Coding Theory Masaaki. Harada 【GSIS-711】	Urban Economics R.Itoh 【GSIS-412】		
			An Analysis of Verbal Expressions in Linguistic Communicatio Ogawa 【GSIS-310】		
Wed	Biomechatronics 2nd Quarter M.Tanaka 【School of Engineering Administration Office203（C05）】		Cognitive Science of Higher Mental Functions Matsumiya, Wada 【GSIS-207】	Advanced Applied Data Analysis Shiga,Yamada SUN,Kodate 【GSIS-207】	Interdisciplinary Information Sciences* 5.6th Yamada,Fukuda 【GSIS-207】
		Information Contents Kitamura 【RIEC-M531(G10)】	Logic for Information Science Nakano 【RIEC-M531(G10)】	Software Construction Unno 【RIEC-M531(G10)】	Law and Management of Information Security Hiji,Takaya Nakamura 【Online】
		Learning Psychology from Brain Science Hosoda 【GSIS-512】(Online)	Topics in Statistical Sciences Naito 【GSIS-610】		
		Econophysics Fujiwara,Fujiki 【GSIS-207】	Methods of Sociological Fieldwork(2) Okada 【GSIS-512】		
Thu		Cryptology Kuribayashi Sakai, Isobe 【GSIS-206】	Mathematical Informatics Ohzeki 【GSIS-207】	Secure Information Communication Systems Homma 【RIEC-M153(G10)】	Practical English for Data Science ※6th Yamada etc 【GSIS-514】
		Study of Civil Society Okada 【GSIS-512】			
		Natural Language Processing Inui, Sakaguchi 【EIPE-Bldg. No.1 (D10),2A】			
Fri		Applied Intelligence Software Suganuma, Abe,Goto 【RIEC-M153(G10)】	Spatial Information Analysis Inoue 【CEA-205(F01)】	Academic Writing in English* Yamada etc 【GSIS-206】	Foundation and Practical Development of Advanced Technology Yamada, JEITAInstructor 【GSIS-207】
		Behavioral Analysis Okumura 【CEA-203(F01)】	Numerical Analysis 1st Quarter Makihara,Yakeno 【ME-3(A02)】		
		Topics in Classical Analysis Sugawa 【GSIS-609】	Systems Bioinformatics Kinoshita etc 【Online】	Information biology Obayashi 【Online】	
			Foundations of Software Science Sumii,Matsuda 【GSIS-207】	Computer Science Overview T.Ito,Kawamoto, Waidyasooriya 【EIPE-Bldg. No.1 (D10),2A】	

GSIS Intensive Course and Compulsary Course List (Academic Year of 2026)

Intensive Course

The following lessons will be intensive lectures for the mentioned major.
The date and time will be announced later in a notice. All the courses in this list are OPTIONAL.

Subject Name	Open Semester	Intended Department	Instructor	Schedule
Information Technology Fundamental	Spring	All Department	Kazunori Yamada Shigeru Hanano	Only students enrolled prior to the 2025 academic year are eligible to take this course.
Computer Science Fundamentals	Fall	All Department	Kazunori Yamada etc	Only students enrolled prior to the 2025 academic year are eligible to take this course.
Mathematical Structures, Special Lecture	Fall	Computer and Mathematical Sciences, System Information Sciences	Saiei Matsubara Kazuki Hiroe	
Mathematical System Analysis, Special Lecture	Fall	Computer and Mathematical Sciences, System Information Sciences	Kei Funano Hiroshi Tsuzi	
English Presentation	Spring	All Department	Steven John BRETHERICK	
Hands-on introduction to cyber attacks and their countermeasures	Spring	All Department	Undecided	
Tough Cyberphysical AI	Spring	All Department	Kazunori Ohno	
Introduction to Time Series and Spatial Modeling	Fall	All Department	Shinsuke Koyama	
Data Engineering （WEB course registration）	Spring	All Department	Kazunori Yamada etc	
Data Science Training I （WEB course registration）	Spring	All Department	Kazunori Yamada etc	
Data Science Training II （WEB course registration）	Spring	All Department	Kazunori Yamada etc	
Data Science Programming Basics （WEB course registration）	Spring	All Department	Kazunori Yamada etc	

◎ Courses marked with ＊ are "Common fundamental subject". ◎ Courses written in red will be "every other year ".

Compulsory Course

The following lessons will be conducted in respective course / laboratory. The lessons in this list are SELECTABLE COMPULSORY.

Subject Name	Open Semester	Intended Department	Instructor	Remarks
Seminar on Mathematical Structures	———	Computer and Mathematical Sciences		
Seminar on Computer and Information Sciences	———			
Advanced Seminar on Mathematical Structures A	———			
Advanced Seminar on Mathematical Structures B	———			
Advanced Seminar on Computer and Information Science A	———			
Advanced Seminar on Computer and Information Science B	———			
Seminar on Mathematical System Analysis	———	System Information Science		
Seminar on System Information Sciences	———			
Advanced Seminar on Mathematical System Analysis A	———			
Advanced Seminar on Mathematical System Analysis A	———			
Advanced Seminar on System Information Sciences A	———			
Advanced Seminar on System Information Sciences B	———			
Seminar on Human-Social Information Sciences I - III	———	Human-Social Information Sciences		
Advanced Seminar on Human-Social Information Sciences A I - III	———			
Advanced Seminar on Human-Social Information Sciences B I - III	———			
Seminar on Applied Information Sciences Ⅰ・Ⅱ	———	Applied Information Sciences		
Advanced Seminar on Applied Information Sciences A I - II	———			
Advanced Seminar on Applied Information Sciences B I - II	———			
Advanced Computer Training *	———			

* These courses are OPTIONAL.

Latest ver 1.20

GSIS Course Timetable

Academic Year 2026

(3-year Doctoral Program)

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Graduate School of Information Sciences
Tohoku University

GSIS Doctoral Program Course List (Academic Year of 2026)

Compulsory / Optional Subjects

Please follow the requirement of each laboratory or program you belong to.

Subject name	Open Semester		Intended Department	Instructor	Compulsory / Optional
Fundamental Doctor Course Seminar	———	———	All Departments	-	Compulsory
Doctor Course Seminar A	———	———	All Departments	-	Compulsory
Doctor Course Seminar B	———	———	All Departments	-	Compulsory
Advanced Doctor Course Seminar	———	———	All Departments	-	Optional
Advanced Seminar I *（WEB course registration）	———	———	All Departments	———	Optional
Advanced Seminar II *（WEB course registration）	———	———	All Departments	———	Optional
Data Science Challenge *（WEB course registration）	Spring	(5th.6th hr.)【GSIS-206】	All Departments	Kazunori Yamada	Optional
Data Science Special Training	———	———	All Departments（GP-DS students）	———	Optional

* These courses are compulsory for DSP II ,AIQDS/ GP-DS students

Courses with changed names

Before Change	After Change	Change Year
Data Science Basic	Machine Learning Basics	2024
Information Literacy Studies	Information Media Education	2024
Statistical Systems Analysis for Complex Systems	Introduction to Time Series and Spatial Modeling	2024
Data Science Training Camp I	Data Engineering	2024
Data Science Training Camp II	Data Science Training II	2024
Big Data Skill Up Training	Data Science Programming Basics	2024
Big Data Challenge	Data Science Challenge	2024
Mathematical Structures I a	Topics in Topology	2025
Mathematical Structures II a	Topics in Classical Analysis	2025
Mathematical Structures IIb	Topics on algebraic differential equations	2025
Mathematical System Analysis I a	Advanced Coding Theory	2025
Mathematical System Analysis I b	Advanced Geometric Analysis	2025
System Information Mathematics II	Advanced Mathematical Logic	2025