

## Sokendai Brain Science Joint Program

Subject Code	Subject	Credit	Content of subject		
11970001	Brain science at the molecular and cellular levels	1	Molecular mechanisms of sensory perception including nociception, thermosensation, mechanosensation, tasting, olfaction and hearing would be lectured.	Prof.	Makoto Tominaga
				Assoc.Prof.	Toru Kimura
11970002	Brain science at the Circuit level	1	Learning experimental studies on the neural mechanisms of perception and cognition. Particular emphasis is on vision.	Prof.	Hidehiko Komatsu
11970003	System brain science	1	The lectures will be focused on the neural control of movements, especially in relation to responses to sensory stimuli and their modulation by cognitive processes.	Prof.	Tadashi Isa
				Assoc.Prof.	Yukio Nishimura
11240056	Brain Science Topics	1	Recent progress and results at the cutting edge will be introduced by experts in the physiological sciences.		
11240058	Principle and Methodology in Brain Science	1	Basic principles and methodologies essential to understand brain science will be explained.	Prof.	Makoto Tominaga
11240069	Training Course for Bioinformatics	1	The following objectives are attained through lectures and practices. 1. To understand basic principles in biological sequence analyses. 2. To obtain basic skills in genomic and proteomic analyses. 3. To understand current topics and future directions in bioinformatics.	Assoc. Prof.	Shuji Shigenobu
11240063	Brain Science and Society	1	This subject deals with historical, neuroethical, neuroeconomical, and social aspects of brain science. Lecture and tutorial for science communication to introduce your scientific results to the public will be also	Prof.	Makoto Tominaga
11240070	Introductory statistics for life science	1	Basic knowledge regarding statistics for life science is lectured by the statistics specialists.	Prof.	Makoto Tominaga
11240059	Integrated Brain Science I	1	Omnibus type subject with 8 lectures selected at the discretion of students among many lectures in brain science and related field of science.	Prof.	Makoto Tominaga
11240060	Integrated Brain Science II	1	Omnibus type subject with 8 lectures selected at the discretion of students among many lectures in brain science and related field of science.	Prof.	Makoto Tominaga
11240061	Integrated Brain Science III	1	Intensive 5-day course containing lectures and practical on statistical theory, imaging method, social, ethical, and evolutionary aspects of brain science, and robotics.	Prof.	Makoto Tominaga
11970004	Brain science step by step	—	Basic knowledge necessary for brain science can be learned through an e-learning system with lecture and small tests.	Prof.	Makoto Tominaga