

Syllabus 2017 System Information Sciences Information Biology

Japanese

■ Basic information

held this year:	yes
instructor(s)	Prof. Keiichi Itoi, Assoc. Prof. Tatsuya Sato, Assis. Prof. Katsuya Uchida
room	Lecture Hall, GSIS
schedule	The first half year (Friday) 8:50-10:20
begins on:	04/07

■ Objectives and outline

The perception, recognition, memory, intension, and emotion comprise the major tasks of the brain. Blood pressure, body temperature, and hormone secretion are indispensable for maintaining basal functions of an organism which are also under the control of the brain. To help understand the mechanisms of the brain, explanations will be made, first, upon the mechanism of neural excitation, functions of neurotransmission and neural plasticity, then upon the neural development, higher brain functions, and abnormalities of the nervous system. Students without basic knowledge on biology are eligible and welcome.

■ Class plan

■ Evaluation

■ Textbook(s)

From Neuron to Brain (4th ed, SINAUER) Nicholls J.G., Martin A.R., Wallace B.G.
 Molecular Biology of the Cell (5th ed., Garland Science) Alberts B. et al.

■ Web site

<http://www.bio.is.tohoku.ac.jp/>

■ Office hours

■ Other information

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