

Basic of Brain and Neuroscience

Syllabus Number

5J251

Special Subjects

Elective 2 credit

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1. Course Description

This lecture will introduce the function and structure of the human brain. Moreover, we talk about the difference between other animals and human brain. We discuss from a scientific point about the human brain and mind. The lecture will invite a researcher who is a specialist of neuroscience.

2. Course Objectives

Homeostasis of our bodies are controlled by any system. One of the most important system is brain function and nerves system. In humans, some behavior such as thinking, cognitive function, learning and memory are different to other animals.

The purpose of this lecture is to understand the structure and functions of the brain.

3. Grading Policy

Final examination(80%)

Report(20%)

4. Textbook and Reference

5. Requirements(Assignments)

6. Note

7. Schedule

- [1] History of neuroscience
- [2] Neuron and Glia
- [3] Brain function and construction
- [4] Resting potential and action potential
- [5] synaptic plasticity
- [6] The mechanism of memory and learning
- [7] Motivation
- [8] Emotion and memory
- [9] language
- [10] SATORI
- [11] Neuronal disease
- [12] Mental disease
- [13] What is the mind?
- [14] spetial lecture
- [15] Comprehensive test and feedback