Category （科目区分）	Cluster of Neuroscience System		
Course Title （授業科目名）	Neuroscience		
Instructors （担当者名）	Kazuo Mishima	Academic Year （配当年次）	1
Required Course / Elective Course （必修/選択）	Elective Course	Credits （単位数）	2
Class Format （授業形態）	Lecture and Webclass（on demand）		
Schedule （開講期間）	Students will be notified by email after completing the course registration.		
Class Date/Period （開講曜日・時間）	Students will be notified by email after completing the course registration.		

Course Outline/ Course Objectives（授業の概要・到達目標）

Purpose of the class: To provide students with an understanding of the latest clinical and basic knowledge of peripheral and central nervous system diseases, including advances in medical technology.
Objectives of the class: To be able to understand and explain the latest findings on the clinical and basic aspects of peripheral and central nervous system diseases.

Course Planning（授業計画）

	Course Outline/ Course Objectives（授業の概要及び到達目標） （Contents of Class）　（（授業内容））	Instructor （担当教員名）	Department （講座名） Class Room〔実施場所〕
1	Regulatory mechanisms of consciousness, sleep-wake, and circadian rhythms	Professor Kazuo Mishima	Department of Neuropsychiatry〔medical office〕
2			
3	Symptoms and pathophysiological hypotheses of psychiatric disorders	Lecturer Masahiro Takeshima	
4			
5	Neuropharmacology of Psychotropics	Professor Kazuo Mishima	
6			
7	Symptoms and pathophysiological hypotheses of sleep-wake disorders	Professor Kazuo Mishima	
8			
9	Laboratory techniques for assessing human sleep architecture, arousal levels, and circadian rhythm characteristics.	Assistant Professor Aya Imanishi	
10			

Grading Criteria （成績評価の基準と方法）

30 hours of experimental training in the laboratory + 15 hours of self-study, 45 hours in total is counted as 1 credit, attendance status, the results of the oral and written examinations and the contents of the submitted report will be taken into consideration to evalue.

Contact Information（問い合わせ先(氏名, メールアドレス等)）

Name：　Kazuo Mishima　　／E-mail：　mishima@med.akita-u.ac.jp

Coment　（その他特記事項）

Information about the course: If you cannot attend the training due to work, we will adjust the schedule.
Textbooks / References: Distribute materials as needed. Alternatively, specify the document.
Self-study content during self-study time: It is desirable to carry out preparatory learning according to the goals to be achieved and the content of the lesson.