

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 Masaya Ogasawara	
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 evaluate.			
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			
Comment (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.			