

<b>Category</b> (科目区分)	Specialized subjects / Motor Function System		
<b>Course Title</b> (授業科目名)	Neurosciennce		
<b>Instructors</b> (担当者名)	Kazuo Mishima	<b>Academic Year</b> (配当年次)	1,2
<b>Required Course / Elective Course</b> (必修/選択)	Elective Course	<b>Credits</b> (単位数)	2
<b>Class Format</b> (授業形態)	Lecture		
<b>Schedule</b> (開講期間)	To be announced by e-mail		
<b>Class Date/Period</b> (開講曜日・時間)	To be announced by e-mail		
<b>Course Outline/ Course Objectives</b> (授業の概要・到達目標)			
Purpose: To understand current clinical and basic knowledge in the field of peripheral and central nervous systems and advancement of medical techniques. Course Objectives: To be able to make a presentation on current clinical and basic advancement in the field of peripheral and central nervous systems.			
<b>Course Planning</b> (授業計画)			
	<b>Course Outline/ Course Objectives</b> (授業の概要及び到達目標) <b>(Contents of Class)</b> ( (授業内容) )	<b>Instructor</b> (担当教員名)	<b>Department</b> (講座名) <b>Class Room</b> [実施場所]
1	Spinal deformity: pathophysiology/diagnosis/treatment	Yuji Kasukawa	Orthopedic Surgery [North Clinical Building 2nd floor, conference room]
2	Lumbar spine disease: pathophysiology/diagnosis/treatment	Yuji Kasukawa	
3	Trauma of extremities: pathophysiology/diagnosis/treatment	Koji Nozaka	
4	Cervical and thoracic spine diseases: pathophysiology/diagnosis/treatment	Naohisa Miyakoshi	
5	Joint diseases: pathophysiology/diagnosis/treatment	Koji Nozaka	
6	Learn research methods and recent knowledge on brain anatomy, metabolism and biochemistry that are fundamental for understanding neurosurgery and brain functions and pathophysiology.	Hiroaki Shimizu Takahiro Ono Yusuke Takahashi	Neurosurgery [Conference room, WEB]
7			
8			
9			
10	To understand the diagnosis and treatment of major psychiatric disorders. The neural basis of cognitive function, emotional and affective regulation, and sleep/wake regulation that support mental activity will be reviewed based on neurophysiology, molecular biology, and functional brain imaging data.	Kazuo Mishima Masahiro Takeshima Aya Imanishi	Neuropsychiatry [Reserch Building for Clinical Medicine]
11			
12			
13			
14			
15			
<b>Grading Criteria</b> (成績評価の基準と方法)			
The total of 45 hours, consisting of 30 hours of lectures in the seminar room and 15 hours of self-study, counts as one credit. The content of reports, etc. will be evaluated comprehensively.			
<b>Contact Information</b> (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			

	<b>Course Outline/ Course Objectives</b> (授業の概要及び到達目標) <b>(Contents of Class)</b> ( (授業内容) )	<b>Instructor</b> (担当教員名)	<b>Department</b> (講座名) <b>Class Room</b> [実施場所]
<b>Coment</b> (その他特記事項)			
<p>The dates for this course will be scheduled after taking this course to encourage attendance of adult graduate students.</p> <p>Textbooks and reference papers will be suggested, if needed.</p> <p>Students are expected to prepare for this course by reading the relevant protocols.</p>			