Course 日士	Coding(科 ンバー)	Year/Se m(年	emester/Ter 度・学期)	Faculty Offering Course(時間割所属・時間 割コード)		Eligible Student	Credits(単位 数)	Weekday and Period(曜 日・時限)
	022-79-2	()	whole year	Graduate School of Medical Sciences		r(開講年次) , 2, 3, 4	2	others
				(26040)		1 1 1		- ()(担 小
		Co	urse Title(Theme)(科目名(講義題目))			Instructor(s)(担当教員)		
	Neur	oscience	e (For students admitted in 2023 and later)(B5)			IWAMOTO Kazuya, MIZUNO Hidenobu, TODA Chitoku, SHIODA Norifumi, SHIMAMURA Kenji, BUNDO Miki, Sou Bunketsu, ERA Takumi, TAKEBAYASHI Minoru, HATAKEYAMA Jun, ESUMI Shigeyuki, UEDA Mitsuharu, TAKEMOTO Makoto, CHUJYO Takeshi, NAKACHI Yutaka		
				Goals with their ratio(学修成果と	その割る			
1.Advan and abil	ced expert l ity to take ir	knowledg nitiative a	ge, skill and raction · · · · 5%	esearch capability · · · · 60% 2.Profound int 6 4.Social leadership drive · · · · 5%	er-disc	iplinary kno	wledge ····30	% 3.Global perspective
Type of Class(授業の形態)			Lecture					
Teaching Method(授業の方 法)			Mainly by e-learning					
Course Goals(授業の目的)			Understand the sturucture and function of brain, higher functions, neuropsychiatric disorders and the methods for treatment.					
Course Learning goals(学修 目標)			【A level (A水準)】 Students can explain and understand the sturucture and function of brain, higher functions, neuropsychiatric disorders and the methods for treatment. 【C level (C水準)】 Students can understand the sturucture and function of brain, higher functions, neuropsychiatric disorders and the methods for treatment.					
Course	Outline(授業	(の概要)	The lecturers will teach about general introductions to the sturucture and function of brain, neurocircuit, higher functions, neuropsychiatric disorders and the methods for treatment.					
Details for Individual Classes(各回の授業内容)								
No.(回)	Date(月	目)		Class Theme(授業テーマ)		Bri	ef Outline of Cl	ass(内容概略)
1			Shigeyuki E	sumi (eEJ-0)	Neu circ		ity contributes	to establishing neuronal
2			Jun Hatakey	vama (eEJ-0)	Hun hum	nan brain de ans and mid	evelopment: Ho ce different?	w is brain development in
3			Kenji Shima	mura (eE-0)	Regi prim	onalization ordium	and histogenes	sis of the brain
4			Hidenobu N	⁄lizuno (eEJ-0)	Post	natal develo	opment of the s	omatosensory cortex
5			Bunketsu So	ou (eEJ-0)	Hea	ring and hea	aring loss	
6			Makoto Tak	emoto (eEJ-0)	Neu	roscience o	f emotions	
7			Chitoku Too	da (eE-0)	Neu	ronal circuit	to regulate fee	eding behavior
8			Takeshi Chu	ujo (eEJ-0)		in neurons: ases	: molecular fun	ctions and related
9			Minoru Tak	ebayashi (eJ-0)	Mol	ecular basis	of mood disord	ders
10			Kazuya lwar	moto (eE-0)	Gen	etics and ep	igenetics of ps	ychiatric disorders
11			Miki Bundo	(eE-0)	Som	atic mutatio	ons and psychia	tric disorders
12			Mitsuharu U	Jeda (eEJ-0)	Path dise	ogenesis of ase-modifyi	intractable ned	urological diseases and
13			Yutaka Nak	achi (eEJ-0)	Sexu	ual differenti	iation of the bra	ain
14			Takumi Era	(eJ-0, eE-0)		medical ap em using ste		eases of the nervous
15			Norifumi Sh	nioda (eE-0)	The targ	potential of et for neuro	nucleic acid st logical diseases	ructures as a therapeutic
Estimated out-of-class study time			This course consists of content that requires 90 hours of study. Since class is 30 hours (2 hours X 15 times), 60 hours of pre- and post-study is necessary.					
Required Textbook(テキスト)		Not specified.						
Reading List(参考文献)			Not specified.					
Enrollment Conditions(履修 条件)		none						
Assessment Methods and Criteria(評価方法・基準)			Based on the scores of quizzes reated to the topics. Final grades will be made by averaging the 10 highest scores out of 15 quizzes.					
Language Used in Instruction(使用言語)			Japanese and English					
Textbook/Material Language(教科書・資料の言 語)			Combination of Japanese and English					
Course Based on Practical Work Experience(実務経験			Not applicable					
			L					