Goals with their ratio(学修成果とその割合)  1.Advanced expert knowledge, skill and research capability ・・・・70% 2.Profound inter-disciplinary knowledge ・・・・10% 3.Global perspective and ability to take initiative action ・・・・10% 4.Social leadership drive ・・・・10%  Type of Class(授業の形態)  Lecture  Type of Class(授業の形態)  Course Goals(授業の目的)  In Lecture Series "Riron": C6 The Forefront of Clinical Oncology II, you learn basic concepts and novel techniques in the most advanced clinical oncology, (1) radiation oncology, (2) breast and endocrine oncology, (3) gynecological oncology, (4) neurooncology, (5) hematological oncology, including (1) radiation oncology, (2) breast and endocrine oncology, (2) breast and endocrine oncology, (2) breast and endocrine oncology, (3) gynecological oncology, (4) neurooncology, (4) neurooncology, (5) hematological oncology, (6) hematological oncology, (7) hematological oncology, (8) preast and endocrine oncology, (8) gynecological oncology, (9) neurooncology, (1) neurooncology, (1) neurooncology, (2) breast and endocrine oncology, (2) breast and endocrine oncology, (3) gynecological oncology, (4) neurooncology, (5) hematological oncology, (6) neurooncology, (7) neurooncology, (		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 ear(開講年次)	Credits(単位 数)	Weekday and Period(曜 日・時限)	
The Fordront of Clinical Oncology(C6)  Covariance of Clinical Oncology(C6)  Covariance of Clinical Oncology(C6)  Covariance of Clinical Oncology(C6)  Advanced expert knowledge, skill and research capability	RDM7-	014-83-2	2024v	whole year			1, 2, 3, 4	2	others	
The Forefront of Clinical Oncology(CB)  Goals with their natio(学称派史とその制会)  Advanced expect knowledge. skill and research capability			Co	ourse Title(Theme)(科目名(講義題目))				Instructor(s)(担当教員)		
1. Advanced expert knowledge、xill and research capability			Th	ne Forefront of Clinical Oncology(C6)			Jiyunichirou, MÜRAKAMI Ryuji, NOSAKA Kisato, YAMAMOTO Yutaka, Saitou Fumitaka, MOTOHARA			
Types of Class (授来の報題) Teaching Method (提来の Teaching Method (Expansion of Method (Expansion					Goals with their ratio(学修成果と	その割	割合)			
Types of Class (授来の報題) Teaching Method (提来の Teaching Method (Expansion of Method (Expansion	1.Advand	ced expert l	knowledg	ge, skill and re	esearch capability ····70% 2.Profound int	er-di	isciplinary kno	wledge · · · · 10	% 3.Global perspective	
Value   Date										
techniques in the most advanced clinical oncology, (1) prediction encology, (2) breast and endocrine oncology, (3) precological anotogy, (3) hemotocology, (5) hematological anotogy, (3) hemotocology, (5) hematological oncology, (3) hematological oncology, (3) hematological oncology, (5) hematological oncology, (6) hematological oncology, (6) hematological oncology, (7) hematological oncolog	Teaching Method(授業の方									
You learn basic concepts and novel techniques in the most advanced clinical oncology, including (1) radiation octology, (2) breast and endocrine oncology, (3) gynecological oncology, (4) neuronocology, (5) hematological occology, (2) breast and endocrine oncology, (3) gynecological oncology, (4) neuronocology, (5) hematological occology, (5) hematological oncology, (6) hematological oncology, including with in hematological oncology, including with every hematologi	Course Goals(授業の目的)			techniques in the most advanced clinical oncology, including (1) radiation oncology, (2) breast and endocrine						
techniques is lectured. (2) The forefront of breast and endocrine onclogy is lectured, especially regarding surgery, chemotherapy, and molecular target therapy for breast cancer and throid particular distances. (3) The forefront of precological oncology, sepecially the recent development and therapeutic modalities, is explained, sculping precological oncology is explained especially regarding the molecular biology in malignant brain tumors. (6) The forefront of hematological oncology is lectured especially regarding the mechanisms in tumor development and suppression.  Details for Individual Classes(各室の授業内容)  Date(月日) Class Theme(授業テーマ) Brief Outline of Class(内容概略)  1 Natsuo Oya(e)-D) "Radiation biology and physics"  2 Natsuo Oya(e)-D] "Stereptactic radiotherapy and intensity-modulated raidotherapy and adaptive radiotherapy."  3 Ryuji Murakami (e)-D] "Biological features of breast cancer with the properties of the particular distribution of the				You learn basic concepts and novel techniques in the most advanced clinical oncology, including (1) radiation oncology, (2) breast and endocrine oncology, (3) gynecological oncology, (4) neurooncology, (5) hematological oncology.						
No.   Date	Course (	Outline(授業	(の概要)	surgery, chemotherapy, and molecular target therapy for breast cancer and thyroid cancer. (3) The forefront of gynecological oncology, especially the recent development and therapeutic modalities, is explained, including brathytherapy, external beam radiotherapy and chemoradiotherapy for uterine cervical cancer. (4) The forefront of neurooncology is explained especially regarding the molecular biology in malignant brain tumors. (5) The forefront of hematological oncology is lectured especially regarding the mechanisms in tumor development and						
Natsuo Oya [e]-0]					Details for Individual Classes(各回の	の授業	業内容)			
Ryuji Murakami [eJ-0] "Stereotactic radiotherapy and intensity-modulated raidotherapy"  Ryuji Murakami [eJ-0] "Image_guided radiotherapy and adaptive radiotherapy"  Yutaka Yamamoto [eJ-0] "Biological features of breast cancer"  Yutaka Yamamoto [eJ-0] "Paradigm shift in breast cancer treatment"  Yutaka Yamamoto [eJ-0] "Molecular target therapy for breast cancer"  Takeshi Motohara [eJ-0] "Epidemiology of gynecological malignancies"  Fumitaka Saito [eJ-0] "Paradigm shift of the treatment for gynecological malignancies"  Fumitaka Saito [eJ-0] "Radiation therapy for gynecological malignancies"  Akitake Mukasa [eJ-0] "Character of brain tumor"  Akitake Mukasa [eJ-0] "Brain tumor diagnosis"  Akitake Mukasa [eJ-0] "Brain tumor diagnosis"  Kisato Nosaka [eJ-0] "Hematological oncology I - leukocytes"  Kisato Nosaka [eJ-0] "Hematological oncology II - lymphocytes"  Kisato Nosaka [eJ-0] "Hematological oncology II - lymphocytes"  Kisato Nosaka [eJ-0] "Hematological oncology II - lymphocytes"  Language Used in Instruction (使用音語)  Japanese  Japanese	No.(回	Date(月	目)		Class Theme(授業テーマ)		Brie	ef Outline of CI	ass(内容概略)	
Ryuji Murakami [eJ-0] "image-guided radiotherapy and adaptive radiotherapy"  4	1			Natsuo Oya	[eJ-0]	"	'Radiation biol	ogy and physic	s"	
Yutaka Yamamoto [eJ-0]	2			Natsuo Oya	[eJ-0]	ra	'Stereotactic ra idotherapy"	adiotherapy an	d intensity-modulated	
Yutaka Yamamoto [eJ-0]	3	3		Ryuji Murakami [eJ-0]		ra	"Image-guided radiotherapy and adaptive radiotherapy"			
Yutaka Yamamoto [eJ-0] "Molecular target therapy for breast cancer"   7   Takeshi Motohara [eJ-0] "Epidemiology of gynecological malignancies"   8   Fumitaka Saito [eJ-0] "Paradigm shift of the treatment for gynecological malignancies"   9   Takeshi Motohara [eJ-0] "Radiation therapy for gynecological malignancies"   10   Akitake Mukasa [eJ-0] "Character of brain tumor"   11   Akitake Mukasa [eJ-0] "Brain tumor diagnosis"   12   Akitake Mukasa [eJ-0] "Brain tumor therapy"   13   Eisaku Iwanaga [eJ-0] "Hematological oncology I - leukocytes"   14   Kisato Nosaka [eJ-0] "Hematological oncology II - lymphocytes"   15   Jun-chirou Yasunaga [eJ-0] "Hematological oncology III - Hematological malignancies induced by viruses"   15   Jun-chirou Yasunaga [eJ-0] "Hematological oncology III - Hematological malignancies induced by viruses"   15   Funcilment Conditions (同答条件)   Funcilment Conditio	4			Yutaka Yam	amoto [eJ-0]	"	'Biological feat	cures of breast	cancer"	
Takeshi Motohara [eJ-0]				Yutaka Yamamoto 【eJ-0】						
Funitaka Saito [eJ-0] "Paradigm shift of the treatment for gynecological malignancies"  Punitaka Saito [eJ-0] "Radiation therapy for gynecological malignancies"  Radiation therapy for gynecological malignancies "Character of brain tumor"  Radiation therapy for gynecological malignancies "Paradiation therapy for gynecological malignancies"  Radiation therapy for gynecological malignancies "Radiation tumor therapy"  "Brain tumor therapy"  "Brain tumor therapy"  "Hematological oncology I - lywphocytes"  "Hematological oncology II - lymphocytes"  "Hematological oncology III - Hematological malignancies induced by viruses"  Estimated out-of-class study time  Required Textbook(テキスト)  Reading List(参考文献)  Enrollment Conditions(履修条件)  Grading will be based on active class participation, paper summaries, or the final report. Grading will be based on the basis of papers and quizzes related to the topics dealt with in class to be scored from 0 to 100.Final grades will be based on the average score of the papers and quizzes as well a sparticipation in class discussions  Language Used in Instruction(使用言語)  Japanese	-				*******	_				
Takeshi Motohara [eJ-0]	7			Takeshi Mo	tohara [eJ-0]	"	<sup>'</sup> Epidemiology	of gynecologic	al malignancies"	
Matitake Mukasa [eJ-0]	8			Fumitaka Sa	aito [eJ-0]	m	'Paradigm shift alignancies"	t of the treatme	ent for gynecological	
11	9			Takeshi Mo	tohara [eJ-0]	"	'Radiation ther	apy for gyneco	logical malignancies"	
Brain tumor therapy"   13   Eisaku Iwanaga [eJ-0]   "Hematological oncology I - leukocytes"   14   Kisato Nosaka [eJ-0]   "Hematological oncology II - lymphocytes"   15   Jun-chirou Yasunaga [eJ-0]   "Hematological oncology III - Hematological malignancies induced by viruses"   Estimated out-of-class study time   Required Textbook(テキスト)   Reading List(参考文献)   Enrollment Conditions(履修条件)   Assessment Methods and Criteria(評価方法・基準   Grading will be based on active class participation, paper summaries, or the final report. Grading will be based on the student's understanding of the course subject matter. The students' understanding will be evaluated on the basis of papers and quizzes related to the topics dealt with in class to be scored from 0 to 100. Final grades will be based on the average score of the papers and quizzes as well as participation in class discussions   Japanese   Japane	10			Akitake Mul	kasa [eJ-0]	"	'Character of b	orain tumor"		
Eisaku lwanaga [eJ-0]	11			Akitake Mul	kasa [eJ-0]	"	'Brain tumor di	iagnosis"		
Sisato Nosaka [eJ-0]	12			Akitake Mul	kasa [eJ-0]	"	'Brain tumor th	nerapy"		
Jun-chirou Yasunaga [eJ-0]	13			Eisaku lwan	aga [eJ-0]	"	'Hematologica	l oncology I - le	eukocytes"	
Estimated out-of-class study time  Required Textbook(テキスト)  Reading List(参考文献)  Enrollment Conditions(履修条件)  Assessment Methods and Criteria(評価方法・基準)  Criteria(評価方法・基準)  Language Used in Instruction(使用言語)  Japanese  malignancies induced by viruses"	14			Kisato Nosa	ka [eJ-0]	"	'Hematologica	l oncology II - l	ymphocytes"	
Required Textbook(テキスト)  Reading List(参考文献)  Enrollment Conditions(履修条件)  Assessment Methods and Criteria(評価方法・基準)  Criteria(評価方法・基準)  Language Used in Instruction(使用言語)  Japanese	15			Jun-chirou `	Yasunaga [eJ-0]	m	'Hematologica alignancies inc	l oncology III - duced by viruse	Hematological es"	
Required Textbook(テキスト)  Reading List(参考文献)  Enrollment Conditions(履修条件)  Assessment Methods and Criteria(評価方法・基準)  Criteria(評価方法・基準)  Language Used in Instruction(使用言語)  Japanese			-class							
Reading List(参考文献)  Enrollment Conditions(履修 条件)  Assessment Methods and Criteria(評価方法·基準)  Grading will be based on active class participation, paper summaries, or the final report. Grading will be based on the student's understanding of the course subject matter. The students' understanding will be evaluated on the basis of papers and quizzes related to the topics dealt with in class to be scored from 0 to 100.Final grades will be based on the average score of the papers and quizzes as well as participation in class discussions  Language Used in Instruction(使用言語)  Japanese	Required Textbook(テキス									
Enrollment Conditions(履修 条件)  Assessment Methods and Criteria(評価方法·基準)  Grading will be based on active class participation, paper summaries, or the final report. Grading will be based on the student's understanding of the course subject matter. The students' understanding will be evaluated on the basis of papers and quizzes related to the topics dealt with in class to be scored from 0 to 100. Final grades will be based on the average score of the papers and quizzes as well as participation in class discussions  Language Used in Instruction(使用言語)  Japanese	Reading List(参考文献)		文献)							
Assessment Methods and Criteria(評価方法·基準)  Grading will be based on active class participation, paper summaries, or the final report. Grading will be based on the student's understanding of the course subject matter. The students' understanding will be evaluated on the basis of papers and quizzes related to the topics dealt with in class to be scored from 0 to 100. Final grades will be based on the average score of the papers and quizzes as well as participation in class discussions  Language Used in Instruction (使用言語)  Japanese	Enrollment Conditions(履修 条件)									
Instruction(使用言語) Japanese				or the final report. Grading will be based on the student's understanding of the course subject matter. The students' understanding will be evaluated on the basis of papers and quizzes related to the topics dealt with in class to be scored from 0 to 100. Final grades will be based on the average score of the papers and quizzes as						
Textbook/Material Japanese	Language Used in Instruction(使用言語)			Japanese						
	Text	tbook/Mate	erial	Japanese						

Language(教科書・資料の言語)	Japanese
Course Based on Practical Work Experience(実務経験 を活かした授業)	Not applicable