	egory 区分)	Cluster of Organ Development and Regenerat	ive Systems		
	<mark>e Title</mark> 科目名)	Regenerative medicine / practice			
	u <mark>ctors</mark> i者名)	Yoshihiro Matsumura	Academic Year (配当年次)	1	
Elective	Course / e Course /選択)	Elective Course	<mark>Credits</mark> (単位数)	1	
	Format [形態)	Lecture & Practice			
	<mark>edule</mark> [期間〕	Students will be notified by email after comple	eting the course re	gistration.	
	<mark>te∕Period</mark> 日 • 時間)	Students will be notified by email after comple	eting the course re	gistration.	
		<mark>rse Objectives</mark> (授業の概要・到達目標) e purpose of the class is to understand the ba			
regenerati medical ca Class outl backgroun we will ou Also, learr such as re	ive medicin are such as ine: Outline d of resear tline recent n basic rese ecent single	class: The goal is to understand the historical e research, and to be able to think and discuss regenerative medicine in the future. the basics and applications of regenerative medicine ch on regenerative medicine and tissue engine research on regenerative medicine by inducin earch on the mechanism of aging and tissue re- e-cell analysis. In order to deepen the practica duct experimental training on ES cell culture a	s what is necessary nedicine. Based on t eering aimed at app ng differentiation of generation using ac I understanding of 1	to realize advanced the historical lication and practice, iPS cells. Ivanced technologies regenerative medicine	
		★āl 画) / Course Objectives(授業の概要及び到達目標) ts of Class) ((授業内容))	<mark>Instructor</mark> (担当教員名)	Department (講座名) Class Room 〔実施場所〕	
1 2 Outli		erative medicine	Yoshihiro Matsumura Yukio Koizumi Jianbo An	Sidss Noon 【大爬场別	
3 4 Intro	duction to	Tissue Engineering	Yoshihiro Matsumura Yukio Koizumi Jianbo An	Department of	
5 Intro	duction to	PS cells and ES cells	Yoshihiro Matsumura Yukio Koizumi Jianbo An	[Reserch Building for Basic Medicine	
7 _{Intro} 8 ^{cells}	duction to	regenerative medicine research using iPS	Yoshihiro Matsumura Yukio Koizumi Jianbo An		
	tical trainin riments	g: ES cell culture and differentiation induction	Yoshihiro Matsumura Yukio Koizumi Jianbo An		
Grading C	<mark>riteria</mark> (成	え 績評価の基準と方法)	-	-	
the evalua examinatio	ntion will be ons, and the	in the lecture room + 15 hours of self-study, 4 made in consideration of the attendance state contents of the submitted report. (問い合わせ先(氏名, メールアドレス等))			

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

Name:Yoshihiro Matsumura / E-mail:ymatsumura@med.akita-u.ac.jp

<u>Coment</u>(その他特記事項)

(Contents of Class) ((授業内容)) (^{担当教員名)} Class Room〔実	Instructor Department (講座名)			Course Outline/ Course Objectives(授業の概要及び到達目標)
	実施場所	Class Room 〔	(担当教員名)	(Contents of Class) ((授業内容))

Information about courses: If you cannot attend the training due to work, such as a graduate student who is a member of society, 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 and lesson content.