授業科目名	Practice for medical research				
Title of Course					
対象学年	4th year students in the	単位	10		
Eligible Students	School of Medicine	Credits			
科目責任者 Responsible Instructor	SAKAGUCHI	所属	Virology		
	TAKEMASA	Affiliation	(内線 Ext. Number: 5157)		
		メール			
		E-mail			
	IMAIZUMI KAZUNORI	所属	Biochemistry		
		Affiliation	(内線 Ext. Number: 5130)		
		メール			
		E-mail			
	*Students should select	a laborato	ory that they wish to join by referring to the		
	Handbook for Practice for Medical Research.				
	① Students will conduct research in laboratories at Hiroshima University, including				
	the School of Medicine and the Research Institute for Radiation Biology and				
	Medicine. Students can belong to a laboratory in the Basic Social Medicine				
	Department, the Clinical Medicine Department, or the Research Institute for				
	Radiation Biology and Medicine. In this course, you will not be assigned to clinical				
	sites, but will conduct medical research.				
	② You may undertake your research at laboratories, in Japan and abroad, other				
	than those mentioned above, through an introduction by your supervisor. You				
	should look for a suitable laboratory in consultation with your supervisor, from a list				
	of available laboratories to which Hiroshima University students may be dispatched.				
授業方法	You can look for a labora	itory on you	ir own. However, even in that case, you will be		
Lesson Style	dispatched to the laboratory through your supervisor at Hiroshima University.				
	③ If you wish to conduct research at a laboratory outside the University, you should				
	make necessary preparations by communicating with your host laboratory and your				
	supervisor through whom you will be dispatched. In April, you must submit a				
	document detailing the research project you plan to conduct at the host laboratory				
	and the reason you wish to conduct research at that laboratory, to obtain prior				
	confirmation.				
	④ In the case of dispatch to a laboratory outside the University in Japan or abroad,				
	all travel and living expenses should be borne by the students. As for allowance for				
	practical training expenses (support from education related budgets), the University				
	pays only part of the consumable supplies expense.				
	Students are required to	give poster	and oral presentations of their work. Students		

	are also required to produce reports.		
概要 Overview	The Practice for medical research course aims to enable students to experience medical research and thereby understand what medical research is and help them become doctors or researchers with a research-oriented mindset. Medical research here refers to experiments that use cells, animals and various types of biomaterials, mathematical model-based research, medical-engineering collaborative research, social medical research that involves observation of a group of people, and etc. Through these research projects, students will communicate with research mentors and know the background of experiments as well as develop experiment plans and practice experimental techniques. Regardless of whether or not significant results are obtained from the research project, it is important to experience the process of research. Practical experiences in a clinical setting including observation of medical treatment are not included in the scope of medical research in this course.		
到達目標 Academic Goals			

講義日程 Class Schedule	All class hours from October of this year to January of the next year are spent on research. As for concrete schedule, consult with the laboratory to which the student belongs.
評価項目 Evaluation Item 評価法 Evaluation Method	Grades will be determined by the supervisor of the host laboratory or the supervisor who dispatches the student to the host laboratory, based on comprehensive evaluation of: a notebook for Practice for Medical Research and monthly reports to be submitted at the end of each month, presentations in presentation sessions, reports, and attitude during practical training.
推奨参考書 Recommended Reference Books	A list of recommended reference books will be provided by each laboratory, if any. Students are advised to review the textbooks in basic medicine. Students are advised to read research papers in English during practical training.