

Course title <English>	研究デザイン演習 Practicum in Research Design	Affiliated department, Job title, Name	Graduate School of Medicine Professor, FUKUHARA SHIYUNICHI			
Grade allotted	Professional degree students	Number of credits	1	Course offered year/period	2015/First semester	
Day/period	Fri.2 開講日注意	Class style	Seminar		Language	Japanese and English
[Outline and Purpose of the Course]						
This course will provide basic procedure or practical skills to conduct a healthcare research. Additionally, students will be able to learn how to convert concepts into measurable variables, and how to assess reliability or validity for measuring variables.						
[Course Goals]						
To convert vague questions to structured abstracts.						
<ol style="list-style-type: none"> 1) To convert vague questions to answerable and structured research questions (RQ) 2) To understand “concepts” and how you convert concepts into measurable variables 3) To convert RQ into conceptual model 4) To understand the theory and practice in measuring variables 5) To select the adequate study design to fit your RQ 6) To understand the third factors 7) To understand how you can refine quality of comparison in analytical study 8) To design and conduct survey research. 						
[Course Schedule and Contents]						
1 April 24	Conceiving and structuring your research question					
2 May 8	Building conceptual model					
3 May 22	Dealing with confounding factors					
4 Jun 5	Developing structured abstract					
5 Jun 19	Dealing with bias					
6 July 3	Selecting research design					
7 July 10	Conducting survey research					
8 July 17	Groups'presentation: Protocol outline (1st and 2nd)					
[Class requirement]						
<ul style="list-style-type: none"> • MPH Elective, MCR Required • You need to take or had taken ① + ② + ③ <ol style="list-style-type: none"> ① "Epidemiology" or "Epidemiology I " ② "Epidemiology II " ③ "Observational research" 						
[Method, Point of view, and Attainment levels of Evaluation]						
Perspiration in small group learning 50%, Presentation about protocol outline 50%,						
[Textbook]						
Instructed during class						
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研究デザイン演習 (2)

[Reference books, etc.]

(Reference books)

- Fukuhara S. 『Guidepost for clinical research: Learning study design by 7 steps』 (www.i-hope.jp/publication)
Hulley S 『Designing Clinical Research 2nd ed』 (William & Wilkins)
Fukuhara S. 『Conceiving and structuring your research question』 (www.i-hope.jp/publication)
Matsumura S. 『Building conceptual model』 (www.i-hope.jp/publication)

[Regarding studies out of class (preparation and review)]

- small group learning and discussion
- students presentation of research protocol

(Others (office hour, etc.))

- This class is not open to students from graduate school of human health science.

*Please visit KULASIS to find out about office hours.