

<b>Course title</b> <English>	疫学 II (研究デザイン)【領域1】 Epidemiology II		<b>Affiliated department, Job title, Name</b>	Graduate School of Medicine Professor, FUKUHARA SHUNICHI	
<b>Target year</b>	Professional degree students	<b>Number of credits</b>	1	<b>Course offered year/period</b>	2017/The first half of first semester
<b>Day/period</b>	Fri.1	<b>Class style</b>	Lecture	<b>Language</b>	Japanese and English
<b>[Outline and Purpose of the Course]</b>					
The Aim of this course is to learn core competency and practical skills in designing almost all types of projects by students at SPH, except qualitative research.					
<b>[Course Goals]</b>					
To convert vague questions to structured abstracts. 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					
<b>[Course Schedule and Contents]</b>					
1 April 14 (1st period)Designing research - 7 steps (Fukuhara) 2 April 14 (2nd period)Structuring your research question (Fukuhara) 3 April 21 Causes to undermine the quality of comparison (Fukuma) 4 April 28 Causes to improve the quality of comparison (Fukuma) 5 May 12 Testing a test(Yamamoto) 6 May 26 Designing measurement (Fukuhara) 7 May 26 Index to measure effect(Fukuhara) 8 June 2 Examination					
<b>[Class requirement]</b>					
MPH, MCR Required You need to had taken "Epidemiology" or take "Epidemiology ".					
<b>[Method, Point of view, and Attainment levels of Evaluation]</b>					
Attendance 40%, Examination 60%					
<b>[Textbook]</b>					
Instructed during class					
Continue to 疫学 II (研究デザイン)【領域1】(2)					

**[Reference books, etc.]**

**( Reference books )**

Fukuhara S 『Guidepost for clinical research: Learning study design by 7 steps』 ( [www.i-hope.jp/publication](http://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](http://www.i-hope.jp/publication) )

Matsumura S. 『Building conceptual model』 ( [www.i-hope.jp/publication](http://www.i-hope.jp/publication) )

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

- Didactic lectures
- Discussion at each lecture

**( Others (office hour, etc.) )**

\*Please visit KULASIS to find out about office hours.