

<b>Course title</b> <English>	解析計画実習 Health Data Processing Laboratory		<b>Affiliated department, Job title, Name</b>	Graduate School of Medicine Professor, SATO TOSIYA Ministry of Health, Labour and Welfare MORI KAZUHIKO Pharmaceuticals and Medical Devices Agency ANDO YUKI Kobe University OMORI TAKASHI	
<b>Grade allotted</b>	Professional degree students	<b>Number of credits</b>	2	<b>Course offered year/period</b>	2016/Second semester
<b>Day/period</b>	Tue.3,4	<b>Class style</b>	Practical training	<b>Language</b>	Japanese
<b>[Outline and Purpose of the Course]</b>					
<p>This program provides students technical issues to develop a statistical analysis plan and a study protocol. This program provides practice to review new pharmaceutical products. At the end of this program, students develop their statistical analysis plans for their master thesis and give presentation for them.</p>					
<b>[Course Goals]</b>					
<ul style="list-style-type: none"> <li>- Understand study guidelines</li> <li>- Apply stratified analysis and regression models using JMP statistical software and interpret results</li> <li>- Be familiar with review of submitted documents for approval on new pharmaceutical products</li> <li>- Write analysis plan for master thesis</li> </ul>					
<b>[Course Schedule and Contents]</b>					
<p>October 4 Study guidelines 1  October 11 Study guidelines 2 (Presentation)  October 18 Stratified analysis  October 25 Comparison of means  November 1 No class  November 8 Regression analysis  November 15 Generalized linear models  November 22 Survival analysis  November 29 Review practice for new pharmaceutical products 1  December 6 Review practice for new pharmaceutical products 2  December 13 Review practice for new pharmaceutical products 3 (Presentation)  (14:45-18:00)  December 20 Missing data  January 10 Producing statistical analysis plan 1  January 17 Producing statistical analysis plan 2  January 24 Producing statistical analysis plan 3 (Presentation)</p>					
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## 解析計画実習(2)

### [Class requirement]

Elective

All students in the course are expected to take "Introduction to Statistical Computing."

### [Method, Point of view, and Attainment levels of Evaluation]

Reports and presentations

### [Textbook]

- 『Distributed materials in "Fundamentals of Biostatistics"』
- 『Distributed materials in "Introduction to Statistical Computing"』
- 『Distributed materials in "Intermediate Biostatistics"』

### [Reference books, etc.]

#### (Reference books)

You must download and install the statistical software JMP on your own computer. Please see <http://www.med.kyoto-u.ac.jp/software/JMP/>.

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

Introduction to Statistical Computing

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

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