

<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 Graduate School of Medicine Assistant Professor, YONEMOTO NAOHIRO Ministry of Health, Labour and Welfare MORI KAZUHIKO Pharmaceuticals and Medical Devices Agency ANDO YUKI Kobe University OMORI TAKASHI	
<b>Target year</b>	Professional degree students	<b>Number of credits</b>	2	<b>Course offered year/period</b>	2017/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 course provides students technical issues to develop a statistical analysis plan and a study protocol.  This course provides practice to review new pharmaceutical products.  At the end of this program, students develop their statistical analysis plans for their master's 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's thesis</li> </ul>					
<b>[Course Schedule and Contents]</b>					
<ol style="list-style-type: none"> <li>1. October 3 Study guidelines 1</li> <li>2. October 10 Study guidelines 2</li> <li>3. October 17 Stusy guidelines 3 (Presentation)</li> <li>4. October 24 Stratified analysis</li> <li>5. October 31 Comparison of means</li> <li>6. November 7 Regression analysis</li> <li>7. November 14 Generalized linear models</li> <li>8. November 21 Survival analysis</li> <li>9. November 28 Missing data analysis</li> <li>10. December 5 Review practice for new pharmaceutical products 1</li> <li>11. December 12 Review practice for new pharmaceutical products 2</li> <li>12. December 19 Review practice for new pharmaceutical products 3 (Presentation) (14:45-18:00)</li> <li>13. January 9 Developing statistical analysis plan 1</li> <li>14. January 16 Developing statistical analysis plan 2</li> <li>15. January 23 Producing statistical analysis plan 3 (Presentation)</li> </ol>					
<b>[Class requirement]</b>					
Elective					
<p>All students in the course are expected to take "Introduction to Statistical Computing."  Continue to 解析計画実習(2)</p>					

## 解析計画実習(2)

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### [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.