

## Applied Statistics (English / Japanese)

UGAS common course	1 Credit	<b>Instructor</b> HIYANE Akira
<p><b>Brief description</b></p> <p>&lt;Objectives&gt;            The main theme of this course is to learn new methods and applications of statistical data analysis. Students will obtain theoretical, methodological and basic knowledge of the applied statistical methods, and the ability to solve statistical problems for their own research.</p> <p>&lt;Lecture outline&gt;</p> <ol style="list-style-type: none"> <li>1. An intensive program (1 or 2 days) that includes both lectures and exercises.</li> <li>2. In contrast to research guidance, this lecture consists of one body of knowledge. This is intended to be useful in the long term for people analyzing some sort of data for their research. This lecture will be conducted on the premise that students have basic knowledge of mathematics such as matrices and calculus, and basic statistical knowledge.</li> <li>3. Students submit a report on the statistical measures they use for their research and several questions they have regarding data analyses. Most class hours are spent on discussing issues described in the reports.</li> <li>4. Students write and submit a report on achievements obtained from the lecturers and exercises.</li> </ol>		
<p><b>Grading</b></p> <p>Evaluation will be based on attendance and reports submitted before and after classes.</p>		
<p><b>Special instruction</b></p> <p>UGAS designates at least one statistics advisor in each constituent university. This statistical course covers a wide variety of statistical topics in a short period of time, and is designed to be a comprehensive course that includes discussion with the statistics advisors before the class starts. Students are expected to write a report on pre-course discussions.</p> <p>*Working students, especially those who belong to research institutes, are strongly advised to take this course.</p>		

### The flow of the Applied Statistics Course

