

Course title <English>	ベンチトレーニングコース On the Bench Training Course	Affiliated department, Job title, Name	Graduate School of Medicine Associate Professor, HARADA KOUJI Graduate School of Medicine Professor, KOIZUMI AKIO		
Grade allotted	Professional degree students	Number of credits	2	Course offered year/period	2015/Second semester
Day/period	Fri.3,4	Class style	Lecture	Language	Japanese and English
[Outline and Purpose of the Course]					
I. Course Description The practice of the GLP will be given for learning protocol writing, protocol presentation, protocol meeting, sample collection, sample measurement, audit, paper writing and review.					
[Course Goals]					
II. Course Goals and Objectives Skills in handling Gas Chromatography / Mass Spectrometry (GC-MS) Skill for protocol writing in accordance with the practice of GLP Conduct laboratory works in accordance with GLP Skill the experimented data Skill the experimented data Skill to write a company paper					
[Course Schedule and Contents]					
Course Schedule Oct 2 Orientation Oct 9 Gas Chromatography 24-1, 24-2, 24-3 Oct 16 Gas Chromatography 24-4, 24-5 Oct 23 Mass Spectrometry 22-1, 22-2 Oct 30 Mass Spectrometry 22-3, 22-4 Nov 6 Discussion of theme Nov 13 Presentation of background Nov 20 Protocol Writing Dec 4 Protocol Presentation Dec 11 Sample collecting Dec 18 Sample measurement (1) Dec 25 Sample measurement (2) Jan 8 Summarize the data Jan 15 Presentation the data Jan 22 Writing Paper					
[Class requirement]					
Elective					
[Method, Point of view, and Attainment levels of Evaluation]					
V. Course Grade Attendance and active participation 50%					
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ベンチトレーニングコース(2)

Presentation 50%

[Textbook]

Not used

IV. Course Text and Readings

Handouts

1. Code of Federal Regulations ICH Guideline
2. Quantitative Chemical Analysis 6th edition Daniel C. Harris, W. H. Freeman and Company, 2003

[Reference books, etc.]

(Reference books)

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

III. Methods of Instruction

Lecture and small group working

(Others (office hour, etc.))

Credits of “Introduction to Toxicology” and “Environmental Health” simultaneous registration of “Toxicology” are required.

*Please visit KULASIS to find out about office hours.