

Course title <English>	中毒学 Toxicology	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.2	Class style	Lecture	Language	Japanese and English
[Outline and Purpose of the Course]					
I. Course Description The understanding of GLP (Good Laboratory Practice) is essential for toxicology study. The course is aimed to provide the basis of modern toxicology research. In addition, advanced toxicology for toxicokinetics and chemical analysis will be given in the latter half of the course.					
[Course Goals]					
II. Course Goals and Objectives Knowledge of GLP Knowledge of toxicokinetics and mathematical models Knowledge of chemical analysis Skill to audit toxicological research					
[Course Schedule and Contents]					
Course Schedule Oct 2 Orientation Oct 9 GLP “General Provisions” and “Organization and Personnel” Oct 16 GLP “Facilities” and “Equipment” Oct 23 GLP “Testing Facilities Operation” and “Test and Control Articles” Oct 30 GLP “Protocol for and Conduct of a Non-clinical Laboratory Study” Nov 6 GLP “Records and Reports” Nov 13 GLP “Disqualification of Testing Facilities” Nov 20 GLP “Timing of Pre-clinical Studies in Relation to Clinical Trials” Dec 4 GLP “Preclinical Safety Evaluation of Biotechnology-Derived Pharmaceuticals” Dec 11 GLP “Safety Pharmacology Studies for Human Pharmaceuticals” Dec 18 Toxicokinetics 1 Dec 25 Toxicokinetics 2 Jan 8 Research ethics Jan 15 Chemical analysis 1 Jan 22 Chemical analysis 2					
[Class requirement]					
Elective					
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中毒学(2)

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

III. Methods of Instruction

Lecture

Small group teaching and discussion

[Textbook]

Instructed during class

IV. Course Text and Readings

1. Code of Federal Regulations ICH Guideline

2. Lu's BASIC TOXICOLOGY 4th edition Frank C. Lu and Sam Kacew, Taylor and Francis, 2002

[Reference books, etc.]

(Reference books)

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

V. Course Grade

Attendance and active participation 50%

Presentation 50%

(Others (office hour, etc.))

Credits of "Introduction to Toxicology" and "Environmental Health" are required.

*Please visit KULASIS to find out about office hours.