

Course title <English>	医学基礎 I Basic Medicine I		Affiliated department, Job title, Name	Graduate School of Medicine Professor, KAWAKAMI KOUJI	
Grade allotted	Professional degree students	Number of credits	2	Course offered year/period	2015/First semester
Day/period	Mon.3	Class style	Lecture	Language	Japanese and English
[Outline and Purpose of the Course]					
Director and Instructors: Nobuko Hagiwara (Professor, Kyoto Notre Dame University)					
This course introduces the basics of human anatomy, physiology, endocrinology, biochemistry, immunology as a basis for the understanding of human diseases.					
[Course Goals]					
<ul style="list-style-type: none"> • To understand the basics of life phenomenon and structures of human body (cells, tissues, organs, organ systems) and understand the importance of body fluid. • To understand the basics of homeostasis and biological rhythm • To understand the endocrine system • To understand the reproductive system • To understand the components of the blood and their functions and the coagulation system • To understand the respiratory system • To understand the mechanism of formation of urine and excretion • To understand the regulation mechanism of the metabolism and body temperature • To understand the defense mechanisms of the body and immunology • To understand nutrition and metabolism 					
[Course Schedule and Contents]					
Course Schedule (* Schedule may be changed)					
1	April 20	Chap 1 Life and homeostatis			
2	April 27	Chap 1 Homeostasis of internal milieu Endocrine system, Introduction			
3	May 11	Chap 9 Endocrine system 1			
4	May 18	Chap 9 Endocrine system 2			
5	May 25	Chap 13 Reproductive system			
6	June 1	Chap 2 Blood			
7	June 8	Chap 5 Respiratory system Introduction Respiratory system 1			
8	June 15	Chap 5 Respiratory system 2			
9	June 22	Chap 12 Urinary system Introduction Urinary system 1			
10	June 29	Chap 12 Urinary system 2			
11	July 6	Chap 11 Metabolism (Regulation of body temperature)			
12	July 13	Chap 3 Biological protection			
13	July 27	Chap 10 Digestive system 1			
14	August 3	Chap 10 Digestive system 2 (Practicum Room)			
				Continue to 医学基礎 I(2) ↓ ↓ ↓	

医学基礎 I(2)

15 August 4 Overview (Written examination , 8:45-10:15, Practicum Room)

[Class requirement]

First Semester , Required for students without medical background

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

Attitude 30%, Examination 70%

[Textbook]

Required reading: Please purchase the following textbook before class starts.

・佐藤昭夫、佐伯由香編. 人体の構造と機能. 医歯薬出版, 2012

Suggested readings :

・A.シェフラー、S.シュミット (三木明德、井上覧央訳). からだの構造と機能. 西村書店, 2002

・浦野哲盟、窪田隆裕、丸中良典他6名. 人体生理学. 朝倉書店, 2006

・小澤澁司、福田康一郎総編集、標準生理学. 医学書院, 2009

[Reference books, etc.]

(Reference books)

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

Preparation in advance and review after lecture

(Others (office hour, etc.))

Koji Kawakami (Education Committee Chairman; Professor, Department of Pharmacoepidemiology;
kawakami.koji.4e@kyoto-u.ac.jp)

※The class is open to students from Graduate School of Human Health Science.

*Please visit KULASIS to find out about office hours.