[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]

• 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 12 Chap 2 Homeostasis and Biological rhythm
2 April 19 Chap 8 Body Fluid
Endocrine system, Introduction
3 April 26 Chap 15 Endocrine system 1
4 May 10 Chap 15 Endocrine system 2
5 May 17 Chap 16 Reproductive system
6 May 24 Chap 7 Blood
7 May 31 Chap 10 Respiratory system Introduction, Respiratory system 1
8 June 7 Chap 10 Respiratory system 2
9 June 14 Chap 13 Urinary system Introduction, Urinary system 1
10 June 21 Chap 13 Urinary system 2
11 June 28 Chap 14 Regulation of body temperature
12 July 5 Chap 9 Biological protection
13 July 12 Chap 10 Digestive system Introduction, Digestive system 1
14 July 19 Chap 10 Digestive system 2

Continue to [医学基礎 I(2)]
15 July 26 Overview (Written examination)

[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 (三木明徳、井上貞央訳). からだの構造と機能．西村書店，2002
・浦野哲昭、窪田隆裕、丸中良典他6名．人体生理学．朝倉書店，2006
・小澤満司、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.