이화여자대학교
EWHA WOMANS UNIVERSITY

Syllabus (2025-Fall)

Course Title	Anatomy and Physiology II	Course No.	38937-01 38937-02 39042-01
Department/Major	약학 / 미래산업약학	Credit/Hours	3.0 / 3.0
Class Time/ Classroom	38937-01: Tue 3 (11:00 ~ 12:15), Fri 4 (12:30 ~ 13:45) / 포551 38937-02: Tue 5 (14:00 ~ 15:15), Fri 2 (09:30 ~ 10:45) / 포551 39042-01: Tue 4 (12:30 ~ 13:45), Fri 3 (11:00 ~ 12:15) / 포551		
Instructor	Name: Sujung Yoon / So Yeon Park	College of Pharmacy	
Office Hours/ Office Location			

Ⅰ. Course Overview

1. Course Description

This course is an undergraduate-level introduction to human physiology. It emphasizes: (1) the scientific approaches that have led to our current understanding, (2) the interplay of studies at the level of organ systems and of whole organisms with studies. This course will develop an understanding of physiological processes that occur in human body. After completing of this course, students will acquire fundamental knowledge to understand disease and cultivate the ability to apply physiological knowledge in the field of clinical pharmacy.

2. Prerequisites

Anatomy and Physiology I

3. Course Format

Lecture	Other
80 %	20 %

(Instructor can change to match the actual format of the class.)

4. Course Objectives

At the end of the course the students will be able to:
1) Explain the normal functioning of organ systems of the human body.
2) Demonstrate an understanding of how organ systems of the body are integrated and regulated.
3) Describe how homeostasis is maintained in the body

This course consists of 6 modules as follows:
[module 1] Blood (Ch14); Lymphatic system and Immunity (Ch16); Water, Electrolyte, Acid-base balance (Ch21)
[module 2] Digestive system (Ch17); Nutrition and Metabolism (Ch18)
[module 3] Respiratory system (Ch19); Urinary system (Ch20)
[module 4] Pregnancy, Growth and Development (Ch23), Genetics and Genomics (Ch24)
[module 5] Cardiovascular system (Ch15)
[module 6] Endocrine system (Ch13); Reproductive system (Ch22)

[Midterm Exam] Blood (Ch14); Lymphatic system and Immunity (Ch16); Water, Electrolyte, Acid-base balance (Ch21);
Digestive system (Ch17); Nutrition and Metabolism (Ch18);
Respiratory system (Ch19); Urinary system (Ch20)

[Final Exam] Pregnancy, Growth and Development (Ch23), Genetics and Genomics (Ch24);
Cardiovascular system (Ch15);
Endocrine system (Ch13); Reproductive system (Ch22)

5. Evaluation System

■ Relative evaluation ☐ Absolute evaluation ☐ Others:

- Explanation of evaluation system:

Grading system: A ≤ 45% and A+B ≤90%

Midterm Exam	Final Exam	Quizzes/ Assignments	Participation
45 %	45 %	5 %	5 %

* Evaluation of group projects may include peer evaluations.

Ⅱ. Course Materials and Additional Readings

1. Required Materials

Hole's Human Anatomy and Physiology 17th edition by Charles Welsh and Cynthia Prentice-Craver, McGrowHill, 2024

2. Supplementary Materials

Lippincott's Illustrated Q&A Review of Rubin's Pathology

3. Optional Additional Readings

Human Physiology, 9th Edition by Sherwood, CENGAGE Learning, 2016
Understanding Human Anatomy & Physiology, 10th Edition by Mader, McGrawHill, 2019
Human Physiology, 16th Edition by Vander, McGrawHill, 2022

Ⅲ. Course Policies

* For laboratory courses, all students are required to complete lab safety training.

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IV. Course Schedule (15 credit hours must be completed.)

Week	Date	Form of Class	Topics & Class Materials, Assignments
Week 1	9/2 (Tue)	Face-to-Face Lecture	Introduction [So Yeon Park]
	9/5 (Fri)	Video Lecture	Blood [So Yeon Park]
Week 2	9/9 (Tue)	Video Lecture	Lymphatic system and Immunity 1 [So Yeon Park]
	9/12 (Fri)	Video Lecture	Lymphatic system and Immunity 2 [So Yeon Park]
Week 3	9/16 (Tue)	Video Lecture	Water, Electrolyte, Acid-base balance [So Yeon Park]
	9/19 (Fri)	Face-to-Face Lecture	Case study on module 1 [So Yeon Park]
Week 4	9/23 (Tue)	Video Lecture	Digestive system 1 [So Yeon Park]
	9/26 (Fri)	Video Lecture	Digestive system 2 [So Yeon Park]
Week 5	9/30 (Tue)	Video Lecture	Nutrition and Metabolism [So Yeon Park]
	10/3 (Fri)	Face-to-Face Lecture	Case study on module 2 [So Yeon Park] *개천절 (공휴일-makeup class)
Week 6	10/7 (Tue)	Video Lecture	Respiratory system 1 [So Yeon Park] *추석 (공휴일-makeup class)
	10/10 (Fri)	Video Lecture	Respiratory system 2 [So Yeon Park]
Week 7	10/14 (Tue)	Video Lecture	Urinary system 1 [So Yeon Park]
	10/17 (Fri)	Video Lecture	Urinary system 2 [So Yeon Park]
Week 8	10/21 (Tue)	Face-to-Face Lecture	Case study on module 3 [So Yeon Park]
	10/24 (Fri)	Face-to-Face Lecture	Midterm exam & Review– to be announced [Sujung Yoon / So Yeon Park]
Week 9	10/28 (Tue)	Face-to-Face Lecture	Midterm exam & Review– to be announced [Sujung Yoon / So Yeon Park]
	10/31 (Fri)	Video Lecture	Pregnancy, Growth and Development [So Yeon Park]
Week 10	11/4 (Tue)	Video Lecture	Genetics and Genomics [So Yeon Park]
	11/7 (Fri)	Face-to-Face Lecture	Case study on module 4 [So Yeon Park]
Week 11	11/11 (Tue)	Video Lecture	Cardiovascular system 1 [Sujung Yoon]
	11/14 (Fri)	Video Lecture	Cardiovascular system 2 [Sujung Yoon]
Week 12	11/18 (Tue)	Video Lecture	Cardiovascular system 3 [Sujung Yoon]
	11/21 (Fri)	Face-to-Face Lecture	Case study on module 5 [Sujung Yoon]
Week 13	11/25 (Tue)	Video Lecture	Endocrine system 1 [Sujung Yoon]
	11/28 (Fri)	Video Lecture	Endocrine system 2 [Sujung Yoon]
Week 14	12/2 (Tue)	Video Lecture	Reproductive system 1 [Sujung Yoon]

Week	Date	Form of Class	Topics & Class Materials, Assignments
Week 15	12/5 (Fri)	Video Lecture	Reproductive system 2 [Sujung Yoon]
	12/9 (Tue)	Face-to-Face Lecture	Case study on module 6 [Sujung Yoon]
	12/12 (Fri)	Face-to-Face Lecture	Final exam & Review– to be announced [Sujung Yoon / So Yeon Park]
Week 16	12/16 (Tue)	Face-to-Face Lecture	Final exam & Review– to be announced [Sujung Yoon / So Yeon Park]
Makeup Class	추후공지	Face-to-Face Lecture	Case study on module 2 [So Yeon Park] *개천절 (공휴일-makeup class)
		Video Lecture	Respiratory system 1 [So Yeon Park] *추석 (공휴일-makeup class)

V. Special Accommodations

* According to the University regulation section #57-3, students with disabilities can request for special accommodations related to attendance, lectures, assignments, or tests by contacting the course professor at the beginning of semester. Based on the nature of the students' request, students can receive support for such accommodations from the course professor or from the Support Center for Students with Disabilities (SCSD). Please refer to the below examples of the types of support available in the lectures, assignments, and evaluations.

Lecture	Assignments	Evaluation
. Visual impairment : braille, enlarged reading materials . Hearing impairment : note-taking assistant . Physical impairment : access to classroom, note-taking assistant	Extra days for submission, alternative assignments	. Visual impairment : braille examination paper, examination with voice support, longer examination hours, note-taking assistant . Hearing impairment : written examination instead of oral . Physical impairment : longer examination hours, note-taking assistant

- Actual support may vary depending on the course.

* The contents of this syllabus are not final—they may be updated.