



## 10710DMS 370300 人體生理與解剖學 (Human Anatomy & Physiology)

### **COURSE IDENTIFICATION**

LS Bldg. II 107: Human Anatomy & Physiology

Lecture: Mon 15:30-18:20

Lecturers: Prof. Chuang-Rung Chang, Prof. Ming-Der Perng, Prof. Yung-Jen Chuang,  
Prof. Jia-Lin Lee

### **COURSE DESCRIPTION:**

Human Anatomy and Physiology is intended for Department of Medical Science majors. Course (10710DMS 370300) encompasses both, anatomy and physiology of the human body. It includes cell structure and function and basic concepts of A&P. The focus of this course (A&P) is on the basic concepts, cellular level, Integumentary, Muscular, Nervous, Endocrine, Cardiovascular, Lymphatic, Respiratory, Digestive, Urinary and Reproductive systems.

#### **Course Outcomes: Students will be able to**

1. Recognize and understand anatomical and physiological terminology
2. Know major organic and inorganic chemicals as they relate to the human body
3. Describe cellular structure and cellular activity
4. Discuss anatomical and physiological features of Integumentary, Muscular, Nervous, Endocrine, Cardiovascular, Lymphatic, Respiratory, Digestive, Urinary and Reproductive systems.
5. Apply the concept of homeostasis to human physiological activity
6. Evaluate select pathological conditions as they relate to normal functioning of the above-named systems

### **TEXTBOOK:**



**Essential of Human Anatomy and Physiology 12th edition by Elaine N. Marieb, Pearson Education. ISBN: 978-1-292-21611-9**

Author(s):

Elaine N. Marieb, PhD, Professor, Holyoke Community College

- Now in its Eleventh Edition, the best-selling Essentials of Human Anatomy and Physiology continues to set the standard for one-semester A&P texts. With her hallmark clear and friendly writing style and meaningful analogies, Elaine Marieb emphasizes the relevance of anatomy & physiology to students' lives and future careers. The book continues to offer just the right balance of anatomy, physiology, and clinical coverage to make the content complete, but not overwhelming. New clinical photos in the Homeostatic Imbalance feature help students visualize diseases and disorders, and new integrated Concept Links help students make connections across topics and body systems. A new, more modern design makes the book more accessible than ever, and new specific references to MasteringA&P direct students to study tools and resources that reinforce their understanding of chapter concepts.

### **ATTENDANCE:**

Students are expected to attend all lectures **AND BE ON TIME!** If you are perpetually late to this class it may result in the loss of points. Excuses should be prior to class in order to be accepted. (You can contact lecturers by email)

### **EXAMS:**

There will be three lecture exams.

### **SYLLABUS**

	Date	Chapter and Topics	Teacher
1	9/10	<b>Chapter 3: Cells and Tissues</b>	Dr. CR Chang
2	9/17	<b>Chapter 4: Skin and Body Membranes</b>	Dr. CR Chang
3	10/01	<b>Chapter 5: The Skeletal System</b>	Dr. CR Chang
4	10/08	<b>Chapter 6: The Muscular System</b>	Dr. MD Perng
5	10/15	<b>Chapter 7: The Nervous System</b>	Dr. JL Lee
6	10/22	<b>Midterm Exam 1 (Chapter 3-7)</b>	
7	10/29	<b>Chapter 8: Special Senses</b>	Dr. MD Perng
8	11/05	<b>Chapter 9: The Endocrine System</b>	Dr. MD Perng
9	11/12	<b>Chapter 10: Blood</b>	Dr. YJ Chuang
10	11/19	<b>Chapter 11: The Cardiovascular System</b>	Dr. YJ Chuang
11	11/26	<b>Chapter 12: The Lymphatic System and Body Defenses</b>	Dr. YJ Chuang
12	12/03	<b>Midterm Exam 2 (Chapter 8-12)</b>	
13	12/10	<b>Chapter 13: The Respiratory System</b>	Dr. YJ Chuang
14	12/17	<b>Chapter 14: The Digestive System and Body Metabolism</b>	Dr. JL Lee
15	12/24	<b>Chapter 15: The Urinary System</b>	Dr. JL Lee

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16	01/07	<b>Chapter 16: The Reproductive System</b>	Dr. JL Lee
17	01/14	<b>Final Exam (Chapter 13-16)</b>	

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