

Course GS-10**ANATOMY & PHYSIOLOGY II (LECTURES)** (45 contact hours) (Second semester)Prof. Dr. María José Peral Rubio (mjperal@us.es)Prof. Dr. Alfonso Mate Barrero (mate@us.es)Prof. Dr. Pablo García Miranda (pgarcia2@us.es)Prof. Dr. María Dolores Vázquez Carretero (mvazquez1@us.es)**Objectives**

This course is a continuation of Anatomy & Physiology I. The aim of this course is to acquire knowledge of the general structure and function of the human body. We will focus on the blood, immune, lymphatic, cardiovascular, respiratory, urinary, digestive and reproductive systems. Special emphasis will be placed on the interactions among those systems and on the regulation of physiological functions involved in maintaining homeostasis.

Syllabus

Chapter 1. Blood

Chapter 2. Immune System

Chapter 3. Lymphatic System

Chapters 4 and 5. Cardiovascular System

Chapter 6. Respiratory System

Chapters 7 and 8. Urinary System

Chapter 9. Digestive System

Chapter 10. Reproductive System

Assessment

Evaluation will consist of four exams that will be taken during classroom sessions. The final grade will be based on the total score of the four exams administered. Attendance and active participation in class is mandatory.

Bibliography

-McKinley, O'Loughlin and Bidle. *Anatomy & Physiology: An Integrative Approach* 2nd Edition. McGraw-Hill Education, 2016.

-Guyton and Hall. *Textbook of Medical Physiology*. JE Hall, 13th edition. Elsevier, 2016.