Course Specifications

General Information

Course name	Physiology (2)
Course number	BIOL4201
Faculty	
Department	
Course type	Major Needs
Course level	4
Credit hours (theoretical)	2
Credit hours (practical)	0
Course Prerequisites	

Course Objectives

1 - This course aims to offer an in-depth presentation of the function of the major organs and organ systems of the human body and role of each organ and organ system in maintaining health.

Intended Learning Outcomes

Knowledge and Understanding

* Upon completion of this course the student should be able to: Describe the functions of the distinctive cells that comprise each major organ and when appropriate define the role of physiological functional units. Appreciate basic indices of physiological states of the cardiovascular, respiratory, digestive, urinary, and reproductive systems. Understand alternations of physiological mechanisms in pathophysiological states, conditions or diseases. Demonstrate competence in the performance and interpretation of diagnostic procedures and techniques including vital signs determination, inspection, palpation, and auscultation. Obtain other relevant diagnostic information such as laboratory tests and medical consultations when appropriate. Recognize the normal range of clinical and radiographic findings and conditions that require monitoring or management. Interpret findings from the history, clinical and radiographic examinations, and other diagnostic procedures.

Course Contents

1 - This course is a continuation to Human physiology (I) . It is designed to provide students with an understanding of the function & regulation of the human body and physiological integration of the organ systems to maintain homeostasis. The course content will include study of the cardiovascular, respiratory, digestive, urinary, and reproductive systems. The student will learn how to measure the vital signs.

Students Assessment

Assessment Method	TIME	MARKS
3 Quizzes	10 min	30
midterm	30	60 min
final exam	120 min	40

Books and References

Essential books	Hall, J. E. (2016). Guyton and Hall textbook of medical physiology. 13 ed, Elsevier Health Sciences. Chicago