

Physiology Course Description

The Physiology course is one of the basic requirements of human medicine program. It is taught in first and second years. The number of study hours is 213 hours. The course aim to : provide our students with a thorough understanding of the basic principles of Medical Physiology. Enable them to integrate what they have learned about body structure, biochemistry, and physiology into a meaningful body of biomedical knowledge. Provide insights into the pathophysiologic mechanisms of disease, thereby giving our students a solid foundation for their future medical training and clinical practice.

Learning Outcomes

Knowledge and understanding:

1. Describe the basic physiological concepts of homeostasis.
2. Discuss the functions of the different body organ system
3. Explain how the functions of the different body organ systems are controlled.

Intellectual skills

1. Illustrate the integration of the functions of the different body organ systems in maintaining homeostasis
2. Depict the Patho-physiological consequences of dysfunctions of the different body organ systems

Practical skills

1. Behave professionally including attendance, punctuality, and preparedness.
2. Able to interact effectively with their classmates.
3. Recognize and effectively deal with unethical behavior of their classmates if encountered.

General and transferable skills

1. Use verbal language effectively.
2. Use effective listening skill
3. Facilitate the learning of other students, including giving effective feedback.
4. Communicate essential information effectively within their classmates.

Teaching and learning methods:

1. Lectures
2. Practical sessions

Method of Evaluation:

1. MCQs and short essay
2. Oral exam
3. practical exam

References:

1. Guyton and Hall textbook of medical physiology 13th edition.
2. William .F. Ganong, textbook of medical physiology 23th edition .