**General comments and recommendations**

Training in Physiology must achieve the following ***tasks*** in the students masters in medicine:

* To acquire the required volume of knowledge of the physiology, set out in the educational content
* To apply your knowledge of chemistry, biochemistry, physics, biophysics, general biology and morphology in answering questions and solving of tasks in the field of Physiology
* To apply your knowledge of the different sections of Physiology in resolving problems relating to the adaptation of human body to different States and conditions.
* To acquire skills for performing experiments on animals, provided for in the program, and to interpret the experiment results.
* To carry out the following clinical research methods:
* registration of ECG
* auscultation of the heart sounds
* measurement of arterial pressure
* measurement of lung volumes and capacities
* determining the gas composition of the exhaled air
* determination of metabolic rate by the method of indirect calorimetry
* clearance method for the study of kidney function
* determining the parameters of acid-base balance and correction of disorders
* diagnosis of early pregnancy
* study of clinically important reflexes in human
* audiometry
* study of visual acuity
* study of color vision
* study of pupil’s reflexes
* perimetry
* electroencephalography
* ergography.
* determining the number of WBC and RBC; hemoglobin, hematocrit and calculation of hematological indices
* determination of ESR
* determination of clothing and bleeding time
* determining the blood groups
* To carry out an analysis of the results of the clinical research methods
* To know the physiological intervals of fundamentals of composition of body fluids and of parameters characterizing the basic functions in the human organism.

**FORMS OF TRAINING:**

* + Lectures
  + Еxercises

**Training methods:**

* + lecture presentation
  + practical exercises
  + discussions
  + individual and group practical tasks
  + study of scientific literature
  + self-study

**CONTROL AND ASSESSMENT OF KNOWLEDGE:**

* Current assessment with tests and colloquiums
* The final assessment by a practical examination and theoretical written and oral examination