**THEMATIC PLAN OF PRACTICAL LESSONS**

**for foreign students of medical department**

**of the 2-nd year study**

(the 1-st semester )

**2012-2013 st.y.**

|  |  |
| --- | --- |
| **SUBJECT** | **Quantity of hours** |
| 1. The Human Body. Nouns in the Instrumental, Accusative, Genitive and Locative cases. Gr. Structures.Що? називається Чим?, Що? утворює Що?, Що? складається з Чого?, Що? міститься Де? | 2 |
| 2. Musculoskeletal System: skeleton, bones, joints. Characteristics of the composition of the subject. Complex words. Gr. Structures. Що? утворює Що?, Що? з’єднується Чим? | 2 |
| 3. Musculoskeletal system: muscle. Description The subject of external and internal features. Gr. Structures: Що? входить до складу Чого?, Що? має багато(мало) Чого?, у залежності від Чого? Що? поділяється на Що?, за складом (формою) Що? поділяється на Що? | 2 |
| 4. Composition of blood. Characteristics of the structure of the subject. Gr. Structures: Де? міститься Що?, Що? складається з Чого?. Complex words. | 2 |
| 5. Vessels, arteries and veins. Characteristics of the subject by function. Verbs of motion. The structure of the heart. Characteristics of the subject by the structure and functions. Gr. Structures: Що? працює Як? Що? Складається з Чого? | 2 |
| 6. Cardiac muscle. Characteristics subject to internal functions. Gr. Structures: Що? відповідає Чому?, Що? працює Як?  Pulse. Characteristics of the process. Verbal nouns. Degrees of comparison of adverbs. Gr. Structure: Що? залежить від Чого? | 2 |
| 7. Brain - Body CNS. The main part of the brain. Characteristics subject for components. Gr. Structures: Що складається з Чого?, Що? одержує (передає) Що?, Що? має Що?, Що? відповідає за Що? Abbreviations. | 2 |
| 8. Brain stem and cerebellum. Characteristics of the subject in location and function. Gr. Structures: Що? міститься (знаходиться, лежить) Де?, Що? з’єднує(ся) з Чим?, Що? контролює Що?, Що? контролює Що? | 2 |
| 9. Cerebral hemispheres. Characteristics of the subject the composition, location and functional features. Gr. Structures: Що? ділиться на Що?, Що? містить Що?, Що? міститься Де?, Що? відповідає за Що?, Що? відбувається Де?, Де? існує Що? | 2 |
| 10. Cerebral hemispheres. Characteristics of direction. Gr. Structures: Звідки? надходить Що?, Що? надсилається Куди?, Що? надсилає Що? Куди?, Куди? надходить Що? | 2 |
| 11. Human nervous system. Characteristics of the structure of the subject. Gr. Structure: Що? складає Що? Respiratory system. Characteristics of the subject by structure. Gr. Structures: Що складається з Чого?, Що? постачає Що? Чим? | 2 |
| 12. Respiratory system. The characteristics of a place for his course. Gr. Structures: Що? надходить до Чого?, Що? скорочується Коли?, Що? наповнюється Чим? | 2 |
| 13. Lung structure. Characteristics of the subject on structure. Gr. StructuresЩо? утворює Що?, Що? оточене Чим? | 2 |
| 14. The digestive system and its functions. Characteristics of the subject by the structure and functions. Gr. Structures: Що? – це Що?, Що? починається Чим?, Що? перетравлює(засвоює, забезпечує) Що?. Degrees of comparison of Adjectives. | 2 |
| 15. Oral cavity. Teeth. Characteristics of the subject at the location, purpose, quantitative composition. Gr. Structures: Що? – це Що? Де?, Що? має(виконує) Що?, Що? розміщене Де?, Що? служить для Чого?, Що призначене для Чого? | 2 |
| 16. Oral cavity and digestive organs in it. Characteristics of the process for each sequence of actions. Gr. Structures: Де? пережовується Що?, Що? перетворюється на Що?, Що? змішується з Чим? | 2 |
| 17. Stomach. Characteristics of the subject in the form and components. Gr. Structures: Що? починається Чим?, Що? включає Що?, Що? закінчується Чим? | 2 |
| 18. Digestion in the stomach. The characteristics of the method of operation and its progress. Gr. Structures: Де? змішується Що?, Що надходить до Чого?, Що? розщеплює Що?, Що? виробляє Що?, Що? накопичується Де? | 2 |
| 19. Kidneys and system secretion. Characteristics of the subject in composition and form. Gr. Structures: Що? складається з Чого?, Що? оточене Чим?, Що? утворює Що?, Що? має форму Чого? | 2 |
| 20. Kidneys and system selection. Characteristics of the subject in location and process steps. Gr. Structures: Що? розміщене Де?, Що одержує Що? через Що?, Що? містить Що?, Що? оточене Чим?, Що? потрапляє Куди? | 2 |
| *Final test control of module 3* | 2 |
| ***Total hours*** | 42 |

**TOPICS LECTURE**

**the Ukrainian language for students of the second course   
 medical phaculty  
                      English Department**

**2012-2013**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **SUBJECT** | **Quantity of hours** | | |
| Med. | Dent. | Pharm. |
| 1. | Place of the Ukrainian language among other Slavic languages. | 2 | 2 | 2 |
| 2. | The notion of literary language. Ukrainian literary language. | 2 | 2 | 2 |
| 3. | Written and oral forms of the Ukrainian language. | 2 | 2 | 2 |
| 4. | Stylistic variations of the Ukrainian language. |  | 2 | 2 |
| 5. | The meaning of word.. Word of concrete and abstract. Polysemy of words in modern Ukrainian. |  | 2 | 2 |
| 6. | Ukrainian language vocabulary. The composition of the modern Ukrainian language in terms of its origin. |  | 2 | 2 |
|  | ***Total*** | 6 | 12 | 12 |

###### Plan of the lectures of human anatomy for the students of medical faculty in 3st semester of 2012/2013 studying year

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **№** |  | **1** | **2** | **3-12** |
| 1 | Functional anatomy of the heart | 10.09 | 03.09 | 13.09 |
| 2 | Greater and lesser circulations. Arteries. Fetal circulation | 24.09 | 17.09 | 27.09 |
| 3 | Venous and lymphatic systems | 08.10 | 01.10 | 11.10 |
| 4 | Peripheral nervous system | 22.10 | 15.10 | 25.10 |
| 5 | Autonomic nervous system. Sympathetic and parasympathetic parts of the autonomic nervous system | 05.11 | 29.10 | 08.11 |
|  |  | **10** | | |

# Plan of the practices of human anatomy for the students medical

# faculty in 3st semester of 2012/2013 studying year

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **№** |  | **1 ;**  **3–4** | **2 ;**  **11 -12** | **5-6 ;**  **9-10** | **7 – 8** |
| **1.** | Aorta. Branches of aortic arc. Common carotid artery. External carotid artery | **06.09** | **03.09** | **05.09** | **07.09** |
| 2. | Internal carotid artery. Subclavian artery | **13.09** | **10.09** | **12.09** | **14.09** |
| 3. | Veins of head and neck. Lymphatic nodes and vessels of head and neck | **20.09** | **17.09** | **19.09** | **21.09** |
| 4. | Blood supply, lymph outflow and nerve supply of organs of head and neck | **27.09** | **24.09** | **26.09** | **28.09** |
| 5. | Summary lesson: “Vessels and lymphatics of head and neck” | **04.10** | **01.10** | **03.10** | **05.10** |
| 6. | The heart (I): Topography. Chambers of the heart. Systemic and pulmonary circulation | **11.10** | **08.10** | **10.10** | **12.10** |
| 7. | The heart (II): Structure of the cardiac wall. Conducting system of the heart. Pericardium. Vascularization and innervation of the heart.Summary lesson: “The heart” | **18.10** | **15.10** | **17.10** | **19.10** |
| 8. | Aorta. Arteries of the thoracic and abdominal cavities. Arteries of the pelvis | **25.10** | **22.10** | **24.10** | **26.10** |
| 9. | Veins of the thoracic cavity. Vena azygos and vena hemiazygos. Vena porta, vena cava inferior and veins of pelvic cavity. Porto-caval and caval-caval venous shunts. Lymphatics of thoracic, abdominal cavities and pelvic cavities. | **01.11** | **29.10** | **31.10** | **02.11** |
| 10 | Sympathetic part of the autonomic nervous system. Parasympathetic part of the autonomic nervous system. Autonomic plexuses of the thoracic, abdominal and pelvic cavities | **08.11** | **05.11** | **07.11** | **09.11** |
| 11 | Summary lesson: “Blood and nerve supply and of the thoracic, abdominal and pelvic cavities” | **15.11** | **12.11** | **14.11** | **16.11** |
| 12 | Vessels of upper limb | **22.11** | **19.11** | **21.11** | **23.11** |
| 13 | Plexus brachialis | **29.11** | **26.11** | **28.11** | **30.11** |
| 14 | Vessels of lower limb | **06.12** | **03.12** | **05.12** | **07.12** |
| 15 | Plexus lumbalis. Plexus sacralis and coccygeus | **13.12** | **10.12** | **12.12** | **14.12** |
| 16 | **Summary lesson**: “Arteries, veins, nerves, lymphatic vessels and nodes of the upper and lower limbs” | **20.12** | **17.12** | **19.12** | **21.12** |
| 17 | Total check of module 4“Peripheral nervous system and cardiovascular system” | **27.12** | **24.12** | **26.12** | **28.12** |
|  |  | **50** |

**HISTOLOGY LECTURE SCHEDULE**

**for Foreign Students, Faculty of General Medicine,**

**2nd year, Autumn semester. Academic year 2012-2013.**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **#** | **Topic of the lecture** | **Date** | | |
|  |  | **1 gr.** | **2 gr.** | **3-12 gr.** |
| **1.** | Cardio-vascular system | 05.09 | 10.09 | 06.09 |
| **2.** | Immune organs | 19.09 | 24.09 | 20.09 |
| **3.** | Endocrine system. | 03.10 | 08.10 | 04.10 |
| **4.** | Digestive system – general characteristics. Oral cavity. Salivary glands, Teeth. | 17.10 | 22.10 | 18.10 |
| **5.** | Esophagus, Stomach, Small and Large Intestine. | 31.10 | 05.11 | 01.11 |
| **6.** | Glands, associated with Digestive Tract. | 15.11 | 19.11 | 15.11 |
| **7.** | Respiratory system. | 28.12 | 03.12 | 29.11 |
| **8.** | Urinary system. | 12.12 | 17.12 | 13.12 |
| **9.** | Male Reproductive system. | 26.12٭ | 28.12٭ | 27.12٭ |
| **10.** | Female Reproductive system. | 23.01٭ | 14.01٭ | 18.01٭ |

**HISTOLOGY LAB SCHEDULE**

**for Foreign Students, Faculty of General Medicine, 2nd year,**

**Autumn semester, Academic year 2012-2013.**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **#** | **Topic of the lab lesson** | **Group/Date** | | | |
|  | **Module 2, 2nd semester** | **1 ukr., 3,4,12eng.** | **2 rus.,**  **7,8,11eng** | **5,6 eng.** | **9,10eng** |
| **1.** | Cardio-vascular system. | 03.09 | 05.09 | 06.09 | 07.09 |
| **2.** | Immune organs. | 10.09 | 12.09 | 13.09 | 14.09 |
| **3.** | Endocrine system (central organs) | 17.09 | 19.09 | 20.09 | 21.09 |
| **4.** | Endocrine system (peripheral organs) | 24.09 | 26.09 | 27.09 | 28.09 |
| **5.** | Control of slides and electron micrographs of passed topics. | 01.10 | 03.10 | 04.10 | 05.10 |
| **6.** | Digestive system. General characteristics. Embryonic development. Oral Cavity. | 08.10 | 10.10 | 11.10 | 12.10 |
| **7.** | Teeth, their structure and development. Age-related changes. | 15.10 | 17.10 | 18.10 | 19.10 |
| **8.** | Morphofunctional characteristics of Pharynx, Esophagus and Stomach. | 22.10 | 24.10 | 25.10 | 26.10 |
| **9.** | Morphofunctional characteristics of Small and Large Intestine. | 29.10 | 31.10 | 01.11 | 02.11 |
| **10.** | Large Salivary Glands. | 05.11 | 07.11 | 08.11 | 09.11 |
| **11.** | Large Digestive Glands. | 12.11 | 14.11 | 15.11 | 16.11 |
| **12.** | Control of slides and electron micrographs of Digestive system. | 19.11 | 21.11 | 22.11 | 23.11 |
| **13.** | Respiratory system. | 26.11 | 28.11 | 29.11 | 30.11 |
| **14** | Urinary system. | 03.12 | 05.12 | 06.12 | 07.12 |
| **15.** | Male reproductive system. | 10.12 | 12.12 | 13.12 | 14.12 |
| **16.** | Female reproductive system. Structure of Ovary. Oogenesis. Ovarian cycle. | 17.12 | 19.12 | 20.12 | 21.12 |
| **17.** | Female reproductive system. Uterus. Structure and functions of Placenta. | 24.12 | 26.12 | 27.12 | 28.12 |
| **18.** | Control of slides and electron micrographs. | 14.01 | 16.01 | 10.01 | 11.01 |
| **19..** | Control of Practical skills for Final Module 2 (control of slides and electron micrographs). | **16.01**٭ | **18.01**٭ | **17.01** | **18.01** |
| **20..** | **Final Module 2.** | **21.01** | **23.01** | **24.01** | **25.01** |

**HISTOLOGY INDEPENDENT WORK**

**for Foreign Students, Faculty of General Medicine,**

**Autumn semester, Academic year 2012-2013.**

|  |  |  |
| --- | --- | --- |
| **#** | **Topic** | **Amount of hours** |
|  | **Module 2** |  |
| **1.** | Embryonic development of Nervous system. | 3 |
| **2.** | Histophysiology of the Eye. | 3 |
| **3.** | Histophysiology of the Ear. | 3 |
| **4.** | Histophysiology of microcirculatory system. | 4 |
| **5.** | Embryonic hemopoesis. | 3 |
| **6.** | Structural peculiarities and functional meaning of Spleen. | 3 |
| **7.** | Age-related involution of Thymus. | 4 |
| **8.** | Hypothalamo – hypophyseal connections in the regulation processes of endocrine functions of the organism | 4 |
| **9.** | Embryonic development of Digestive system. | 4 |
| **10.** | Connection between structural and functional peculiarities of Oral Cavity. | 3 |
| **11..** | Parietal and cavitary digestion. | 4 |
| **12.** | Correlation between morphology and functional peculiarities of Liver. | 3 |
| **13.** | Air-blood barrier. | 3 |
| **14.** | Endocrine function of Kidney. | 4 |
| **15.** | Spermatogenesis – hormonal regulation. | 3 |
| **16.** | Correlation between ovarian and menstrual cycles. | 4 |
|  | **In total** | **55** |

## Topic’s plan

## of lectures “Human Physiology”

**for 2-nd grade medical students in ІІІ semestr 2012-2013**

|  |  |  |
| --- | --- | --- |
| **№** | Торіс | Lector |
|  | Introduction to physiology. Historical outline of physiology. Methods of physiological investigations. Physiological properties of excitable tissues. Excitability. The measures of the excitability during the excitation. Physiology of nerve fibres. Conduction of nerve impulses. Neuro-muscular transmission. Mechanisms of the muscular contraction. |  |
|  | General principles of biological regulations. Neural control of physiological functions. Neuron – such as morphological and functional unit of CNS. |  |
|  | Exicitation and inhibition in CNS. |  |
|  | Investigation of the role of spinal cord in regulation of motor activity of human body. |  |
|  | Investigation of the role of brain stem in regulation of motor activity of human body. |  |
|  | Descending pathways involved in motor control. Motor control by the cerebral cortex, cerebellum and basal ganglia. |  |
|  | Physiology of the autonomic nervous system. |  |
|  | General principles of endocrine physiology. Hormones, their specific properties. The pituitary gland internal secretion. Control of pituitary secretion, role of hypotalamic function. |  |
|  | The thyroid gland, control of thyroid secretion. Endocrine regulation of calcium and phosporus metabolism. |  |
|  | Physiology of adrenal, medulla and cortex glands. |  |
|  | Physiology of Respiratory system.Main phases of respiration. |  |
|  | Regulation of respiration. |  |
|  | Physiology of Blood system.Physiological properties of cardiac muscle. |  |
|  | Circulation. Physiological properties of the cardial muscle. |  |
| Total – 28 hours | | |

Topic’s plan

of practical classes “Human Physiology”

**for 2-nd grade medical students in III semester 2012/2013**

|  |  |  |  |
| --- | --- | --- | --- |
| **№** | Торіс | **Date** | Hours |
|  | Methods of physiological investigations. Basis of physiological experiments. |  | 3 |
|  | General physiology of excitable tissues. Excitation. |  | 3 |
|  | Physiological properties of nerve fibres. Conduction of nerve impulses. Neuromuscular synapses. |  | 3 |
|  | Physiology of muscles. Types of muscular contraction. Investigation of the mechanisms of muscular contraction. The characteristics of the smooth muscules. |  | 3 |
|  | Quiz “Physiology of excitable tissues, nerves and muscles”. |  | 3 |
|  | Neural regulation of physiological functions: the structural basis of reflex activity, investigation of the reflex arc. |  | 3 |
|  | Investigation of the processes of excitation and inhibition in CNS. |  | 3 |
|  | Investigation of the role of spinal cord and brain stem in regulation of motor activity of human body. |  | 3 |
|  | Investigation of the role of forebrain and cerebellum in regulation of motor activity of human body. |  | 3 |
|  | Quiz “Physiology of neural regulation of visceral functions”. |  | 3 |
|  | Investigation of the mechanisms of neural control of visceral functions. |  | 3 |
|  | Investigation of the mechanisms of humoral regulation of visceral functions. |  | 3 |
|  | Investigation of the role of hormones in regulation of physical, mental and sexual development of organism. |  | 3 |
|  | Investigation of the role of hormones in regulation of homeostasis. |  | 3 |
|  | Quis “Physiology of neural and humoral regulation of visceral functions”. |  | 3 |
|  | **Module I** |  | 3 |
|  | Organization of the Respiratory system.Ventilation and lung mechanizms. Lung volumes and capacities. |  | 3 |
|  | Exchange of gases in alveoli and tissues. Transport of gases in blood. |  | 3 |
|  | Investigation of ventilation and lung mechanics. |  | 3 |
|  | Quiz “Physiology of Respiratory system”. |  | 3 |
| Total – 60 hours | | | |

THEMATIC AND CALENDAR PLAN OF PRACTICAL LESSONS

in biological chemistry for students of **medical** faculty (English medium)

in the III semester, year 2012/2013

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **N** | | Topics of the lesson | **Date** | ***Hours*** |
| ***Module 2: General principles of metabolism*** | | | | |
| 1. | | Control of knowledge initial level. Objectives and assignments of biochemistry. Aims and methods of biochemical investigations, their clinical and diagnostic significance. | 3.09 – 7.09 | ***3*** |
| 2. | | Studies of structure and physico-chemical properties of enzymes. Methods used in detection of enzymes in biological objects. | 10.09–14.09 | ***3*** |
| 3. | | Determination of enzymatic activity, investigation on mechanisms of enzyme action and on kinetics of enzymatic catalysis. | 17.09–21.09 | ***3*** |
| 4 | | Investigation on regulation of enzymatic reactions and mechanisms of enzymopathias appearance. Medical enzymology. | 24.09–28.09 | ***3*** |
| 5. | | Studies on significance of cofactors and coenzymatic vitamins for catalytic activity of enzymes. | 1.10 – 5.10 | ***3*** |
| 6 | | Turnover of material and energy. Study on tricarboxylic acid cycle functioning. | 8.10–12.10 | ***3*** |
| 7. | | Studies on biological oxidation, oxidative phosphorylation and ATP biosynthesis | 15.10–19.10 | ***3*** |
| 8. | | Studies on inhibitors and uncouplers of oxidative phosphorylation. | 22.10–26.10 | ***3*** |
| 9 | | **Summary module control** | **29.10 – 2.11** | ***3*** |
| ***Module 3: Metabolism of carbohydrates, lipids, amino acids and its regulation*** | | | | |
| 1. | Investigation of glycolysis – anaerobic oxidation of carbohydrates. | 5.11–9.11 | ***3*** |
| 2. | Investigation of aerobic oxidation of glucose and alternative pathways of monosaccharides metabolism. | 12.11–16.11 | ***3*** |
| 3. | Studies on biosynthesis and degradation of glycogen. Regulation of glycogen metabolism. Gluconeogenesis as pathway of glucose production. | 19.11–23.11 | ***3*** |
| 4. | Studies on mechanisms of metabolic and humoral regulation of carbohydrate metabolism. Diabetes mellitus. | 26.11–30.11 | ***3*** |
| 5. | Studies on degradation and biosynthesis of triacylglycerols. Intracellular lipolysis and molecular mechanisms of its regulation. | 3.12 – 7.12 | ***3*** |
| 6. | в-Oxidation and biosynthesis of fatty acids. Metabolism of fatty acids and ketone bodies. | 10.12–14.12 | ***3*** |
| 7. | Biosynthesis and biotransformation of cholesterol. Studies on disorders of lipid metabolism: steatorrhea, atherosclerosis, obesity. Transport forms of lipids – lipoproteins of blood plasma. | 17.12–21.12 | ***3*** |
| 8. | Studies on amino acid metabolism (deamination, transamination, decarboxylation). | 24.12–28.12 | ***3*** |
| 9. | Investigation of ammonia detoxification and urea biosynthesis. | 10.01-11.01 | ***3*** |
| 10. | Studies on biosyntyhesis of porphyrins and their accumulation in porphyrias. | 14.01-18.01 | ***3*** |
| 11 | ***Summary module control*** | **21.01–25.01** | ***3*** |
| ***Totally*** | | | ***60*** |

**Chief of the Department of Biochemistry,**

**PhD, MD, Professor Sklyarov A.Ya.**

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### THEMATIC AND CALENDAR PLAN OF LECTURES

in biological chemistry for students of **medical** faculty (English medium),

in the III semester, year 2012/2013

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **N** | **Theme of the lecture** | **Lecturer** | **Date** | ***Hours*** |
| ***Module 2: General principles of metabolism*** | | | | |
| 1 | Biochemistry as a science: biomolecules, metabolic pathways. Enzymes: structure, properties, classification | Sklyarov A.Ya. | 7.09 | ***2*** |
| 2 | Regulation of metabolic processes: regulation of enzyme activity. Cofactors and coenzymes. Coenzyme function of vitamins. | Sklyarov A.Ya. | 21.09 | ***2*** |
| 3 | Bioenergetics: general catabolic pathways of carbohydrates, lipids, amino acids. Tricarboxylic acid cycle. Biological oxidation and oxidative phosphorylation. The chain of electron transport in mitochondria. | Sklyarov A.Ya. | 5.10 | ***2*** |
| ***Module 3: Metabolism of carbohydrates, lipids and its regulation*** | | | | |
| 1 | Metabolism of carbohydrates –1. Glycolysis, aerobic oxidation of glucose; alternative metabolic pathways of monosaccharides . Metabolism of glycogen; gluconeogenesis | Sklyarov A.Ya. | 19.10 | ***2*** |
| 2 | Metabolism of carbohydrates –2. Regulation of carbohydrate metabolism, changes in pathology. Diabetes mellitus. | Sklyarov A.Ya. | 2.11 | ***2*** |
| 3 | Metabolism of lipids –1. Catabolism of triacyl glycerols: oxidation of fatty acids and glycerol; ketogenesis. | Fomenko I.S. | 16.11 | ***2*** |
| 4 | Metabolism of lipids –2. Lipogenesis. Metabolism of cholesterol. Regulation of lipid metabolism, changes in pathology: obesity, atherosclerosis | Fomenko I.S. | 30.11 | ***2*** |
| 5 | Metabolism of amino acids-1. General pathways of amino acid turnover. Metabolism of ammonia: urea synthesis and its disorders. | Fomenko I.S. | 14.12 | ***2*** |
| 6 | Metabolism of amino acids-2. Special metabolic pathways of distinct amino acids. Hereditary enzymopathias. Metabolism of porphyrins. | Fomenko I.S. | 28.12 | ***2*** |
| ***Module 4: Molecular biology. Biochemistry of intercellular communications*** | | | | |
| 1 | Biosynthesis and degradation of purine and pyrimidine nucleotides. Biosynthesis of nucleic acids: DNA replication, transcription of RNA. | Klymyshyn D.O. | 18.01 | ***2*** |
| ***Totally*** | | | | ***20*** |

PROGRAM AND DISTRIBUTION OF HOURS oN subject

“Medicine of extraordinary situations”

for IInd-course foreign students of medical faculty (2012-2013 years of study)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **Theme** |  |  | **Self-study** | **Practice** |
| **Thematic module 1. Civil defense as system of prevention and liquidation of consequences of extraordinary situations** | | | | | |
| 1. | Organization of defense of population and territories in case of extraordinary situations of peaceful and military time |  |  | 2 | 2 |
| 2. | Extraordinary situations of natural, technological and socio-political character, their medically-sanitary consequences. |  |  | 4 | 4 |
| 3. | Failures are on radiation-dangerous objects, their medical-sanitary consequences. |  |  | 2 | 2 |
| 4. | Failures are on chemical-dangerous objects, their medically-sanitary consequences. |  |  | 2 | 2 |
| 5. | First medical aid to victims at extraordinary situations. |  |  | 6 | 6 |
| **Thematic module 2. Organization of the medical providing of population in the condition of extraordinary situations.** | | | | | |
| 6. | Law basement of State service of medicine of catastrophes. |  |  | 2 | 2 |
| 7. | Organization of the therapeutically-evacuational providing of population in cases of extraordinary situations. |  |  | 4 | 4 |
| 8. | Organization of the sanitary-hygienic and antiepidemic providing of population during extraordinary situations. |  |  | 4 | 4 |
| 9. | Informative providing, planning of work and medical supply of establishments of State service of medicine of catastrophes. |  |  | 2 | 2 |
| 10. | Final module control of mastering the module of “Medicine of extraordinary situations”. |  |  | 2 | 2 |
|  | **Totally** |  |  | **30** | **30** |

PROGRAM AND DISTRIBUTION OF HOURS ON SUBJECT

“Safety of life activity. Basics of work protection”

for IInd-course foreign students of medical faculty (2012-2013 years of study)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **№** | **Theme** | **Lectures** | **Practical** | **Independent work** |
|  | **Section 1.**  ***Safety of life activity of man in contemporary conditions*** | | | |
| **1.** | Theoretical bases of safety of life activity | 2 |  | 4 |
| **2.** | A human in the system „human-environment” |  | 2 | 4 |
| **3.** | A value of external environment in the system „human-environment” |  | 2 | 4 |
| **4.** | Providing of safety of life activity of human | 2 | 2 | 4 |
| **5.** | Safety of feed as constituent of safety of life activity of man |  | 2 | 4 |
| **6.** | ***All for a section 1*** | ***4*** | ***8*** | ***20*** |
|  | **Section 2.**  ***Bases of work protection of medical workers.*** | | | |
| **7.** | Legal and organizational questions of work protection of medical workers | 2 |  | 6 |
| **8.** | Professional harmfulness at implementation of professional duties of doctor |  | 2 | 4 |
| **9.** | Dangerous infectious diseases in practice of medical worker |  | 2 | 4 |
| **10.** | ***All for a section 2*** | ***2*** | ***4*** | ***14*** |
| **11.** | ***Test*** |  | ***2*** | ***6*** |
| **12.** | **Totally for discipline** | **6** | **14** | **40** |