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| **General information** |
| Name of University : Khmelnytsky National University  Education :Bachelor physical therapy, occupational therapy  Name of the course : **Normal physiology of human**  ECTS :5 Language : Ukrainian  Study time lessons :60 Study time students :90  Place of the course in the education (year & semester) : year 1, semester 2  Lector(s) : Vitaliy Kabashniuk |
| **Compentences / learning outcomes & goals** |
| GC 01. Knowledge and understanding of the subject area and understanding of the profession.  GC 09. Skills in the use of information and communication technologies.  GC 10. Ability to search for, process and analyse information from a variety of sources.  GC 11. Ability to learn and master modern knowledge.   * PLR 01. Apply basic knowledge of the subject area in practice and demonstrate an understanding of the occupational therapy profession. * PLR 02. Possess interpersonal skills with service users, interdisciplinary team specialists and other professionals, adhering to ethical rules and professional code of conduct for occupational therapists, creatively searching for and making the best decisions in collaboration with the team and patient / client. * PLR 03. Use information and communication technologies to search, process and analyze information from various sources for the purpose of learning and mastering new skills. * PLR 04. To be proficient in the state language in oral and written communication, to know a foreign language in order to adopt international experience in the field of professional activity. |
| **Learning activities** |
| **Content of the course : describe + content table** |
| **Content of the course :**  The body and its basic physiological functions. Muscle contraction mechanism. Mechanics of muscle contraction. The role of the CNS in the regulation of motor functions The role of the brain in the regulation of motor functions. The value of the autonomic nervous system for motor activity. The role of endocrine glands in the regulation of body functions. Functions and physicochemical properties of blood. Hemopoiesis and its regulation. The heart and its physiological properties. Bioelectric phenomena in the heart. Performance of the heart. Regulation of cardiac activity. Movement of blood along the vessel. Mechanisms of regulation of hemodynamics. Biomechanics of external respiration. Stages of gas transfer in the respiratory system. Respiratory regulation. The physiology of the digestive system.  Physiology of metabolism, energy metabolism and thermoregulation. Physiology of auditory and vestibular analyzers. Physiology of higher nervous activity. |
| **Study material** Book – Syllabus – Textbook – Notes - Online material – Other (+specify) |
| 1. Bar-Or O. Motor activity and children's health from physiological bases to practical recommendations / O. Bar-Or, T. Rowland. - K .: Olymp. L-ra, 2009. - 530 p.  2. Kucherov IS Human and Animal Physiology: K .: Higher School, 1991. - 237s.  3. Normal physiology / Qty. authors; Edited VI Filimonov. - K .: Health, 1994. - 608 p.  4. Physiology of wellness running. / Furman Yu.M. - K .: Health, 1994 - 208p.  5. Fomin NA Human Physiology: Textbook. student manual fac. Phys. education ped. inst. - M .: Enlightenment, 1982. - 320s.  6.Modular modular learning environment. Access to the resource: https://msn.khnu.km.ua.  7. Electronic University Library. Access to the resource: http://library.khnu.km.ua. |
| **Educational methods** Lecture – Excursion – group work – Other (+specify) |
| verbal (story, conversation, explanation); visual (demonstration of slides, demonstration of practical methods of determining the motor activity of different segments of the population). |
| **Evaluation** |
| **Moment of evaluation**  **Evaluation form**   * Written exam, Oral exam, Practical exam/demonstration * Task, Portfolio, Permanent evaluation * Other   **Second chance?** |
| Written exam |