1. **Module:** Physiology of high ernervousactivity
2. **Module code:** БМН\_6\_3.1.10\_3,0
3. **Module type:** normative
4. **Term:** 5
5. **Modulevolume:**generallessonsquantity – 90 (ECTScredits – 3), auditorium lessons – 42 (lectures – 18, labs – 24)
6. **Lecturer:** SobolenkoLyubovYulianivna – Candidate of biological sciences.
7. **Training results:**

During module studying students **should:**

**know:**basicresearchstructuremethodsandfunctionsorganism; methodologicalbasesofmodernphysiologyofhighernervousactivity; psychicalfunctionsneurophysiologicalmechanisms;highernervousactivityevolution; specificfeaturesofhighernervousactivityofman;

**Tobe able:**toapplyknowledgesduringeducationalandeducateworkorganizationandteachingofdisciplinesofnaturalcycle; toownthemethodsofsimpleexperimentalresearchesinphysiologyofHNA branch, tocarryoutthedifferentiatedapproachinthedecisionofpedagogicalandeducational and educatetasksdependingontheindividualfeaturesoforganism.

1. **Trainingway:**auditoriumlessons
2. **Compulsorypreviousandsimultaneousmodules::**anatomyofman, physiologyofmanandanimal.
3. **Module content:** Subject, task, methods, basicstagesofphysiologyofhighernervousactivitydevelopment. Innateformsofactivityoforganism. Mechanismofformationofconditionalreflexes. Conditionalreflexesactivity dynamics. Memoryanditsmechanisms. Evolutionofhighernervousactivity. Specificfeaturesofhighernervousactivityofman. Developmentofhighernervousactivityinontogenesis. Physiologymechanismsofpsychicalactivityofman.

**11. Recommended literature:**

1.Чайченко Г.М. Фізіологія вищої нервової діяльності: Підручник. – К.: Либідь, 1993. – 218 с.

2. Чайченко Г.М., Харченко П.Д. Физиология высшей нервной деятельности: Учебник. – К.: Вища школа, 1981. – 296 с.

3. Харченко П.Д., Чайченко Г.М. Фізіологія вищої нервової діяльності: Підручник. – К.: Вища школа, 1977. – 390 с.

4. Батуев А.С. Высшая нервная деятельность: Учебник для вузов. – СПб.: Лань, 2002. – 416 с.

5. Смирнов В.М., Будылина С.М. Физиология сенсорных систем и высшая нервная деятельность: Учебное пособие. – М.: Академия, 2003. – 304 с

**12. Trainingformsandmethods:** lectures, laboratory classes, individual training

research work, individual work

**13. Evaluative methods and criteria:**

Current control (70 %): oral questioning, individual work

Total control (30 %, exam): testing, control work

**14. Language:** Ukrainia