# DANYLO HALYTSKY LVIV NATIONAL MEDICAL UNIVERSITY DEPARTMENT OF NEUROLOGY

The first deputy vice-rector

Hon scientific and pedagogical work

of the Lviv National

Medical University.

named after Danylo Halytsky,

Assoc. Prof. I.Solonynko

"J" Gwenter 2023

#### EDUCATIONAL WORKING PROGRAM FOR THE FREE ELECTIVE COURSE

#### BASICS OF REFLEXOTHERAPY BE 1.52

4 years of study

training of specialists of the second level of higher education (master of medicine) field of knowledge 22 "Health" specialty 222 "Medicine"

Discussed and approved at a meeting of the Department of neurology, protocol No.

Head of the Department of

neurology

prof. T. Nehry

Approved by the profile methodical commission on therapeutic disciplines protocol No 5000 and 1000 are the protocol No 5000 and 1000 are the protocol No 5000 and 1000 are the profile methodical commission on the profile method of the pro

"12" CHOTEL 2023 Chairman of the profile methodical

commission

prof. O.Radchenko

This curriculum in "Fundamentals of Reflexology" (course of choice) training of specialists of the second (Master's) level of higher education for year IV students of the School of Medicine, field of knowledge 22 ("Health Care") specialty 222 ("Medicine") was compiled by Doctor of Medical Science, Professor. Nehrych T.I., Ph.D., Assoc. Korol G.M., and adapted assoc. Malyarska N.V.

The program was discussed and approved at a meeting of the Department of Neurology on 29.10.2019 (protocol No. 8) and at a meeting of the specialized methodological commission on therapeutic disciplines on 14.11.2019 (protocol No. 2).

Reviewers:

The Head of Department of Internal Medicine No. 2 - Prof. Radchenko O.M., MD and Ph.D., Assoc. prof. Filipyuk A.L.

The following changes and additions were made to the Curriculum of "Fundamentals of Reflexology" (course of choice) for training specialists of the second (Masters) level of higher education for year IV students of the School of Medicine, field of knowledge 22 ("Health Protection") specialty 222 ("Medicine") for the 2019-2020 academic year.

No.5	Contents of changes (additions)	Date and Protocol No. meeting of the department	Note
1.	The list has been changed and supplemented Basic Literature	29.10.2019 minutes #8	
2.	The list has been changed and supplemented Additional literature	29.10.2019 minutes #8	

Head of the Department of Neurology

Professor T.I. Nehrych, Sc.D., MD

No changes or additions were made to the Curriculum of "Fundamentals of Reflexology" (course of choice) for the 2020-2021 academic year.

Head of the Department of Neurology

Professor T.I. Nehrych, Sc.D., MD

No changes or additions were made to the Curriculum of "Fundamentals of Reflexology" (course of choice) for the 2021-2022 academic year.

Head of the Department of Neurology

Professor T.I. Nehrych, Sc.D., MD

No.5	Contents of changes (additions)	Date and Protocol No. meeting of the department	Note
1.	The list has been changed and supplemented Basic Literature	28.08.2022 minutes #1	
2.	The list has been changed and supplemented Additional literature	28.08.2022 minutes #1	

Head of the Department of Neurology

Professor T.I. Nehrych, Sc.D., MD

No changes or additions were made to the Curriculum of "Fundamentals of Reflexology" (course of choice) for the 2023-2024 academic year.

Head of the Department of Neurology

Professor T.I. Nehrych, Sc.D., MD

#### INTRODUCTION

**Work program for the subject "Basics of reflexotherapy"** (optional course) for training of specialists of the second (master's) level of higher education for IV year students of medical faculty, branch of knowledge 22 "Health care" specialty 222 "Medicine". Description of the subject "Basics of Reflexotherapy" (optional course) for medical students:

According to the curriculum the study of the basics of reflexotherapy is carried out in the 4th year of study. The elective course program contains the main sections of modern reflexotherapy and is designed for 20 classroom hours (practical classes) and 40 hours of independent work of student. 60 academic hours are provided for this subject, which, according to the norms of the Ministry of Health of Ukraine, corresponds to 2.0 credits, which are divided as follows:

Description of the curriculum for the discipline

Basics of Reflexotherapy (optional course) for medical students.

Structure of the subject	Nu	mber of hou	rs, of them		Year of education	Type of control
	Total hours / credits	Clas	sroom	IWS (hours)		
		Lectures (hours)	Pract. sessions (hours)			
	60/2,0	0	26	34	4	

**The subject of study** is the theory of unconventional methods of healing, technology of conducting and the content of lessons on non-traditional methods of healing.

**Interdisciplinary Relations:** Reflexotherapy is based on the study of human anatomy, medical biology, medical chemistry, medical and biological physics, physiology, pathophysiology, hygiene and ecology, pharmacology, propedeutics of internal medicine, neuropsychology and cytology by students and integrates with these disciplines.

- **1.1 The goal** is to provide students with a holistic view of basic theoretical and methodological aspects of reflexotherapy, as well as to acquire practical skills in using it in clinical settings. 1.2.Task:
  - to teach students the general principles of reflexotherapy in diseases of the internal organs;
  - to reveal practical aspects of reflexotherapy, ways and methods of using its achievements in clinical practice.
- **1.3 Competences and learning outcomes** facilitated by discipline (relationship with the normative content of higher education applicants' training, formulated in terms of higher education outcomes). In accordance with the requirements of the Higher Education Standard, the discipline provides students with competencies:
  - integral:

The ability to solve typical and complex specialized tasks and practical problems in the learning process, which involves research and / or innovation and is characterized by complexity.

Specification of competencies according to the NRC descriptors in the form of the Competence Matrix.

Specification of competencies according to the NRC descriptors in the form of the Competence Matrix.

**Competence Matrix** 

		<u> </u>	ompetence man is	-	
№	Competence	Knowledge	Skill	Communication	Autonomy and responsibility
	General competence				
1.	Ability to apply	Have	Be able to solve	Clear and	Responsible for
	knowledge of the	specialized	complex	unambiguous	decision-making
	basics of	conceptual	problems and	communicatio n of	under difficult
	reflexotherapy in	knowledge	problems that	their own	circumstances.

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	practical situations.	acquired in the learning process.	arise in professional activity.	conclusions, knowledge and explanations, which substantiate them to specialists and non- specialists.	
2.	Ability to choose communication strategy; ability to work in a team; interpersonal skills. behavior.	Know the tactics and strategies of communicatio n, the rules and methods of communicative behavior.	Be able to choose ways and strategies of communication to ensure effective teamwork. responsible for the choice and tactics of the communication method.	Use communication strategies and interpersonal skills.	Be responsible for the choice and tactics of the communication method.
3.	Skills of using information and communication technologies.	Have profound knowledge in the field of information and communication technologies used in professional activities.	Be able to use information and communication technologies in the professional field that needs updating and integration of knowledge.	Use information and communication technologies in professional activities.	Responsible for the development of professional knowledge and skills.
4.	The ability to abstract thinking, analyze and synthesis, ability to learn and be modernly oriented.	Know how to analyze, synthesize and further modern learning.	Be able to analyze information, make informed decisions, be able to acquire modern knowledge.	Establish appropriate relationships to achieve the objectives.	Be liable for timely acquisition of modern knowledge
5.	Ability to assess and ensure the quality of work performed.	Know the methods of evaluating performance quality.	Be able to provide qualitative work.	Establish connections to ensure quality work.	Be responsible for the qualitative performance of works.

### Special (Professional, subject) competence

1.	Ability to assess data	Know the	Be able to	Use standard	Understanding the
	of functional anatomy	anatomy and	conduct	approaches to	importance of
	and clinical	the function of	research of	assessing the	careful and proper
	physiology of	the autonomic	vegetative tone,	autonomic nervous	study of the
	autonomic human	nervous	vegetative	system function.	autonomic nervous
	nervous system.	system.	reactivity of the		system in future
			patient.		professional
					activities.
2.	Gathering history,	To know the	Be able to	Comply with the	Responsible for
	medical	algorithm of	conduct	requirements of	the qualitative
	information about the	survey of the	inquiring and	ethics, bioethics and	performance of the
	patient's condition.	patient with	highlight the	deontology in their	tasks.

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		neurological	main	professional	
		pathology and	complaints,	activities.	
		pathology of	assess the		
		internal	patient's		
		organs.	general		
_			condition.		
3.	Ability to use	Know the	The skills of	Folowing ethical	Feeling of
	unconventional	basic symtoms	reflex	and legal norms.	responsibility for
	methods of health	and syndromes	diagnostics and		correctness and
	improvement in	of diseases of	reflexion-		timeliness of of
	neurological diseases	the internal	diagnostics.		reflexotherapy.
	and somatic	organs and			
	pathology.	nervous			
		system.			
4.	Ability to conduct	Know the	Be able to	Ability to conduct	Carry out
	medical and	principles of	conduct	preventive,	responsibility for
	preventive	conducting	scientific and	educational work in	the effectiveness
	conversations.	scientific and	educational	the conditions of	of educational and
		educational	work in the	neurological	preventive
		work in the	conditions of	hospital.	activities.
		conditions of	neurological	•	
		hospital.	hospital.		
5.	Maintenance of	Know the rules	Be able to fill	Establish	Responsible for
	medical records.	and standards	and maintain	interpersonal	quality completion
		of medical	medical	relationships for	and maintenance
		documentation	documentation	effective medical	of medical
			of the patient	records.	documentation.
			using standard		
			technology		
			based on		
			normative		
			documents.		
6.	Processing of State,	Know the	Be able to	Use standard	Responsible for
	social and medical	methods of	analyse and	approaches to	the study of state,
	information.	processing the	assess state,	information	social, medical
		state, social,	social and	assessment, use	information.
		medical	medical	computer	
		information.	information.	information	
		inioiniation.	imornianon.	technologies.	
				icennologies.	

#### Learning outcomes:

**Students should know:** The basics of reflexotherapy, properties of acupuncture points, basic components of puncture reflexotherapy (reception, place and time of stimulation), key concepts of chiropractics reflexotherapy;

- > Demonstrate knowledge about systematization and reflexotherapy;
- Analyze acupuncture areas in the aspect of their reflextherapeutic effects, in particular acupuncture analgesia;
- ➤ Use basic rules of selection and puncture and chiropractics reflexotherapy in clinical practice.

#### Be able to:

- Analyze clinical manifestations of the disease and form the algorithm of reflexotherapy application (puncture and manual);
- ➤ To demonstrate possession of simple methods of reflexotherapy (acupressure and segmental massage, termorefleksotherapy, postisometric relaxation of muscles, etc.);
- > Substantiate optimum parameters of electrostimulation for percutaneous electroneurostimulation and Electromyostimulation;
- Determine the peculiarities of the use of reflexotherapy methods in various medical situations (first aid, treatment, rehabilitation, prevention).

**Learning outcomes for Discipline:** isolate and identify leading clinical symptoms; According to standard techniques, using previous data of the patient's history, examination of the patient, knowledge about the person, its organs and systems, to establish a probable cerebral syndromes preliminary clinical diagnosis. To form the algorithm of reflexotherapy application (puncture and manual); Massage, Termorefleksotherapy, postisometric relaxation of muscles, etc.

#### 1. Information volume of academic discipline

➤ Organization of educational process is carried out on credit transfer system. According to the curriculum of training of specialists, to study the discipline "Basics of Reflexotherapy" 2.0 credits (60 hours), 20 hours from which the classroom training (in the form of practical classes-20 hours) and 40 hours-independent work. The volume of the training load of students is described in the ECTS-credits, which are admitted to the students when they successfully assimilate their respective test credits. The discipline is structured into 2 sections:

Section 1. Basic Reflexotherapy.

Section 2: Special reflexotherapy.

#### ➤ Topics::

Theme 1. Definition of reflexotherapy, its role and place in modern medicine

Theme 2. The main components of puncture reflexotherapy: Place of action, reception and Moment of action

Theme 3. Acupressure. Local Barotherapy Theme 4. Surface Multineedle Acupuncture Theme 5. termorefleksotherapy

Theme 6. Electroreflexotherapy: percutaneous electroneurostimulation (PENES), electromyostimulation, laser

Theme 7. Reflex diagnostics. Microacupuncture systems. The combination of acupuncture zones.

Theme 8. General rules of manual reflexotherapy. Optimization of static-dynamic loads on the vertebral column and joints.

Theme 9. Myofascial pain syndrome. Manual methods of muscular correction. Principles of Reflex Anesthesia

Theme 10. Peculiarities of reflexotherapy in medical practice.

#### 3. PROGRAM CONTENT

#### Unit 1: "General reflexotherapy"

**Specific goals:** To assimilate the definition of reflexotherapy, properties of acupuncture points, the main components of puncture reflexotherapy (reception, place and time of stimulation), key concepts of chiropractics reflexotheraphy

- Demonstrate knowledge on systematization and reflex diagnostics.
- Analyze acupuncture zones in terms of their reflextherapeutic effects, in particular acupuncture analgesia.
- To use basic rules of selection and puncture and manual reflexotherapy in clinical practice.

**Theme 1. Definition of reflexotherapy**, its role and place in modern medicine. Sanogenic processes, their constituent parts (restitution, regeneration, compensation, activity of the immune system, microcirculation). The concept of methods of complementary (Amplireinforcing, supplementing) medicine. Specificity of puncture reflexotherapy (PRT), Determination of acupuncture points (AP), scheme of reactions to acupuncture. Basic mechanisms of influence of acupuncture therapy. Key indications for the use of PRT.

Theme 2. The main components of puncture reflexotherapy are: the place of action, reception and moment of action. Three main components of PRT: Place of action, Reception of Action (quantitative and qualitative signs), moment of action (time parameters and consideration of activity of organs and systems). Properties AP. Acupuncture layers. Ways to search AP. Using the meridian system. AP general action and their functional significance. General principles of dosing of irritation in the PRT. General contraindications for the PRT are segmental AP (therapeutic AP, Shu-points) and their functional significance.

Theme 3. Definition of reflex diagnostics and its systematization (local, segmental, meridian, microacupuncture). Organization of the autonomic nervous system. Clinical assessment of vegetative manifestations orientation. Study of vegetative tone, vegetative reactivity and vegetative support. Visceralsensory phenomenon (Zakhar'in-ged zone).

Theme 4. Modern ideas about Microacupuncture systems (MAS) and their properties. Auricular MAS, systematics of its acupuncture zones. Principles of choice and combining AP in PRT. Corporate points of general action, segmental and local, possibilities of their combination with microacupuncture points. Formation of optimal compositions AP depending on the functional disorders of patients of different profiles.

**Theme 5. Principles of reflex anesthesia.** The incept of a nociceptive and antinociceptive system. Endogenic Opioid (localization, functions, peculiarities of action). Reflexotherapy as a means of first medical aid. Reflexotherapy in complex measures in case of pain syndromes. Anti pain parameters of acupuncture zones stimulation. Method of Acupuncture analgesia.

## Unit 2: "Special reflexotherapy" Specific goals:

- Analyze clinical manifestations of the disease and form the algorithm of reflexotherapy application (puncture and manual).
- Demonstrate the possession of methods of reflexotherapy (acupressure and segmental massage, termorefleksoterapia, possosometric relaxation of muscles, etc.).
- To substantiate the optimum parameters of electrostimulation for percutaneous electroneurostimulation and Electromyostimulation.
- To determine the peculiarities of the use of reflexotherapy methods in various medical situations (first aid, treatment, rehabilitation, prevention).

Theme 6. General rules of Chiropractics. Acupressure. Local barotherapy. Manual therapy and scope of its application, types of biomechanical disorders. Therapeutic effects of chiropractics. Features manual diagnostics, the concept of anatomical and functional barriers. The most important methods of manual therapy. Determination of acupressure and its types. Mechanisms of therapeutic action of acupressure. Advantages and limitations of acupressure. Acupressure methods. A simple finger rubbing. PA that most commonly used for acupressure. Local barotherapy, its therapeutic effects and methods of application. Theme 7. Surface Multi-needle acupuncture.

**Termoreflexotherapy.** Surface Multi-needle Acupuncture (SMA), types, mechanisms of therapeutic action, indications and contraindications. Methods of conducting SMA. Dosing of irritation at SMA. Stimulation zone in the SMA. Thermal therapeutic factors in reflexotherapy. Temperature sensitivity, heat and cold termoreactions, therapeutic effects of termorefleksotherapy. Methods of thermopuncture. General indications for its application. Local cryotherapy.

Theme8. Electroreflexotherapy: percutaneous electroneurostimulation (PENS). Electrical myostimulation. Laser therapy.

Electrotherapeutic factors in Reflexotherapy. The mechanism of Pain relief Action of PENS: scheme of the gate Pain control, classification of nerve fibers. Methodology for conducting the PENS.

Electromyostimulation, its therapeutic effects and methods of application. Laser therapy and Laserpuncture: Mechanisms of therapeutic action, methodology of conducting, indications for use.

Theme 9. Myofascial pain syndrome. Manual methods of muscular correction.

Manual study of the muscles condition. Myofascial trigger points and methods of their inactivation. Postisometric relaxation of muscles. Prevention of biomechanical disorders of spine and joints. Algorithm of application of manual therapy. Structural and functional features of the joints, spinal column and their consideration in manual therapy. Radiodiagnostic signs of osteochondrosis of the spinal column.

#### 4. THEMATIC PLAN OF PRACTICAL CLASSES

		Кількість
№	Тема	годин
1.	Definition of reflexotherapy, its role and place in modern medicine.	2
2.	The main components of puncture reflexotherapy are: the place of action, reception and moment of action.	3
3.	Reflexotherapy. Organization of the autonomic nervous system.	2
4.	Microacupuncture systems. Of acupuncture zones.	3
5.	Principles of reflex anesthesia.	2
6.	General rules of chiropractics. Acupressure. Local barotherapy.	3

7.	Surface multineedle acupuncture. Termorefleksotherapy.	2
8.	Electroreflexotherapy: percutaneous electroneurostimulation (CENS). Electrical myostimulation. Laser therapy.	3
9.	Myofascial pain syndrome. Manual methods of muscular correction.	2
10.	Final lesson.	2
	Total:	26

#### 5. INDICATIVE PLAN OF INDEPENDENT WORK OF STUDENTS (IWS)

№	Theme	Number of hours	Type of control
1	Definition of reflexotherapy, its role and place in modern medicine	2	Поточний контроль під час практичних занять
2	Acupressure. Local Barotherapy	4	;; ;; _
3	Electroreflexotherapy: percutaneous electroneurostimulation (CENS), electromyostimulation, laser	4	·,· ,· -
4	Reflexotherapy. Microacupuncture systems. Acupuncture zones connections.	4	,, ,, _
5	General rules of Chiropractics. Algorithm of application of manual therapy.	4	,, ,, _
6	Thermal therapeutic factors in reflexotherapy.	2	,, ,, _
7	Principles of reflex anesthesia.	4	,, ,, _
8	Myofascial pain syndrome.	4	,, ,, _
9	Optimization of statico-dynamic loads on the vertebral column and joints.	4	,, ,, _
10	Preparation for practical training- theoretical preparation and mastering of practical skills.	4	·,· ·,· · · · · · · · · · · · · · · · ·
11	Individual IWS. Independent study of topics that are not part of the audit plan: Reflexotherapy in Pediatrics. Vegetative dysfunction.	2	·, ·, ·, ·
12	Preparation for the final lesson.	2	Final control
	Total:	34	

#### 6. Individual tasks.

Individual tasks are performed by students independently under the guidance of teachers. The purpose of individual educational-research task-an independent study of the program material, systematization, deepening, generalization and practical application of the student's knowledge of the training course, the development of independent work skills. The individual task has a title page, the content of individual task, theoretical and practical components, conclusion, the list of used literature. Disclosing an individual task should have practical direction, a connection with a specific object of activity in the field of medicine or pharmacy.

#### 7. Teaching methods.

The types of training activities of students according to the educational plan are: a) practical classes, B) independent work of students (IWS). Practical classes provide for: 1) study by students of somatic and neurological status of healthy person; 2) Study status students in various diseases of the nervous system; Detection of symptoms and syndromes; 3) Resolution of clinical diagnosis; Reflexotherapy;

4) Solving situational tasks, tasks on the type of the license exam "STEP- 2".

#### 8. Methods of Control.

**Current control** is carried out at each practical lesson according to the specific objectives of the topic, during the individual work of the teacher with the student for those topics that the student processes independently and they are not included in the structure of the practical lesson.

It is recommended to use the following tools to evaluate student preparation: computer tests; solving situational tasks - typical and atypical; structured writing; the procedure for the control of practical skills and competences (assessment of knowledge and ability to analyze

and interpret macro- and microscopic changes of cells, tissues, organs and systems in certain pathological processes).

**Evaluation of current educational activity:** When mastering each topic of the module for the current educational activity of the student grades are given on 4-point traditional scale.

**Evaluation of independent work:** evaluation of independent work of students, which is provided in the subject along with the classroom work, is carried out during the current control of the topic in the appropriate classroom.

Final control form According to curriculum (credit) Criteria for evaluating the student's current educational activity:

**Excellent ("5")** - The student correctly, clearly, logically and completely answers all standardized questions of the current topic, including the questions of the lecture course and independent work. Closely binds theory to practice and correctly demonstrates the implementation (knowledge) of practical skills. Freely reads results of analysis, solves situational tasks of increased complexity, is able to generalize material, know methods of patients examination to the extent necessary for the doctor's activity. Completed the scheduled individual work.

Good ("4") - The student correctly and essentially answers the standardized questions of the current topic, including the questions of the lecture course and independent work. Demonstrates the implementation (knowledge) of practical skills. Correctly uses theoretical knowledge to solve practical tasks. Able to solve light and medium complexity situational tasks. Possesses the necessary practical skills and techniques of their execution in the amount exceeding the required minimum.

**Satisfactory** ("3") - Student incompletely, with the help of additional questions, answers standardized questions of the current topic, lecture course and independent work. Can not independently build a clear, logical answer. The student makes mistakes while answering and demonstrating practical skills. The student solves only the easiest tasks, knows only the required minimum of methods of study.

**Unsatisfactory** ("2") - The student does not know the material of the current topic, can not construct a logical answer, does not answer additional questions, does not understand the content of the material. The student makes significant, gross mistakes when answering and demonstrating practical skills.

Evaluation of independent work: Evaluation of independent work of students, which is provided in the subject along with the classroom work, is carried out during the current control of the topic at the appropriate classroom lesson.

Evaluation of topics that are presented only for independent work and are not included in the topics of classroom lessons, is held at the final session.

**11. Final control:** Final control is carried out upon completion of the study of all topics in the subject. **Semester credit** -a form of final control, is to assess the student's learning material from discipline solely on the basis of the results of all types of educational work provided by the working curriculum. Semester passed billed according to the results of the current control.

#### 10. Scheme of calculation and distribution of points that students will receive:

For discipline - "Basics of Reflexotherapy" (optional course)-the form of final control is credit: The maximum number of points that a student can dial for the current academic activity while studying the subject is 200 points. The resulting value is converted into points by for multimark scale as follows:

For convenience, a conversion table is provided on a 200-point scale: Recalculation of the average grade for current activity into a multimark scale for

disciplines that finish with the credit.

			iscipimes u
4-points scale	200 point s	4-points scale	200 points scale
5	.200	4.45	178
4.97	199	4.42	177
4.95	198	4.4	176
4.92	197	4.37	175
4.9	196	4.35	174
4.87	195	4.32	173
4.85	194	4.3	172
4.82	193	4.27	171
4.8	192	4.24	170
4.77	191	4.22	169
4.75	190	4.19	168
4.72	189	4.17	167
4.7	188	4.14	166
4.67	187	4.12	165
4.65	186	4.09	164
4.62	185	4.07	163
4.6	184	4.04	162
4.57	183	4.02	161
4.52	181	3.99	160
4.5	180	3.97	159
4.47	179	3.94	158

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4-points scale	200 points scale
392	157
389	156
3.87	155
3.84	154
3.82	153
3.79	152
3.77	151
3.74	150
372	149
37	148
367	147
365	146
3.62	145
3.57	143
3.55	142
352	141
35	140
347	139
3.45	138
3.42	137
3.4	136

4-points	200
scale	points
	scale
3.37	135
3.35	134
3.32	133
3.3	132
3.27	131
3.25	130
3.22	129
3.2	128
3.17	127
3.15	126
3.12	125
3.1	124
3.07	123
3.02	121
3	120
Less than	No
3	enoug

Points for subject for students who have successfully completed the program are converted to a traditional 4 point score scale according to the absolute criteria that are listed below in the table:

Table 2

Points for subject	Score for 4-point scale
From 170 to 200 points	5
From 140 to 169 points	4
From 139 points to the minimum number of points a student must achive	3
	2
Нижче мінімальної кількості балів, яку повинен набрати студент Lower than minimum number of points a student must achive	

Statistical indicator
Top 10% of students
The next 25% of students
The next 30% of students
The next 25% of students
The last 10% of students

#### **11.** Methodological support

The department created the conditions for the study of subject "reflexotherapy" (Optional course): Typographic way issued textbooks, methodical recommendations for practical classes and self-work, curation of patients is carried out, performance of practical skills, study of extracurricular topics. Methodological support and literature are sufficient.

#### 12. Рекомендована література:

#### Основна:

- 1. Довгий І. Л. Захворювання периферичної нервової системи / за ред. Церква: ПАТ «Білоцерківська книжкова фабрика», 2016.- Т. 1.- 718 с.
- 2. Довгий І. Л. Захворювання периферичної нервової системи / за ред. Церква: ПАТ «Білоцерківська книжкова фабрика», 2016.- Т. 2.- 522 с.
- 3. Лекція циклу спеціалізації з рефлексотерапії "Застосування теорії ІНЬ і ЯН в традиційній китайській медицині" / Чуприна Г. М., Труфанов Є.О.,Свиридова Н. К. [та ін.].- Східно-Європейський неврологічний журнал. 2018, №4(22).- С.26-31.
- 4. Лекція циклу спеціалізації з рефлексотерапії «Використання рефлексотерапії у складі комплексних лікувальних заходів в косметології» / Свиридова Н. К., Чуприна Г. М., Парнікоза Т. П., Чередніченко Т. В. Східно-Європейський невролог. журн. −2017.- №2 (14).- С. 4-10.
- 5. Лекція циклу спеціалізації з РТ «Практичне застосування теорії У-Сін в традиційній китайській медицині» / Чуприна Г. М., Свиридова Н. К., Парнікоза Т. П. [та ін.].- Східно-Європ. неврологічний журнал. 2018, №2(20).- С.19-23.
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