

Faculty of Physical Medicine and Rehabilitation, V semester

PHYSIOTHERAPY AND HEALTH RESORT THERAPY I

1. Thematic plan of a lecture course, seminars and practical training

Day	The content of lecture course
1.	<ul style="list-style-type: none"> The subject of Health Resort Therapy and Physiotherapy <p>Constant current</p> <ul style="list-style-type: none"> Galvanisation. Physical characteristic, influence mechanism. Iontophoresis- influence mechanism. Combination of an iontophoresis to various physiotherapeutic methods.
2.	<p>Pulse currents</p> <ul style="list-style-type: none"> Diadynamotherapy. Types of currents, physical characteristic, influence mechanism. Sinusoidal- modulated currents; Types of currents, physical characteristic, influence mechanism.
3.	<ul style="list-style-type: none"> Darsonvalisation - Physical characteristic; mechanism of action
4.	<p>Electric, electromagnetic and magnetic fields; use in medicine</p> <ul style="list-style-type: none"> Ultrahigh frequency electromagnetic field. (Ultra-short waves) UHF therapy- physical characterizing, mechanism of action. Microwave therapy - physical characterizing, mechanism of action.
5.	<ul style="list-style-type: none"> Magnetotherapy-constant and variable magnetic fields;their physical characterizing,mechanism of action.
6.	<ul style="list-style-type: none"> Ultrasonotherapy-ultrasonophoresis.Mechanic vibration , it's physical characterizing, mechanism of action.
7.	<ul style="list-style-type: none"> Aerazoltherapy (inhalation)- physical characterizing, mechanism of action.
8,	<ul style="list-style-type: none"> Phototherapy- treatment by infrared, visible and ultra-violet beams; physical characterizing of light rays , mechanism of action. General principles of a hromotherapy
9.	<p>Health resort therapy.</p> <ul style="list-style-type: none"> Medical climatology .Climatotherapy. Climatic resorts of Georgia. Balneology , balneotherapy -medicinal Mineral waters; physical characterizing of light rays,mechanism of action. <ul style="list-style-type: none"> Balneal resorts of Georgia. Combination of climatic and balneological procedures
10.	<ul style="list-style-type: none"> Peloidology, pelloidotherapy - physical characterizing and mechanism of action. Mud resorts of Georgia. Thermotherapy – a paraffinotherapy, and ozokerittherapy; Hydrotherapy –showers; fresh-water bathtubs.

Day	The content of practical course
1.	<p>Constant electric current.</p> <ul style="list-style-type: none"> • Galvanisation. Iontophoresis - galvanization devices, principles of dosage ; general methods of carrying out procedure; • devices for carrying out a medicinal iontophoresis, principles of dosage; • solvents - their appointment and application for medicinal iontophoresis; general methods of carrying out procedures.
2.	<p>Pulse currents</p> <ul style="list-style-type: none"> • Diadynamotherapy- devices, principles of dosage ; general methods of carrying out procedures • Sinusoidal- modulated currents – devices, principles of dosage ; general methods of carrying out procedure;
3.	<p>Darsonvalisation</p> <ul style="list-style-type: none"> • devices , versions of electrodes, principles of dosage ;general methods of carrying out procedures
4.	<ul style="list-style-type: none"> • Ultrahigh frequency electromagnetic field. (Ultra-short waves) UHF therapy- condenser plates, their versions;devices; principles of dosage ;general methods of carrying out procedures
5.	<ul style="list-style-type: none"> • Electromagnetic field of ultrahigh frequency – microwave therapy. Devices; principles of dosage ;general methods of carrying out procedures
6.	<ul style="list-style-type: none"> • Magnetotherapy - devices; principles of dosage ;general methods of carrying out procedures
7.	<ul style="list-style-type: none"> • Ultrasonic therapy, ultraphonophoresis - devices; principles of dosage ;general methods of carrying out procedures
8.	<p>Intermediate test</p> <ul style="list-style-type: none"> • Aerotherapy (inhalation) - devices; principles of dosage ;general methods of carrying out procedures
9.	<p>Phototherapy- treatment by infrared, visible and ultra-violet beams;</p> <ul style="list-style-type: none"> • General principles of a phototherapy. devices; principles of dosage ;general methods of carrying out procedures
10.	<ul style="list-style-type: none"> • Medical climatology .Climatotherapy.Classification of climate and weather. Climatotherapy.Passive and active climatotherapy. Methods of meteorofactors definition.Kinds of climatotherapy
11.	<p>Balneology , balneotherapy -medicinal Mineral waters; structure of mineral waters; classification of Mineral waters; internal application of Mineral waters mineral bathtubs, artificial mineral bathtubs general principles of carrying out balneological procedures</p>
12.	<p>Intermediate test</p> <ul style="list-style-type: none"> • Hydrotherapy –showers; fresh-water bathtubs. general principles of carrying out procedures

13.	Pelloidology, pelloidotherapy - - origin of pelloids - methods of pelloidotherapy - general principles of carrying out nprocedures
14.	Thermotherapy – a paraffinotherapy, and ozokerittherapy methods of paraffinotherapy and ozokerittherapy general principles of carrying out nprocedures
15.	• Presentation of papers and discussion
	Examination (testing)

2. Criterias of student`s progress estimation

Attendance - 3 points

Prctical skills - 26 points

Academic activity : 10 points

Colloquium – 12 points

Discussion of in advance chosen subject – 9 points

Examination (testing) - 40 points

3. Schedule of lectures and practical lessons for the current semester / academic year

Group	Time table	Examination
1	17.01 - 3.02	4.02