MINISTRY OF EDUCATION AND SCIENCE OF THE RUSSIAN FEDERATION

PENZA STATE UNIVERSITY

MEDICAL INSTITUTE

AGREED:

AGREED:

AGREED:

A.N. Mitroshin

MICTURY

WITH BOOK 105 " March 2016.

STUDY PROGRAM

C1.2.1 Medical anthropology

Course – 31.05.01 General Medicine

Graduate's qualification – Medical doctor

Type of study – full-time

1. Aims and goals

The purpose of the mastering of medical anthropology is the study of anatomical and physiological, age and sex, and the individual characteristics of the structure of the human organism.

The purposes of studying medical anthropology are: to study the variability of the structure and topography of body, individual, gender and age-specific body structure, variability of certain organs and defects of their development.

2. Links to other disciplines of the general curriculum

Academic discipline «Medical anthropology» refers to the variable part of the cycle C1. Disciplines.

Medical anthropology is one of the basic disciplines, which is connected with the disciplines: Latin, Biology, Histology, and Human Anatomy.

The main theses of Medical anthropology require for studying the clinical disciplines: Physiology, Pathological Anatomy, Topographic Anatomy and Operative Surgery, Internal Medicine, Surgery, Obstetrics and Gynecology, Pediatrics, Neurology, Otorhinolaryngology, Ophthalmology, Urology, Traumatology and Orthopedics.

3. Student competences, developed during learning "Medical anthropology"

According to the state curriculum for the course, learning is oriented at developing the following competences and their elements:

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| | | Structural elements of the competence |
|------------|------------------------------------|--|
| Competence | Name of the competence | (knowledge, skill, application as a final learner out- |
| code | Name of the competence | |
| | | come) |
| | computer technologies and com- | the external environment in normal and pathological |
| | plying with the demands of infor- | processes. |
| | mation security | skill: analyze the modern domestic and foreign scien- |
| | | tific and technical information, use this knowledge to |
| | | assess the functional state of the body of an adult and |
| | | a teenager. |
| | | application: biomedical conceptual apparatus; basics |
| | | of scientific and technical information of medical sub- |
| | | jects, reviewing the results of clinical, laboratory and |
| | | instrumental methods of examination of patients. |
| GPC-7 | implementing knowledge in gen- | knowledge: medical anatomical conceptual apparatus |
| | eral science and its branches for | structure of the human body, the general laws of origin |
| | solving professional tasks | and evolution of life, and human ontogenesis anthro- |
| | | pogeny, basic laws of development and functioning of |
| | | the human body. |
| | | skill: find in preparations show and call in Latin stud- |
| | | ied anatomical structures; palpate the main man on |
| | | bony landmarks, topographic contours outline organs |
| | | and major vascular and nerve trunks; analyze histolog- |
| | | ical assessment of a variety of cellular, tissue and or- |
| | | gan structures in patients and analyze results X-ray ex- |
| | | amination of patients. |
| | | application: biomedical conceptual apparatus; basics |
| | | of scientific and technical information of medical sub- |
| | | jects, reviewing the results of clinical, laboratory and |
| | | instrumental methods of examination of patients. |
| GPC-9 | knowing how to use medicines, | knowledge: the basic methods of making anatomical |
| | medical products and technolo- | preparations, especially age structure of organs, the |
| | gies in solving professional prob- | basic principles of the analysis of radiographs. |
| | lems | skill: produce anatomical and analyze anatomical var- |
| | | iants and abnormal structure of organs, to interpret the |
| | | results of X-ray and CT examinations |
| | | application: medical anatomical conceptual apparatus; |
| | | underlying technologies transform information; basics |
| | | of anatomical tools, reviewing the results of X-ray ex- |
| | | amination of patients. |
| | | animation of patients. |

4. Structure and content of the discipline "Medical anthropology"

4.1. Structure of the discipline

Overall workload equals 3 ECTSs, 108 hours.

| | | | | Тур | es of le | wor | | es, inclu workloa | ad (in h | | | dual | | F | | | ent as | sessmei eks) | nt | |
|------|--|----------|----------------------|-------|----------|-------------------|--------------------|----------------------|-----------------------------|----------|----------------------|------------------|------------|----------|-----------------|--------------------|---------------------------|----------------------|----------------------|--------------------------------|
| № | Names of parts and topics of the discipline | Semester | Week of the semester | Total | Lectures | Practical classes | Laboratory classes | Total | Preparation for class study | Abstract | Term paper (project) | Exam preparation | Discussion | Tutorial | Test assessment | Test paper grading | Research paper assessment | Workbooks assessment | Term paper (project) | Assessment of practical skills |
| 1. | General anthropology | | | | | | | | | | | | | | | | | | | |
| 1.1. | Anthropology: its history, trends and topics, objectives, general terms, the relationship with clinical medicine. The main stages of the development of anthropology. | 2 | 1 | 4 | 2 | 2 | | 1 | 1 | | | | 1 | | | | | 1 | | |
| 1.2. | Age periodization. Anatomical and functional characterization of age periods, the regulation of growth and development. Acceleration, decelerations and retardation. | 2 | 2 | 2 | | 2 | | 2 | 1 | 1 | | | 2 | | | | 2 | 2 | | |
| 1.3. | Biological age. Familiarization with the indicators of biological age. Skeletal age, dental age, the severity of secondary sexual characteristics - as indicators of biological age. Aging. Longevity. | 2 | 2 | 4 | 2 | 2 | | 1 | 1 | | | | 2 | | | | | 2 | | |
| 1.4. | Traditional methods of anthropology. Descriptive research methods in anthropology. Anthroposcopy of face and body. Drawing up a verbal portrait. | 2 | 3 | 2 | | 2 | | 2 | 1 | 1 | | | 3 | | | | 3 | 3 | | |

| | | | ter | | es of le | worl | | es, incl | ıd (in h | | ' indivi | dual | | F | | of curr | | sessme | nt | |
|-------|---|----------|----------------------|-------|----------|-------------------|--------------------|----------|-----------------------------|----------|----------------------|------------------|------------|----------|-----------------|--------------------|---------------------------|----------------------|----------------------|--------------------------------|
| № | Names of parts and topics of the discipline | Semester | Week of the semester | Total | Lectures | Practical classes | Laboratory classes | Total | Preparation for class study | Abstract | Term paper (project) | Exam preparation | Discussion | Tutorial | Test assessment | Test paper grading | Research paper assessment | Workbooks assessment | Term paper (project) | Assessment of practical skills |
| 1.5. | Traditional methods of anthropology. Measuring methods. Anthropometric instruments. Saving time points and sizes. Saving time drawing up profiles. | 2 | 4 | 4 | 2 | 2 | | 2 | 1 | 1 | | | 4 | | | | 4 | 4 | | |
| 1.6. | Somatometry. Anthropometric points on the trunk and extremities. Main body size: a methodology for identifying and evaluating. Drafting of somatometric profile. | 2 | 4 | 2 | | 2 | | 1 | 1 | | | | 4 | | | | | 4 | | |
| 1.7. | Physical development and its indicators. The proportions and the component structure of the body. Indices of proportionality and body surface area. | 2 | 5 | 4 | 2 | 2 | | 2 | 1 | 1 | | | 5 | | | | 5 | 5 | | |
| 1.8. | The doctrine of the constitutions. The notion of public and private constitution. Their relationship with the psychological characteristics, mental and physical illnesses. | 2 | 6 | 2 | | 2 | | 2 | 1 | 1 | | | 6 | | | | 6 | 6 | | |
| 1.9. | Anatomical constitution. Variants of constitutional circuits. Meaning of somatotyping for biomedical anthropology and medicine. | 2 | 6 | 4 | 2 | 2 | | 1 | 1 | | | | 6 | | | | | 6 | | |
| 1.10. | Characteristics of blood groups. Their distribution in the ethno-territorial groups and meaning for anthropological research and medicine. | 2 | 7 | 2 | | 2 | | 2 | 1 | 1 | | | 7 | | | | 7 | 7 | | |

| | | | | Тур | es of le | worl | | es, incl workloa | ad (in h | tudents ours) vidual v | | dual | | F | | of curi | | sessmei eks) | nt | |
|-------|--|----------|----------------------|-------|----------|-------------------|--------------------|---------------------|-----------------------------|------------------------------|----------------------|------------------|------------|----------|-----------------|--------------------|---------------------------|----------------------|----------------------|--------------------------------|
| No | Names of parts and topics of the discipline | Semester | Week of the semester | Total | Lectures | Practical classes | Laboratory classes | Total | Preparation for class study | Abstract | Term paper (project) | Exam preparation | Discussion | Tutorial | Test assessment | Test paper grading | Research paper assessment | Workbooks assessment | Term paper (project) | Assessment of practical skills |
| 1.11. | Leather. Dermatoglyphics. General information about the structure of the skin. The relief of the color and pigmentation of the skin. Additional formation of skin: hair and nails. Dermatoglyphics: morphology of finger patterns. | 2 | 8 | 2 | | 2 | | 2 | 1 | 1 | | | 8 | | | | 8 | 8 | | |
| 1.12. | The mathematical treatment of the results of anthropological research. | 2 | 8 | 2 | | 2 | | 1 | 1 | | | | 8 | | | | | 8 | | |
| 1.13. | Modern concepts of heredity and variation. The anatomical variability. | 2 | 9 | 2 | | 2 | | 2 | 1 | 1 | | | 9 | | | | 9 | 9 | | |
| 2. | Particularistic anthropology | | | | | | | | | | | | | | | | | | | |
| 2.1. | Development, individual and age variability of the skeleton. | 2 | 10 | 4 | 2 | 2 | | 2 | 1 | 1 | | | 10 | | | | 10 | 10 | | |
| 2.2. | Development, individual and age variability of the skull. | 2 | 10 | 2 | | 2 | | 1 | 1 | | | | 10 | | | | | 10 | | |
| 2.3. | Craniometric study. Basic craniometric points and sizes. | 2 | 11 | 2 | | 2 | | 2 | 1 | 1 | | | 11 | | | | 11 | 11 | | |
| 2.4. | Anthropological dentistry. Patterns of development and change of teeth. The difference in the morphology of the teeth of different racial and ethnic groups. | 2 | 12 | 4 | 2 | 2 | | 2 | 1 | 1 | | | 12 | | | | 12 | 12 | | |
| 2.5. | Development, individual and age variability of the digestive system. | 2 | 12 | 2 | | 2 | | 1 | 1 | | | | 12 | | | | | 12 | | |
| 2.6. | Development, individual and age variability of the respiratory system. | 2 | 13 | 2 | | 2 | | 2 | 1 | 1 | | | 13 | | | | 13 | 13 | | |

| | | | | Туре | | | | es, incl | ad (in h | tudents ours) vidual v | | dual | | F | | of curr | | sessmer eks) | nt | |
|-------|--|----------|----------------------|-------|----------|-------------------|--------------------|----------|-----------------------------|------------------------------|----------------------|------------------|------------|----------|-----------------|--------------------|---------------------------|----------------------|----------------------|--------------------------------|
| № | Names of parts and topics of the discipline | Semester | Week of the semester | Total | Lectures | Practical classes | Laboratory classes | Total | Preparation for class study | Abstract | Term paper (project) | Exam preparation | Discussion | Tutorial | Test assessment | Test paper grading | Research paper assessment | Workbooks assessment | Term paper (project) | Assessment of practical skills |
| 2.7. | Development, individual and age variability of urinary and genital organs, endocrine organs. | 2 | 14 | 5 | 3 | 2 | | 2 | 1 | 1 | | | 14 | | | | 14 | 14 | | |
| 2.8. | Development, individual and age variability of the cardiovascular and lymphatic systems. | 2 | 14 | 2 | | 2 | | 1 | 1 | | | | 14 | | | | | 14 | | |
| 2.9. | Development, individual and age variability of the central and peripheral nervous system. | 2 | 15 | 2 | | 2 | | 2 | 1 | 1 | | | 15 | | | | 15 | 15 | | |
| 2.10. | Development, individual and age variability of the senses. | 2 | 16 | 2 | | 2 | | 2 | 1 | 1 | | | 16 | | | | 16 | 16 | | |
| 2.11. | Credit on medical anthropology. | 2 | 16 | 2 | | 2 | | 1 | 1 | | | | 16 | | 16 | | | | | |
| 2.12. | Credit on medical anthropology. | 2 | 17 | 3 | | 3 | | 1 | 1 | | | | 17 | | 17 | | | | | |
| | Term paper | | | | | | | | | | | | | | | | | | | |
| | Exam preparation | | | | | | | | | | | | | | | | | | | |
| | Overall workload, in hours | | | 68 | 17 | 51 | | 40 | 25 | 15 | | | | | Int | erim a | ssessr | nent | | |
| | | | | | | | | | | | | | | Туре | e | | | Semes | ter | \neg |
| | | | | | | | | | | | | | pass- | fail ex | am | | | 2 | | |
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4.2. Content of the discipline

Anhropology: it's history, directions and parts, the connection to clinical medicine, main terms.

Research methods in anthropology: anthropometry, anthroposcopy and physiometry. Body growth and development. Growth regularities. Age periodization. Anatomical characteristics of main age periods. Biological age. Acceleration and deceleration.

Physical devdelopment. The main body sizes: body mass, height, chest girth. Body proportions and content, age and sex differences.

The relation between constitution and somatic and mental diseases.

Age, sex and individual variability of skeletal-muscle system. Skeletal parts variavility: spine, chest, upper and lower extremities. Muscle system specifics. Abnormalities of skeletal ans muscle development.

Craniometry. Skull and head form age, sex and individual variability. Skull abnormalities.

Age, sex and individual variability of central nervous system, it's abnormalities. Sensor organs age, sex and individual variability and anomalies.

Age, sex and individual variability of skin and it's derivates. Dermatoglyphic's bases and their usage in practice.

Age, sex and individual variability of digestive system. Teeth eruption time and sequence, their variability. Anomalies of digestive system development. Teeth anomalies.

Age, sex and individual variability of respiratory system and it's abnormalities.

Age, sex and individual variability of urine organs, their abnormalities.

Age, sex and individual variability of male genitals and their abnormalities. Age, sex and individual variability of female genitals and their abnormalities.

Age, sex and individual variability of heart. and it's abnormalities.

5. Teaching forms and techniques

- Traditional knowledge of anatomical and visual aids.
- Multimedia lectures
- Solving situational tasks
- Execution of written works (essays on the specified or free topic, reports).
- Individual work.

6. Teaching and learning materials for students' individual work. Forms of current and interim assessment.

6.1. Outline of students' individual work

| No | Topic | Type of individual work | Task | Suggested reading material | Hours |
|----|---|-------------------------------|--|--|-------|
| 1 | Anthropology: its history, trends and topics, objectives, general terms, the relationship with clinical medicine. The main stages of the development of anthropology. | Preparation for class study | Preparing to control work using workbook | Lectures on medical anthropology Working notes in class Workbook on Medical Anthropology | 1 |

| | | Type of | | Suggested | |
|----|--|-----------------------------|--|---------------------|-------|
| No | Topic | individual work | Task | reading material | Hours |
| 2 | Age periodization. Anatomical and functional characterization of age periods, the regulation of growth and development. Acceleration, decelerations and retardation. | Preparation for class study | Preparing to control work using workbook | The same | 2 |
| 2 | Biological age. Familiarization with the indicators of biological age. Skeletal age, dental age, the severity of secondary sexual characteristics - as indicators of biological age. Aging. Longevity. | Preparation for class study | Preparing to control work using workbook | The same | 1 |
| 3 | Traditional methods of anthropology. Descriptive research methods in anthropology. Anthroposcopy of face and body. Drawing up a verbal portrait. | Preparation for class study | Preparing to control work using workbook | The same | 2 |
| 4 | Traditional methods of anthropology. Measuring methods. Anthropometric instruments. Saving time points and sizes. Saving time drawing up profiles. | Preparation for class study | Preparing to control work using workbook | The same | 2 |
| 4 | Somatometry. Anthropometric points on the trunk and extremities. Main body size: a methodology for identifying and evaluating. Drafting of somatometric profile. | Preparation for class study | Preparing to control work using workbook | The same | 1 |
| 5 | Physical development and its indicators. The proportions and the component structure of the body. Indices of proportionality and body surface area. | Preparation for class study | Preparing to control work using workbook | The same | 2 |
| 6 | The doctrine of the constitutions. The notion of public and private constitution. Their relationship with the psychological characteristics, mental and physical illnesses. | Preparation for class study | Preparing to control work using workbook | The same | 2 |

| | | Type of | | Suggested | |
|----|---|-----------------------------|--|---------------------|-------|
| № | Topic | individual work | Task | reading material | Hours |
| 6 | Anatomical constitution. Variants of constitutional circuits. Meaning of somatotyping for biomedical anthropology and medicine. | Preparation for class study | Preparing to control work using workbook | The same | 1 |
| 7 | Characteristics of blood groups. Their distribu- tion in the ethno-territo- rial groups and mean- ing for anthropological research and medicine. | Preparation for class study | Preparing to control work using workbook | The same | 2 |
| 8 | Leather. Dermato-glyphics. General information about the structure of the skin. The relief of the color and pigmentation of the skin. Additional formation of skin: hair and nails. Dermatoglyphics: morphology of finger patterns. | Preparation for class study | Preparing to control work using workbook | The same | 2 |
| 8 | The mathematical treatment of the results of anthropological research. | Preparation for class study | Preparing to control work using workbook | The same | 1 |
| 9 | Modern concepts of heredity and variation. The anatomical variability. | Preparation for class study | Preparing to control work using workbook | The same | 2 |
| 10 | Development, individual and age variability of the skeleton. | Preparation for class study | Preparing to control work using workbook | The same | 2 |
| 10 | Development, individual and age variability of the skull. | Preparation for class study | Preparing to control work using workbook | The same | 1 |
| 11 | Craniometric study. Basic craniometric points and sizes. | Preparation for class study | Preparing to control work using workbook | The same | 2 |
| 12 | Anthropological dentistry. Patterns of development and change of teeth. The difference in the morphology of the teeth of different racial and ethnic groups. | Preparation for class study | Preparing to control work using workbook | The same | 2 |
| 12 | Development, individ- ual and age variability of the digestive system. | Preparation for class study | Preparing to control work using workbook | The same | 1 |
| 13 | Development, individ- ual and age variability of the respiratory sys- tem. | Preparation for class study | Preparing to control work using workbook | The same | 2 |
| 14 | Development, individual and age variability of urinary and genital organs, endocrine organs. | Preparation for class study | Preparing to control work using workbook | The same | 2 |

| № | Торіс | Type of individual work | Task | Suggested reading material | Hours |
|----|---|-------------------------------|--|----------------------------------|-------|
| 14 | Development, individual and age variability of the cardiovascular and lymphatic systems. | Preparation for class study | Preparing to control work using workbook | The same | 1 |
| 15 | Development, individual and age variability of the central and peripheral nervous system. | Preparation for class study | Preparing to control work using workbook | The same | 2 |
| 16 | Development, individual and age variability of the senses. | Preparation for class study | Preparing to control work using workbook | The same | 2 |
| 16 | Credit on medical anthropology. | Preparation for class study | Preparing to control work using workbook | The same | 1 |
| 17 | Credit on medical anthropology. | Preparation for class study | Preparing to control work using workbook | The same | 1 |

6.2. Instructional guidance for individual students' work

- Lectures and theoretical block studying.
- The filling of work-books using definitions, answer the questions.
- Self-work in pairs with anthropometrical tools, measuremnts making.
- Main anthropological indexes calculation.
- Self-work using tables, tests, additional literature.

6.3. Current and interim assessment materials

Competence development assessment

| № | Type of assessment | Topics (parts) assessed | Competences and elements assessed |
|----|---------------------------|-------------------------|-----------------------------------|
| 1. | Discussion | Parts 1, 2 | GC-1, GPC-1, GPC-7, GPC-9 |
| 2. | Test assessment | Parts 1, 2 | GC-1, GPC-1, GPC-7, GPC-9 |
| 3. | Workbooks assessment | Parts 1, 2 | GC-1, GPC-1, GPC-7, GPC-9 |
| 4. | Research paper assessment | Parts 1, 2 | GC-1, GPC-1, GPC-7, GPC-9 |

Sample questions for control classes

- 1. What does literally mean the term "anthropology", who used it first and in what sense?
- 2. What is a "double understanding of anthropology"? At what stage of development of knowledge about the person did this division arise and what was it connected with?
- 3. Describe the main features of the Russian anthropological science. What distinguished the "Soviet period" of Russian anthropology?
- 4. What does a comprehensive approach mean in general terms in anthropological research? With the activity of what scientists the formation of this approach in the Russian anthropology is associated?
- 5. What is special about the humanitarian trend of anthropology? What is the subject of philosophical, cultural, social anthropology?
- 6. Are the dermatoglyphic patterns identical on the fingers of the left and right hands, and in monozygotic and dizygotic twins?

- 7. How are fingerprints taken?
- 8. Association with skin diseases patterns and other genetic markers.
- 9. What is the significance of mathematical and statistical methods in anthropological research?
- 10. What is the statistical population? What is the difference between a selected constellation and general?

Criteria for assessing of the interview in control classes

- "Excellent" the story complete, competent, logical; fluency in terminology; answers to additional questions clear brief.
- "Good" the story is not enough to single logical errors in particular; single error in the terminology; answers to additional questions correct, clear enough.
- "Satisfactory" the story is not enough literate, part-time, with errors in the details; errors in terminology; answers to additional questions is not enough clear, with errors in particular.
- "Disappointing" the story of an illiterate, incomplete, with gross errors; ignorance of the terminology; answers to additional questions wrong.

Demo variant of test

- 1. How is the doctrine of object structure variability, it's form and structure called?
 - 1) variability
 - 2) morphology
 - 3) auxology
 - 4) epistemology
- 2. Martine worked out the method of:
 - 1) somatology
 - 2) craniometry
 - 3) anthropometry
 - 4) metrology
- 3. Philosophical anthropology is a science about:
 - 1) human essence
 - 2) human world view
 - 3) human culture
 - 4) human development
- 4. Anthropogenesis studies the problems of:
 - 1) human origin and development
 - 2) human mobility
 - 3) human evolution
 - 4) human living on the certain territory
- 5. Physical development is most often evaluated using:
 - 1) indexes method
 - 2) twins method
 - 3) population-genetic method
 - 4) morphometry
- 6. The main evolutional factor is:
 - 1) heredity
 - 2) mutations
 - 3) society
 - 4) natural selection
- 7. The main growth leap happens during:
 - 1) the first year of life
 - 2) 6-8 years old
 - 3) 13-15 years old

- 4) 18-20 years old
- 8. The first childhood is the age of:
 - 1) 1-3 years old
 - 2) 4-7 years old
 - 3) 8-11 years old
 - 4) yill 1 year
- 9. Epochal development temps changing are called:
 - 1) growth leap
 - 2) Population maturing
 - 3) Evolutional trend
 - 4) Secular trend
- 10. The process opposite to acceleration is called:
 - 1) disharmonization
 - 2) «stress syndrome»
 - 3) demographic decline
 - 4) retardation
- 11. In elderly biological age criteria are all excepr:
 - 1) sexul hprmones content in blood
 - 2) neuro-dinamic features
 - 3) metabolizm activity
 - 4) secondary sexual characteristics development
- 12. Pinie constitutional index uses such parameter as:
 - 1) shoulder width
 - 2) pelvis width
 - 3) hip girth
 - 4) chest circumference
- 13. Viscerotony, sommatotony апявляются характ dcerebrotony are the types of:
 - 1) somatotype
 - 2) metabolism
 - 3) temp
 - 4) Central nervous system
- 14. The part of morphology studying the skin relief is called:
 - 1) dermatology
 - 2) dermatometry
 - 3) dermatography
 - 4) dermatoglyphics

Criteria for assessing of the test

[&]quot;Excellent" ("5") – 91% or more correct answers to test items.

[&]quot;Good" ("4") -81-90% of correct answers to test items.

[&]quot;Satisfactory" ("3") – 71-80% of correct answers to test items.

[&]quot;Disappointing" ("2") – 70% or less correct answers to test items.

7. Information materials for the discipline

a) Basic reading

 Kalmin O.O., Galkina T.N., Grigorkina E.S. Lectures on medical anthropology: Tutorial. – Penza: PSU Publishing, 2016. http://elib.pnzgu.ru/library/15472900

b) Supplementary reading

1. Kalmin O.V., Galkina T.N., Grigorkina E.S. Medical Anthropology. Testbook. – Penza: PSU Publishing, 2015

c) Software and Internet resources

- 1. The Society for Medical Anthropology http://www.medanthro.net
- 2. Medical Anthropology http://www.ucl.ac.uk/anthropology/about/medical-anthropology
- 3. Medical anthropology, Stanford https://www.stanford.edu/dept/anthropology/cgibin/web/?q=node/1099
- 4. Microsoft Windows (DreamSpark/Microsoft Imagine Standart); reg. number 00037FFE-BACF8FD7, contract № СД-130712001 of 12.07.2013.
- 5. Kaspersky Anti-Virus 2016-2017, reg. number KL4863RAUFQ, contract № XΠ-567116 of 29.08.2016.
- 6. Open source software: LibreOffice; Google Chrome; Adobe Reader; 7zip.

8. Equipment

| N₂ | Name of special classroom | Equipment of special classroom |
|-----|---|------------------------------------|
| 245 | and classroom for independent work | and classroom for independent work |
| 1. | Classroom № 10-117, housing № 10, 45 m ² | Multimedia projector – 1 pc. |
| | | Laptop – 1 pc. |
| | | Screen – 1 pc. |
| | | School table - 18 pcs. |
| | | Stool – 40 pcs. |
| | | Cupboard for aids – 3 pcs. |
| | | Anatomical dummies. |
| | | Visual aids. |
| | | Anatomical tables. |
| 2. | Classroom N_2 10-104, housing N_2 10, 58.5 m ² | Multimedia projector – 1 pc. |
| | | Laptop – 1 pc. |
| | | Screen – 1 pc. |
| | | School table – 19 pcs. |
| | | Stool – 40 pcs. |
| | | Blackboard – 1 pc. |
| | | X-ray view box – 1 pc. |
| | | Anatomical dummies. |
| | | Visual aids. |
| | | Anatomical tables |

| The program developers: |
|---|
| Head of the Department of Human AnatomyO.V. Kalmin |
| The present study program is protected by copyright and cannot be reproduced in any form without written consent of the department-developers of the program. |
| The program was discussed and agreed at the department meeting |
| Records № 7 on "04" March 2016. |
| Head of the DepartmentO.V. Kalmin |
| The program is agreed with the Dean of the Medical Faculty of PSU |
| Dean of the Medical Faculty <u>Alleuch</u> I. Ya. Moiseeva |
| The program was approved by methodological commission of the Medical Institute |
| Records № _7_ on "_05 " <u>March</u> 2016. |
| Chair of the methodological commission Mod O.V. Kalmin |
| |

The study program for the discipline "Medical Anthropology" is drawn in accordance with the federal state educational standard of higher education and academic plan for the course 31.05.01 – General Medicine.

Annual list of registration for changes and amendments to the present program

| | Department review | | Pages | | |
|----------------------|---|---|---------|-------|---------|
| Academic year | (records №, date, head of the depart- | Changes and amendments | changed | added | deleted |
| | ment signature) | | | | |
| 2016-2017 уч. год | Протокол № 1 от 31.08.2016 | Переутверждена без изменений на новый учебный год | | | |
| 2016-2017 уч. год | Протокол № 9 <i>Мо</i> 1 от 18.05 2017 | Изменена квалификация выпускни- ков | 1 | | |
| 2017-2018 уч. год | Протокол № 1 от 30.08.2017 <i>ф</i> (от) | Добавлено в п.5 описание применения образовательных технологий к обучающимся с ограниченными возможностями здоровья и инвалидам | 9 | | |
| 2017-2018 уч. год | Протокол № 1 <i>floo</i> от 30.08.2017 | Переутверждена на новый учебный год | | | |
| 2018-2019 уч. год | Протокол № 1 <i>///о</i> / от 01.09.2018 | Переутверждена на новый учебный год без изменений | | | |
| 2019-2020 уч. год | Протокол № 1 <i>flo</i> 1 от 31.08.2019 | Переутверждена на новый учебный год без изменений | | | |
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