

Head of the department prof., Chobanov R.A.

**TRAINING PROGRAM
(SYLLABUS)**

signature _____
17.11.2021

By subject "Public health and medical statistics"

SPECIALTY

PUBLIC HEALTH

ITEM CODE:

İPF – B41

ITEM TYPE:

MANDATORY

SEMESTER OF LEARNING:

5-6

ITEM CREDIT:

2

SUBJECT LEARNING FORM:

FULL-TIME

SUBJECT LEARNING LANGUAGE:

AZERBAIJANI, RUSSIAN, ENGLISH

FACULTY

TREATMENT-AND-PROPHYLACTIC

REQUISITES:

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PREREQUISITES:

Subjects that must be studied in advance to study this subject: microbiology, infectious diseases, epidemiology, hygiene.

COREQUISITES:

There is no need to study other subjects at the same time.

DESCRIPTION OF THE COURSE:

Public health and medical statistics, in interaction with other theoretical and practical medical disciplines (pharmacology, anatomy, hygiene and ecology, physiology, therapy, pediatrics, surgery and other sciences) studies the factors affecting public health and related issues in the organization of health statistics.

PURPOSE OF THE COURSE:

To acquaint students with the health of the population, its social nature, morbidity, disability, demographic processes, statistics of these processes, with the basics of medical statistics as a science, existing theoretical systems in medicine and health, health risk factors, sanology, valeology, important social and hygienic problems - their separate description, health concept, structural elements, health management and treatment-and-prophylactic enterprises.

COURSE RESULTS:

With the mastery of the subject, students should be able to understand public health, its social nature, medico-demographic processes, important social and hygienic problems, health management, marketing, management activities, structural units of health authorities, structure, procedure for drawing up annual reports, health planning, forecasting methods, financing, in order of budgeting - health economics, economic efficiency, in the maintenance of medical statistics, etc.

LIST OF PRACTICAL EXERCISES ON THE SUBJECT

N	Topic names	Hours
1	Statistics as a social-and-political science. Medical statistics and its application in medical researches. Research skills of students	2
2	Statistical research and its stages. Organization of statistical research	2
3	Absolute and relative values used in medicine and healthcare	2
4	Time (dynamic) series and its indicators. Graphic representations	2
5	Variational statistics. Average values, their types. Mode, median. Average error of average value, criterion of reliability	2
6	Medical demography and demographic indicators. Concept of average life expectancy	2
7	Morbidity of population, its types and methods of its study. Indicators of morbidity, general and with temporary disability. Disability, indicators of medical rehabilitation and methods of their calculation	2
8	Essence of method of standardization and its types. Rules of application of a direct method of standardization in medicine and healthcare	2
9	Connection and relationship between phenomena and their measurement. Essence and forms of relations. Coefficient of conformity and methods of its calculation	2

10	Concept of correlation. Spearman's coefficient of rank correlation. Coefficient of linear correlation, its error, and determination of its reliability	2
	Total	20

LIST OF LECTURE TOPICS ON THE SUBJECT

N	Topic name	Hours
1	Science about public health and organization of healthcare, its research methods, modern problems and history of development. State and international documents concerning healthcare ("Constitution of Azerbaijan Republic", law "On sanitary and epidemiologic wellbeing", law of Azerbaijan Republic "On protection of health of population", establishment of WHO and its charter.	2
2	Methods and criteria of studying of health of population and complex of factors influencing it, risk factors. A modern ecological situation, monitoring problems policy of the AR in this direction	2
3	Medical demography, its importance for medicine and healthcare system. Natural movement of population, methods of its studying, rule of record	2
4	Morbidity of population, methods of its studying. Types of pathologies of population	2
5	Non-infections illnesses (cardiovascular, onkoloji, chron. obst. lungs diseases, diabet and other) - as a social -and hygienic problems.	2
	Total	10

Samples of tests for all sections of the subject are prepared and placed in electronic form in a virtual database on the official website of the university.

ASSESSMENT:

The knowledge of students enrolled in the European Credit Transfer System is assessed on a multi-point scale. A student can receive a maximum of 100 points in a subject. 50 of these points are awarded based on the student's progress during the semester and 50 based on the results of the final exam.

The 50 points awarded for the student's activity during the semester are determined taking into account the following:

- For attendance of classes-10 points
- For independent work -10 points
- Based on the results of daily surveys (theoretical knowledge and skills) - 30 points.

Starting from the 2018/19 academic year, points are awarded for student attendance in a subject in accordance with the following table:

Credits	Hours	10 points	9 points to 10%	8 points to 20%	Not admitted to the exam
2	30 hours	0 hours	1-3 hours	4-6 hours	7 or more hours
3	45 hours	0 hours	1-5 hours	6-9 hours	10 or more hours
4	60 hours	0 hours	1-6 hours	7-12 hours	13 or more hours
5	75 hours	0 hours	1-8 hours	9-15 hours	16 or more hours
6	90 hours	0 hours	1-9 hours	10-18 hours	19 or more hours
7	105 hours	0 hours	1-11 hours	12-21 hours	22 or more hours
8	120 hours	0 hours	1-12 hours	13-24 hours	25 or more hours
9	135 часов	0 hours	1-14 hours	15-27 hours	28 or more hours
10	150 hours	0 hours	1-15 hours	16-30 hours	31 or more hours

From the 2018/19 academic year, a student who does not attend more than 40% of lectures (regardless of attending practical classes or seminars) will not be allowed to take the exam in this subject. This percentage of lectures is calculated from the following table:

Number of lectures	Total lectures hours	Not admitted to the exam (missed lecture hours)
2	4 hours	2 or more hours
3	6 hours	3 or more hours
4	8 hours	4 or more hours
5	10 hours	5 or more hours
6	12 hours	5 or more hours
7	14 hours	6 or more hours
8	16 hours	7 or more hours
9	18 hours	8 or more hours
10	20 hours	9 or more hours
15	30 hours	13 or more hours

CURRENT ASSESSMENT OF THEORETICAL KNOWLEDGE OF STUDENTS

During the semester, the student's theoretical knowledge is assessed on a 10-point scale (maximum 10 points) based on the student's questioning at least three times in practical classes. For example, if a student scored 6, 7, and 8 in the daily surveys, the average score was 7. Multiplying this number by three gives the student a final score of 21 in classroom surveys throughout the semester. The results of the daily interviews should be recorded in the teacher's journal without correction. In this case, in the teacher's journal and in the group journal on the corresponding pages for individual subjects, students who do not attend the lesson every school day are given "q", those who answer the questions are given a "ball", and those who attend, but does not receive a grade. "I/e" (participated). Thus, there should not be an empty cell in front of students' names. On their basis, at the end should be indicated the final number of points scored by the student during the semester in the subject.

The final grade of the student for the semester should objectively reflect the student's knowledge:

50 points - before the exam, including:

10 points - attendance,

10 points - independent work,

30 points - assessment of theoretical knowledge in practical training.

CALCULATION OF POINTS FOR INDEPENDENT WORK

Students must complete 10 independent papers during the semester. With a low workload, you can take 5 tasks (2 points). Each independent work is evaluated with one point, therefore the maximum number of points for independent work is 10. The list of independent work is compiled by the department in accordance with the subject program and is issued to each student in the first week of the semester. Each independent work is prepared by the student in writing, 1-2 pages long. A student preparing an independent work writes a work after studying (mastering) and free interpretation of the topic. Copying when writing a work is not allowed, regardless of the source! Independent work, depending on the student's desire, can be in the form of manuscripts, as well as computer texts or slide presentations.

Bibliography

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COURSEWORK

Coursework on this topic is not provided.

AN EXPERIENCE:

No production experience on this topic

Prepared:

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