I approve
The President of Scientific Council,
Rector N. Kh. Saribekyan
«01» September 2020

THE UNIVERSITY OF TRADITIONAL MEDICINE

THE SPECIFICATION OF CONTINUOUS AND INTEGRATED EDUCATIONAL PROGRAM

SPECIALIZATION: 091101.00.7 - "STOMOTOLOGY"

QUALIFICATION: DOCTOR-DENTIST

Yerevan 2020

The specification of the professional educational program (PEP) is intended for applicants, students, academic staff, beneficiaries and employers.

It provides a brief summary of the main features of the programme, including the intended learning outcomes, detailed information on learning, teaching and assessment methods, learning outcomes and the content of each module, which the student can expect and can achieve if they take full advantage of what is offered. and the learning opportunities provided.

091101.00.7 - "STOTOMOLOGY" SPECIALTY

PROFESSIONAL EDUCATIONAL PROGRAM

1. General Provisions

The name of the educational program and the number of the specialty: 091101.00.7- "Stomatology"

- National Qualifications Framework level: Level 6, 7 of the National Qualifications Framework
- The period of appropriation of the PEP: 5 years
- Number of credits: 300 /three hundred/
- Awarded qualification: Doctor-dentist
- Higher education institution: University of Traditional Medicine /UTM/
- Faculty implementing the educational program: Stomatology
- Educational program training mode: Full-time
- Educational activities are carried out in the RA state language, for foreigners in English
- The educational program is licensed and accredited: License - N 0002 Credential - N 128

1.1. Introduction

The Professional Education Program /PEP/ of 091101.00.7- "Dentistry" curriculum implemented by UTM is a system of documents, which were reviewed and developed by the monitoring and review working group of the PEP and approved by the academic council of the university / on 31.08.2020 protocol No. 2/ in accordance with the requirements of the labor market and the educational standards of the RA state educational norms, the educational standards of the NQF, and also took into account similar foreign exemplary educational programs of universities.

The PEP regulates the goals of the educational program process, expected results, content and conditions and technologies for its implementation, assessment of the quality of graduate training and includes: curriculum, work programs of courses, lectures and subjects (modules) and other materials, as well as calendar study periods for conducting educational and production practices and methodological materials ensuring the implementation of relevant educational technologies.

1.2. 091101.00.7 -Normative documents for the development of the PEP of the specialty "Dentistry"

The normative legal basis for the development of the IPC is:

- RA Law "On Education".
- RA Law "On Higher and Post-Graduate Professional Education".
- The requirements of the educational standard of quality assurance of professional education
- The state educational standard of RA higher professional education.

1.3. General characteristics of the professional educational program

1.3.1. The purpose of the professional educational program / mission /

The purpose of the PEP is to:

- to train doctors-dentists who are knowledgeable, highly moral, aware of their role in the doctor-patient relationship, who will have basic and systematic modern deep professional knowledge, skills and abilities to carry out professional activities in the field of medicine, in accordance with the requirements of the labor market in the field of healthcare, medicine and medical education, for conducting research work, teaching in higher and secondary professional educational institutions and continuing studies at the next educational level.

In order to achieve the above-mentioned goal of the PEP, the following tasks have been defined:

1. to provide medical education that will develop the student's thinking culture, deepen his/her awareness of the social significance of the future profession, and create a high motivation to engage in professional activities;
2. to carry out the teaching of basic scientific principles necessary for medical professional activity;
3. to give complete and up-to-date professional knowledge and to develop the abilities and skills of applying this knowledge for further professional activities;
4. to teach basic modern methods, ways and means of receiving, storing, processing and managing information;
5. to instill a desire for self-development and improvement of one's own qualifications;
6. to form a stable motivation to engage in the intended professional activity;
7. to develop the ability to find organizational and managerial solutions in non-standard situations and the willingness to take responsibility for them;

8. to promote the use of scientific and technological achievements within professional activities and promote innovative activities in the field of healthcare;

9. to create fundamental and practical conditions for the training of specialists, based on international standards of medical education, domestic traditions.

1.3.2. The structure and description of the PEP

The official duration of the ICP is 5 years, 250 weeks, including theoretical training, practical and laboratory training, examination periods, training practices, vacations.

The volume of the educational program is 60 credits in 1 academic year.

The volume of the student's study load is defined as 45 hours per week, including classroom (30 hours) and extracurricular (independent: 15 hours) work.

The program ends with the passing of summative certification exams. Students who have completed the study plans are allowed to participate in the summary certification. Upon successful completion of the summative certification exams, the graduate is granted the qualification of a doctor-dentist.

091101.00.7 - "Dentistry" specialty of ABU consists of the following educational units:

I. Educational unit of social-humanitarian courses - 27 credits

II. Educational unit of natural science and medical biology courses - 87 credits

III. Curriculum of preventive medicine courses – 13 credits

IV. Educational unit of general and special professional courses - 155 credits

- Educational practice - 15 credits

- Final summary certification (3 credits), which is the final stage of the educational program, the purpose of which is to verify theoretical and practical professional knowledge, abilities and skills according to the final results of the educational program.

V. Additional Elective Courses

VI. Optional course

1.3.3. Requirements for the applicant

- The applicant must have a state sample certificate of secondary, secondary professional or initial professional education.
- Applicants have the right to take two of the mentioned three competitive exams: "Biology", "Physics", "Chemistry" and "Armenian language" as a non-competitive subject.
- Admission is carried out according to the admission procedure of RA higher education institutions approved by the RA government.

2. 091101.00.7 -Profile of the professional activity of a graduate who has mastered the PEP of the "Stomatology" specialty

2.1. The scope of professional activity of a graduate who has mastered the PEP includes:

After graduating from the university, the graduate has the right to perform preventive and diagnostic activities only under the direct supervision of a qualified specialist.

The graduate can independently engage in educational and research activities in medical, fundamental and theoretical directions.

The graduate does not have the right to carry out such an activity related to the independent management of the patient. In order to carry out independent therapeutic, preventive and diagnostic activities, a graduate with the qualification of a doctor-dentist must study in a clinical residency/residency (post-graduate) educational program, receiving an appropriate qualification in a clinical specialty.

2.2. The objects of the professional activity of a graduate who has mastered the PEP are:

- natural persons (hereinafter referred to as patients)
- the population,
- the set of means and technologies intended for dental care and necessary for the creation of conditions for the health care of citizens.

2.3. The types of professional activity of a graduate who has mastered the PEP are:

- medical,
- organizational-management,
- scientific research
- educational

2.4. Problems of professional activity of the graduate

A graduate who has mastered the PEP must solve the following problems related to professional activity.

- medical activity

- prevention of diseases among the population through preventive and anti-epidemiological measures,

- participation in preventive medical examinations, dispensary and dispensary control measures,

- collection and analysis of information on dental diseases of different sex-age groups, as well as their impact on people's health,

- diagnosis of dental diseases and pathological condition of patients,

- diagnosis of acute conditions of patients,

- conducting a temporary disability examination and participating in other medical examinations,

- provision of dental care in outpatient and day-patient settings,

- participation in the process of providing first aid in emergency situations, including participation in medical evacuation,

- participation in medical rehabilitation and sanatorium treatment of patients with dental diseases,

- formation of motivation of the national population, patients and their families, aimed at maintaining and strengthening the health of their own and those around them,

- teaching patients basic hygienic measures of therapeutic nature, which will contribute to the prevention of dental diseases and strengthening of health,

- **organizational-management activity**

- application of the basic principles of dental care organization in medical institutions and their structural divisions,

- ensuring favorable conditions for patients and medical staff in dental medical institutions,

- management of medical documents in medical institutions,

- organization of medical examination,

- participation in the assessment of the quality of dental care provided to patients,

- fulfillment of the main requirements for maintaining information security,

- **scientific research activity**

- analysis of medical literature and official statistics, participation in conducting statistical analyzes and publicizing the obtained results,

- participation in the solution of scientific research problems in the field of healthcare, which are related to diagnosis, treatment, medical rehabilitation and prevention.

- **educational activity**

-teaching in higher and secondary professional educational institutions.

3. 091101.00.7 -The characteristic of the professional activity formed as a result of the mastering of the "Stomatology" PEP

091101.00.7 -Description of the professional activity formed as a result of mastering "Dentistry" PEP

The results of mastering the PEP are determined by the qualities acquired by the graduate, that is, his/her knowledge, abilities and ability to apply personal qualities, according to the problems of professional activity.

As a result of mastering the PEP, the graduate must have general, general professional and professional end-results.

The graduate who has mastered the "Dentistry" PEP must have the following general end-results:

GE	General end-results
GE -1	Have abstract thinking, ability to combine and analyze the methods of humanities, natural sciences, medical-biological-clinical sciences during professional-social activities.
GE -2	Be able to act in non-standard situations, bear social and moral responsibility for decisions made.
GE -3	Be able to provide first aid and emergency protection methods.
GE -4	Will be able to show willingness to work in a team, tolerate social, ethnic, religious and cultural differences.

The graduate who has mastered the PEP must have the following general professional end-results:

GPE	General professional end-results
GPE -1	Based on the basic requirements of information security, be able to solve the main problems of professional activity, using information, bibliographic resources, medical-biological terminology, information-communication technologies.
GPE -2	Be able to communicate in native and foreign languages - orally and in writing while carrying out professional activities.
GPE -3	Will be able to apply moral, psychological, deontological principles, basics of legal knowledge in professional activities.
GPE -4	Be able to analyze the results of one's own activities in order to prevent professional mistakes.
GPE -5	Organizing work in medical institutions and keeping medical documents.
GPE -6	Be able to apply basic concepts and knowledge of physicochemical, mathematical

	and other natural sciences when solving professional problems.
GPE -7	When solving professional problems, during medical care, be able to use medicine, traditional medicine and other means of non-drug treatment and combine them.
GPE -8	When solving professional problems, be able to assess the morphofunctional states, physiological and pathological processes in the human body, taking into account their age characteristics.
GPE -9	Be able to use medical instruments and equipment for medical and dental care.

A graduate who has mastered PEP must have the following professional end-results:

Preventive activity

PE	**Professional end-results**
PE-1	Be able to and be willing to implement comprehensive measures to maintain and strengthen health, including the development of a healthy lifestyle, prevention of the occurrence and spread of diseases, early diagnosis, identification of the causes and conditions of their development, genotypic-phenotypic manifestations of hereditary diseases, genetic bases of congenital disorders of the maxillofacial apparatus, as well as the elimination of harmful environmental stimuli that affect human health.
PE-2	Be able to and be ready to conduct preventive medical examinations, dispensary and carry out dispensary control of patients with dental pathology.

Diagnostic activity

PE-3	Be able to listen to and analyze patient complaints, medical history, examination, laboratory, instrumental, pathological, anatomical, traditional and other test results to detect or rule out dental disease.
PE-4	Be able to diagnose nosologies of dental diseases and problems, main pathological conditions in accordance with the international statistical classification, symptoms and syndromes of diseases.

Therapeutic activities

PE-5	Be able to determine the management tactics of patients with nosologies of various dental diseases.
PE-6	Be able to treat dental diseases of different age groups in an outpatient and inpatient setting, integrating modern and traditional medicine treatment methods.
PE-7	Be able to provide emergency medical care as well as participate in medical evacuation.

Rehabilitation activities

PE-8	Be able to determine the use of natural healing stimuli, drugs, non-drug therapy and other methods of treatment for dental patients in need of medical rehabilitation and sanatorium treatment.

Psycho-pedagogical activity

PE-9	Will be able to teach the population the basic hygienic measures of the nature of recovery, the skills of self-control of basic physiological indicators, which contribute to the maintenance and strengthening of health, the prevention of dental diseases.
PE-10	Be able to engage in enlightenment activities with healthy living skills to eliminate risk signals.

Scientific research activities

PE-11	Be able to analyze on the basis of evidence-based medicine, present medical information to the public, national-foreign experience on the topic of research.
PE-12	Will be able to participate in scientific research.
PE-13	Will be able to participate in the introduction of new methods aimed at maintaining the health of the population.

4.191101.00.7 -Documents regulating the content and organization of the educational process during the implementation of the PEP of the "Dentistry" specialty

The PEP is a system of documents that is updated taking into account health, science, culture, economy, technology, technology and social spheres.

Documents representing the content of the professional educational program, the organization and implementation of the educational process.

4.1. End-results formed by subjects

4.2. Curriculum

4.3. Annual calendar study schedule

4.4. Work programs of subjects

4.5. Academic internship programs.

The following types of educational practices are planned during the implementation of the PEP:

▪	Nursing assistant	3 credits	90 hours	II year	4th semester
▪	Doctor-dentist / therapist / assistant	3 credits	90 hours	III year	6the semester
▪	Doctor-dentist/surgeon/assistant	3 credits	90 hours	IV year	8th semester
▪	Doctor-dentist/orthopedic/assistant	3 credits	90 hours	IV year	8th semester
▪	Pediatric dentist assistant	3 credits	90 hours	V year	9th semester
Total		*15 credits*	*450 hours*		

Educational practice is conducted in appropriate clinics in the form of shifts or cycles, as well as in structural units of the university.

4.6. State summary certification.

This includes preparing for and taking state exams.

State summative certification exams:

1. Therapeutic dentistry and pediatric therapeutic dentistry
2. Surgical dentistry and pediatric surgical dentistry
3. Orthopedic stomatology and orthodontics

5. Learning and teaching approaches

Teaching and learning takes place in a group format, with workshops, practicals and internships involving structured small groups. Teaching methods encourage a student-centered approach at all stages of learning, encouraging the individual development of the student, the proportional growth of professional abilities, the latter's independence in acquiring professional information, as well as individual analytical abilities and critical thinking.

Learning and teaching approaches provide gradual accumulation of knowledge according to complexity, as well as continuous development of skills and abilities according to the basic requirements of professional formation.

The lecture includes lectures, workshops, practical /individual/ workshops, consulting and practical training.

Lectures- An opportunity to present a sequence of extended and consistent facts,

Seminars - Group and individual creativity, discussion and reflection, critical thinking development, Practical exercises - An opportunity to analyze and discuss experiments and topics, documents and materials,

Supported self-study, use of current materials - support for individual research and development,

Individual consulting- providing more advanced, profound analysis and support for self-study.

6. Criteria and methods of assessment of the quality of mastery of the PEP.

The evaluation methodology used within the framework of the "Dentist" profession is based on the objectivity and measurability of students' knowledge, abilities and skills, with documenting, guiding and encouraging functions. The student's knowledge, skills, abilities, independence and activity are evaluated. In order to objectively observe the individual professional growth of the student, the assessment procedure considers the initial /initial/ state and the final /output/ result.

Among the methods of course evaluation are:

- written test, midterm written and/or oral exam, independent projects, oral surveys and interviews,

- during the evaluation, a letter and rating evaluation /100 points/ is applied, according to the components selected for the evaluation of each subject.

See the details of the assessment in the section "Assessment of knowledge of UTM students".

Assessment of the quality of student learning includes ongoing monitoring of midterm and state summative attestation of progress.

The means and technologies of assessment systems are given in the work programs of each subject in the form of tests and exams.

The basic means of the assessment system include test questions, test questions, situational problems, essay topics and other means of control, which allow to assess the degree of ability developed by the learner. The following types of control are used during study:

- Oral exams

- Written works

Each of the current progress monitoring types is distinguished by the way in which capabilities are detected:

- During the conversation between the lecturer and the student

- During the creation and verification of written materials

The oral question allows you to assess the student's horizons and knowledge, the ability to logically construct an answer, the mastery of oral speech and other skills. Written responses allow the instructor to save time, check the reasoning behind the assessment, and reduce the degree of subjective approach based on the student's individual abilities.

Each type of control is carried out with the help of certain forms, which can be the same for several types of control, for example, oral and written examination, as well as specific. Accordingly, within some forms of control, several types of it may be combined (eg, the subject examination may include both an oral and a written test). Forms of supervision are: essay, test, test work, survey, test, examination.

- Students are allowed to take the state summary certification after comprehensive study of the subjects of the professional program provided by the curriculum.
- The interdisciplinary final state certification exam is carried out in stages and includes the following mandatory certification exams:

- checking the level of mastery of practical skills,

- checking the level of theoretical training through a test exam,

- oral exam: evaluation of skills to solve specific professional problems.

Students who successfully pass the final certification are awarded a diploma on completion of the specialization. Students who fail the certification or leave the program incompletely receive a certificate with a sample set by the university.

7. Conditions for the implementation of the PEP

7.1. Personnel support for specialist training

The implementation of the PEP of specialist training is ensured by scientific and pedagogical personnel, who, as a rule, have a basic education that corresponds to the profile of the taught subject, and systematically engage in scientific and (or) scientific-methodical activities.

The share of professors with a scientific title and/or scientific degree should be no less than 50 percent of the total number of teachers providing the educational process under the given PEP program.

The professors providing the educational process of the professional education programs have basic education and at least 52 percent have scientific degrees or scientific titles corresponding to the profile of the taught subject.

A highly qualified specialist of the relevant professional field can be involved in the general management of the content of professional theoretical and practical training.

7.2. Educational and informational support of the educational process

The PEP for training a specialist is provided with educational methodical documents and materials for the subjects (modules) of all PEP training courses.

Extracurricular activities of students have methodical support and justification of the time needed for their implementation.

Each student has access to the electronic library system, which contains publications related to the main subjects being studied.

7.3. Material and technical support of educational process

The UTM, which implements the specialist training program, has the necessary material and technical base, which ensures the implementation of all types of subject and interdisciplinary training, laboratory, practical and research work of students, which are provided by the university curriculum and comply with the current sanitary and fire regulations and norms.

The University has the following material and technical support for the implementation of the PEP of specialist training.

The university uses electronic materials and has at least 30 computers connected to the Internet for the educational process. Students are provided with computer classrooms during their studies.

8. The characteristics of the socio-cultural environment ensuring the development of university students' overall educational abilities.

The Organization of educational work is reflected in the University regulations and orders, in educational plans of the University, in the annual work plans of chairs and lecturers. Internal educational acts of educational work are commands, regulations, programs, instructions, service papers and other documents that regulate educational activities.

The plan of educational work includes traditional events, taking into consideration the age and psychological peculiarities of the students, youth policy priorities, the historic memorable

dates of the country and the university, provides a variety of events aimed at students' civic and patriotic, culturalmoral, professional-labor education, science orientation, scientific-methodological support, students' social protection, improving the material-technical base of educational work.

The Student Council also implements considerable work. During the implementation of educational work, the university staff uses various workshops, individual work with students, activities of student scientific society, implementation of professional programs and projects, innovative activities, cooperation with social partners at urban, regional and interregional levels.

The university has extensive use of learning opportunities for educational purposes. Particularly, issues of moral, humanitarian and patriotic upbringing are included in humanitarian subjects' working curricula. Special courses of professional ethics are also available. There is an expressed cultural component in the educational programs of these subjects, as well as in psychology, culturology, Armenian language and speech culture.

The achievements of domestic scientists are widely mentioned during the study of subjects of natural and clinical cycles. Physical education of the students is aimed at creating a healthy lifestyle, participation in various levels (regional or national) of sports competitions and more. The University has a very effective organizational structure, which ensures the development of general cultural (social and personal) qualities of graduates.

There is a considerable potential for the organization and improvement of educational work, the ability to search for new opportunities within the framework of the structure.

9. Further Learning Opportunities

The doctor-stomatologist who has mastered 091101.00.7 "Dentistry" PEP, is ready to continue his/her studies in residency and post-graduate studies (theoretical chairs) with relevant professional programs.

I Approve
Head of Scientific Council
Rector N. Saribekyan
« 31 » 08 2020

UNIVERSITY OF TRADITIONAL MEDICINE

EDUCATIONAL PLAN

Specialty: 091101.00.7 "Dentistry"

Appendix
Professional qualification`
"Doctor- Dentist"
Duration of Education` 5 years
Integrated educational program

EDUCATIONAL PROCESS SCHEDULE

Year	September				29. - 5.	October			27. - 2.	November				December				29. - 4.	January			26. - 1.	February			23. - 1.	March				30. - 5.	April		
	1	8	15	22		6	13	20		3	10	17	24	1	8	15	22		5	12	19		2	9	16		2	9	16	13		6	13	20
	7	14	21	28		12	19	26		9	16	23	30	7	14	21	28		11	18	25		8	15	22		8	15	22	29		12	19	26
1																		//	::	::	::	//												
2																		//	::	::	::	//												
3																		//	::	::	::	//												
4																		//	::	::	::	//												
5																	::	//	::	X	X	//												

Time budget summary data / in weeks /

Year	27. - 3.	May				June				29. - 5.	July			27. - 2.	August				Theoretical education	Examination period	Educational practice	State examination	Vacation	Total
		4	11	18	25	1	8	15	22		6	13	20		3	10	17	24						
		10	17	24	31	7	14	21	28		12	19	26		9	16	23	31						
1						::	::	::	//	//	//	//	//	//	//	//	//	//	34	6			12	52
2				::	::	::	X	X	//	//	//	//	//	//	//	//	//	//	32	6	2		12	52
3				::	::	::	X	X	//	//	//	//	//	//	//	//	//	//	32	6	2		12	52
4		::	::	::	X	X	X	X	//	//	//	//	//	//	//	//	//	//	30	6	4		12	52
5						: ///	: ///	: ///											33	2	2	3	2	42
																			161	26	10	3	50	250

Theoretical education [ ] Vacation [//] State examination [: ///]

Examination period [::] Educational practice [X]

EDUCATIONAL PLAN

N	Name of the subject	Weekly workload	Credit	HOURS Including								Assessment		Weekly workload	Credit	HOURS Including								Assessment	
				Total	Auditorium	Lectures	Practical classes	Out of classes	Individual works	Consultation by the lecturer	Examination	Test	Examination			Total	Auditorium	Lectures	Practical classes	Out of classes	Individual works	Consultation by the lecturer	Examination	Test	Examination
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*	*11*	*12*	*13*	*14*	*15*	*16*	*17*	*18*	*19*	*20*	*21*	*22*	*23*	*24*	*25*	*26*
		I year																							
		I semester 17 weeks												*II semester 17 weeks*											
1.	Armenian Language	2	2	60	34		34	26	17	9		++		2	2	60	34		34	26	17	9		++	
2.	Latin	3	3	90	51		51	39	26	13		++		2	2	60	34		34	26	17	9		++	
3.	Foreign language	3	3	90	51		51	39	25	14		++		2	2	60	34		34	26	17	9		++	
4.	History of Armenia	3	3	90	51	34	17	39	26	13		++													
5.	History of Medicine													3	3	90	51	34	17	39	26	13		++	
6.	General Psychology	3	3	90	51	34	17	39	26	13		++													
7.	Medical Psychology													2	2	60	34	16	18	26	17	9		++	
8.	Mathematics and Medical informatics	3	3	90	51	18	33	39	25	14		++		2	2	60	34	16	18	26	17	9		++	
9.	Medical Physics													3	3	90	51	24	27	39	25	14		++	
10.	General Chemistry	4	4	120	68	24	44	52	34	12	6		1												
11.	Bioorganic chemistry													3	3	90	51	26	25	39	21	12	6		2
12.	Biology	5	5	150	85	26	59	65	47	12	6		1	3	3	90	51	14	37	39	21	12	6		2
13.	Human Anatomy	4	4	120	68	18	50	52	34	12	6		1	4	4	120	68	20	48	52	34	12	6		2

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
14.	Histology, embryology, cytology													4	4	120	68	18	50	52	34	18		++	
Total		*30*	*30*	*900*	*510*	*154*	*356*	*390*	*260*	*112*	*18*	*6*	*3*	*30*	*30*	*900*	*510*	*168*	*342*	*390*	*246*	*126*	*18*	*8*	*3*
		II year																							
		III semester 17 weeks												*IV semester 15 weeks*											
1.	Philosophy													3	2	60	45	34	11	15	9	6		++	
2.	Biochemistry	4	4	120	68	24	44	52	34	12	6		3	4	4	120	60	24	36	60	42	12	6		4
3.	Microbiology, Virology, Immunology	4	4	120	68	20	48	52	34	18		++		4	4	120	60	20	40	60	42	12	6		4
4.	Normal Physiology	4	4	120	68	24	44	52	34	18		++		4	4	120	60	22	38	60	42	12	6		4
5.	Histology, embryology, cytology	4	4	120	68	16	52	52	34	12	6		3												
6.	Human Anatomy	4	4	120	68	24	44	52	34	12	6		3												
7.	Pathological Anatomy													3	3	90	45	20	25	45	33	12		++	
8.	Propaedeutics of Internal Diseases													3	2	60	45	18	27	15	9	6		++	
9.	Topographic anatomy													3	2	60	45	20	25	15	9	6		++	
10.	Prevention of Dental Diseases	4	4	120	68	24	44	52	34	18		++													
11.	Science of dental materials	2	2	60	34	14	20	26	17	9		++													
12.	Propaedeutics of Therapeutic dentistry	4	4	120	68	20	48	52	34	18		++		2	2	60	30	16	14	30	12	12	6		4
13.	Propedeutics of Orthopedic Dentistry													2	2	60	30	14	16	30	18	12		++	
14.	Propedeutics of Surgical Dentistry													2	2	60	30	14	16	30	18	12		++	
Educational practice															3	90	60		60	30					
Total		*30*	*30*	*900*	*510*	*166*	*344*	*390*	*255*	*117*	*18*	*5*	*3*	*30*	*30*	*900*	*510*	*202*	*308*	*390*	*234*	*102*	*24*	*6*	*4*
		III year																							
		V semester 17 weeks												*VI semester 15 weeks*											
1.	Pathological anatomy	4	4	120	68	22	46	52	34	12	6		5												

1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*	*11*	*12*	*13*	*14*	*15*	*16*	*17*	*18*	*19*	*20*	*21*	*22*	*23*	*24*	*25*	*26*
2.	Pathological physiology	3	3	90	51	20	31	39	25	14		++		4	4	120	60	22	38	60	42	12	6		6
3.	Pharmacology	3	3	90	51	16	35	39	30	9		++		3	3	90	45	16	29	45	27	12	6		6
4.	Hygiene	3	3	90	51	24	27	39	25	14		++													
5.	Epidemiology													3	3	90	45	20	25	45	31	14		++	
6.	Propaedeutics of internal diseases	3	3	90	51	16	35	39	21	12	6		5												
7.	Internal diseases													3	2	60	45	18	27	15	9	6		++	
8.	General surgery	3	3	90	51	20	31	39	21	12	6		5												
9.	Surgical diseases													3	3	90	45	20	25	45	27	18		++	
10.	Radiological diagnosis													3	3	90	45	24	21	45	33	12		++	
11.	Dermatovenereological diseases	3	3	90	51	24	27	39	25	14		++													
12.	Therapeutic dentistry	3	3	90	51	12	39	39	25	14		++		4	3	90	60	12	48	30	12	12	6		6
13.	Surgical dentistry	3	3	90	51	12	39	39	25	14		++		4	3	90	60	14	46	30	12	12	6		6
14.	Orthopedic dentistry	2	2	60	34	8	26	26	17	9		++		3	3	90	45	12	33	45	33	12		++	
Educational practice															3	90	60		60	30					
Total		*30*	*30*	*900*	*510*	*174*	*336*	*390*	*248*	*124*	*18*	*7*	*3*	*30*	*30*	*900*	*510*	*176*	*334*	*390*	*195*	*111*	*24*	*5*	*4*
		IV year																							
		VII semester 17 weeks												*VIII semester 13 weeks*											
1.	Public health and healthcare													3	2	60	39	20	19	21	15	6		++	
2.	Phytotherapy in dentistry													3	2	60	39	18	21	21	15	6		++	
3.	Internal diseases	1	1	30	17	6	11	13	10	3		++													

1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*	*11*	*12*	*13*	*14*	*15*	*16*	*17*	*18*	*19*	*20*	*21*	*22*	*23*	*24*	*25*	*26*
4.	Clinical pharmacology	2	2	60	34	12	22	26	14	6	6		7												
5.	Diseases of the nose, throat, ear	3	3	90	51	20	31	39	26	13		++													
6.	Immunology and Allergology	2	2	60	34	18	16	26	17	9		++													
7.	Neurology	3	3	90	51	18	33	39	21	12	6		7												
8.	Infectious diseases	3	3	90	51	24	27	39	26	7	6		7												
9.	Ophthalmologic diseases	2	2	60	34	16	18	26	17	9		++													
10.	Obstetrics													4	3	90	52	24	28	38	20	12	6		8
11.	Pediatrics	2	2	60	34	20	14	26	17	9		++													
12.	Emergency medicine													3	2	60	39	20	19	21	15	6		++	
13.	Therapeutic dentistry	4	4	120	68	16	52	52	40	12		++		5	4	120	65	22	43	55	37	12	6		8
14.	Surgical dentistry	4	4	120	68	16	52	52	38	14		++		4	3	90	52	18	34	38	20	12	6		8
15.	Orthopedic dentistry	4	4	120	68	10	58	52	38	14		++		4	4	120	52	10	42	68	50	12	6		8
16.	Pediatric therapeutic dentistry													2	2	60	26	8	18	34	25	9		++	
17.	Orthodontics and pediatric dentistry													2	2	60	26	12	14	34	25	9		++	
Educational practice															6	180	120		120	60					
Total		*30*	*30*	*900*	*510*	*194*	*316*	*390*	*252*	*120*	*18*	*8*	*3*	*30*	*30*	*900*	*510*	*152*	*358*	*390*	*167*	*79*	*24*	*5*	*4*

		V year																							
		IX semester 16 weeks												*X semester 17 weeks*											
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*	*11*	*12*	*13*	*14*	*15*	*16*	*17*	*18*	*19*	*20*	*21*	*22*	*23*	*24*	*25*	*26*
1.	Acupuncture in dentistry	2	2	60	32	22	10	28	19	9		++													
2.	Anesthesia and resuscitation													3	2	60	51	16	35	9	5	4		++	
3.	Psychiatry													2	2	60	34	16	18	26	17	9		++	
4.	Physiotherapy in dentistry													3	2	60	51	12	39	9	5	4		++	
5.	Forensic medicine	2	2	60	32	16	16	28	19	9		++													
6.	Therapeutic dentistry	6	4	120	96	22	74	24	18	6		++		6	6	180	102	22	80	78	51	27		++	10
7.	Surgical dentistry	6	6	180	96	30	66	84	57	21	6		9	3	3	90	51	16	35	39	30	9		++	10
8.	Maxillofacial surgery	3	2	60	48	12	36	12	8	4		++		3	3	90	51	12	39	39	30	9		++	
9.	Orthopedic dentistry	4	4	120	64	12	52	56	38	12	6		9	4	3	90	68	12	56	22	16	6		++	10
10.	Pediatric therapeutic dentistry	2	2	60	32	8	24	28	19	9		++		2	2	60	34	8	26	26	17	9		++	
11.	Pediatric surgical dentistry	2	2	60	32	8	24	28	19	9		++		2	2	60	34	12	22	26	17	9		++	
12.	Orthodontics and pediatric dentistry	3	3	90	48	12	36	42	24	12	6		9											++	
13.	Genetically determined diseases													2	2	60	34	14	20	26	17	9		++	

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
Educational practice		3	90	60		60	30				++													
* Final attestation														3	90				90	60		30		
Total	*30*	*30*	*900*	*540*	*142*	*398*	*360*	*221*	*91*	*18*	*7*	*3*	*30*	*30*	*900*	*510*	*140*	*370*	*390*	*265*	*95*	*30*	*11*	*3*
Additional elective courses																								
	II Year																							
	III semester 17 weeks												*IV semester 15 weeks*											
1. Bioethics													3	2	60	45	22	23	15				++	
- Modern stomatological chemicals																								
	III year																							
	V semster 17 weeks												*VI semester 15 weeks*											
2. Basics of a healthy lifestyle													3	2	60	45	24	21	15				++	
- Organization of dental services																								

	IV year																							
	VII semester 17 weeks												*VIII semester 13 weeks*											
3. Congenital defects of teeth													3	2	60	39	12	27	21				++	
- Modern technologies in aesthetic dentistry																								
Optional course																								
1. Physical education	4						136						4						128					

EDUCATIONAL PRACTICE

▪	Nurse Assistant	3 credits	90 hours	II year	4th semester
▪	Doctor-Dentist's Assistant /Therapist/	3 credits	90 hours	III year	6th semester
▪	Doctor-Dentist's Assistant / Surgeon /	3 credits	90 hours	IV year	8th semester
▪	Doctor-Dentist's Assistant / Orthopedist /	3 credits	90 hours	IV year	8th semester
▪	Pediatric Dentist's Assistant	3 credits	90 hours	V year	9th semester
Total		***15 credits***	***450 hours***		

*** Final Attestation**

1. Therapeutic Dentistry and Pediatric Therapeutic Dentistry
2. Surgical Dentistry and Pediatric Surgical Dentistry
3. Orthopedic Dentistry and Orthodontics

Note 1. Practical classes of clinical subjects are conducted in relevant clinics.
2. Educational practices are planned to be held in clinics in the form of shifts or cycles, which end with an examination.

Appendix

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« 31 » 08 2020

091101.00.7-Map of the results of the main modules of the continuous-integrated educational program of "Dentistry" profession

Formulation of general end-results

N		GE-1	GE-2	GE-3	GE-4
1.	Armenian language				x
2.	History of Armenia				x
3.	Philosophy	x			
4.	Latin				x
5.	History of medicine	x			
6.	General psychology	x	x		x
7.	Medical psychology		x	x	
8.	Foreign language				x
9.	Medical physics	x			
10.	Mathematics and medical informatics	x			
11.	General chemistry	x			
12.	Bioorganic chemistry	x			
13.	Biology	x			
14.	Biochemistry	x			
15.	Human Anatomy				
16.	Topographic anatomy	x	x	x	x
17.	Normal physiology	x			
18.	Microbiology, virology, immunology	x			
19.	Immunology and allergology	x	x		
20.	Histology, embryology, cytology				
21.	Pathological anatomy	x			
22.	Pathological physiology	x			
23.	Pharmacology	x	x	x	
24.	Epidemiology		x		
25.	Hygiene	x			
26.	Public health and healthcare	x			
27.	Propaedeutics of Internal Diseases	x			
28.	Internal diseases	x	x	x	
29.	Clinical pharmacology	x	x	x	
30.	General surgery		x	x	

N		GE-1	GE-2	GE-3	GE-4
31.	Surgical diseases	x	x		
32.	Anesthesia and resuscitation				
33.	Radiological diagnosis	x			
34.	Neurology	x			
35.	Ophthalmologic diseases				
36.	Diseases of the nose, throat, ear				
37.	Dermatovenereological diseases				
38.	Infectious diseases				
39.	Psychiatry		x	x	
40.	Forensic medicine	x	x		
41.	Obstetrics	x			
42.	Pediatrics	x			
43.	Emergency medicine		x	x	x
44.	Propaedeutics of therapeutic dentistry	x			
45.	Prevention of dental diseases				
46.	Therapeutic dentistry	x			
47.	Phytotherapy in dentistry				
48.	Acupuncture in dentistry	x			
49.	Physiotherapy in dentistry				
50.	Propedeutics of surgical dentistry	x			
51.	Surgical dentistry	x			
52.	Maxillofacial surgery				
53.	Science of dental Materials	x			
54.	Propedeutics of orthopedic dentistry	x			
55.	Orthopedic dentistry	x			
56.	Pediatric therapeutic dentistry				
57.	Pediatric surgical dentistry				
58.	Orthodontics and pediatric dentistry				
59.	Genetically determined diseases	x			
Additional optional courses					
1.	Bioethics				
2.	Basics of healthy lifestyle	x	x		x
3.	Teeth Congenital Disorders	x			
Optional course					
1.	Physical Training				

Formation of general professional end-results

N		GPE-1	GPE -2	GPE -3	GPE -4	GPE-5	GPE -6	GPE -7	GPE -8	GPE -9
1.	Armenian language	x	x			x				
2.	History of Armenia									
3.	Philosophy			x						
4.	Latin	x	x							
5.	History of medicine	x								
6.	General psychology			x	x					
7.	Medical psychology			x						
8.	Foreign language	x	x			x				
9.	Medical physics						x			x
10.	Mathematics, medical informatics	x				x	x			
11.	General chemistry						x			
12.	Bioorganic chemistry						x			
13.	Biology	x					x			
14.	Biochemistry						x		x	
15.	Human Anatomy	x					x		x	
16.	Topographic anatomy	x			x			x	x	x
17.	Normal physiology	x					x		x	
18.	Microbiology, virology, immunology	x							x	
19.	Immunology and allergology	x							x	
20.	Histology, embryology, cytology	x					x		x	
21.	Pathological anatomy	x		x		x			x	
22.	Pathological physiology	x					x		x	
23.	Pharmacology	x				x		x		
24.	Epidemiology				x	x				
25.	Hygiene						x			
26.	Public health and healthcare					x				
27.	Propaedeutics of Internal Diseases				x	x				x
28.	Internal diseases	x			x			x	x	
29.	Clinical pharmacology	x			x			x	x	
30.	General surgery				x				x	x
31.	Surgical diseases				x			x	x	x
32.	Anesthesia and resuscitation			x	x		x	x	x	x
33.	Radiological diagnosis	x			x	x				x
34.	Neurology				x			x	x	
35.	Eye diseases	x			x	x	x	x	x	x
36.	Diseases of the nose, throat, ear	x			x	x	x	x	x	x
37.	Dermatovenereological diseases				x			x	x	
38.	Infectious diseases				x			x	x	
39.	Psychiatry			x	x			x		
40.	Forensic medicine	x		x	x	x	x		x	
41.	Obstetrics	x			x	x	x	x	x	x

N		GPE-1	GPE -2	GPE -3	GPE -4	GPE-5	GPE -6	GPE -7	GPE -8	GPE -9
42.	Pediatrics			x	x	x	x	x	x	x
43.	Emergency medicine			x				x		
44.	Propaedeutics of therapeutic dentistry	x		x	x	x	x	x	x	x
45.	Prevention of dental diseases					x			x	
46.	Therapeutic dentistry	x			x	x	x	x	x	x
47.	Phytotherapy in dentistry	x			x			x	x	
48.	Acupuncture in dentistry	x			x				x	x
49.	Physiotherapy in dentistry				x			x		x
50.	Propedeutics of surgical dentistry	x		x	x	x	x	x	x	x
51.	Surgical dentistry	x			x	x	x	x	x	x
52.	Maxillofacial surgery	x			x	x		x	x	x
53.	Science of dental Materials	x			x		x	x		x
54.	Propedeutics of orthopedic dentistry	x		x	x	x	x	x	x	x
55.	Orthopedic dentistry	x	x	x	x	x		x	x	x
56.	Pediatric therapeutic dentistry					x		x	x	
57.	Pediatric surgical dentistry					x		x	x	
58.	Orthodontics and pediatric dentistry			x	x					
59.	Genetically determined diseases	x							x	
Additional optional courses										
1.	Bioethics			x						
2.	Basics of healthy lifestyle								x	
3.	Teeth Congenital Disorders			x	x					
Optional course										
1.	Physical Training									

Formation of professional end-results

N		PE-1	PE-2	PE-3	PE-4	PE-5	PE-6	PE-7	PE-8	PE-9	PE-10	PE-11	PE-12	PE-13
1.	Armenian language													
2.	History of Armenia													
3.	Philosophy													
4.	Latin													
5.	History of medicine													
6.	General psychology													
7.	Medical psychology	x		x	x	x		x						
8.	Foreign language													
9.	Medical physics													
10.	Mathematics, medical informatics													
11.	General chemistry													
12.	Bioorganic chemistry													
13.	Biology													
14.	Biochemistry													
15.	Human Anatomy													
16.	Topographic anatomy													
17.	Normal physiology													
18.	Microbiology, virology, immunology	x											x	
19.	Immunology and allergology													
20.	Histology, embryology, cytology													
21.	Pathological anatomy			x	x								x	
22.	Pathological physiology	x			x								x	
23.	Pharmacology								x					
24.	Epidemiology	x	x					x				x	x	x
25.	Hygiene	x							x	x			x	x
26.	Public health and healthcare												x	x
27.	Propaedeutics of Internal Diseases	x												
28.	Internal diseases	x									x		x	
29.	Clinical pharmacology	x									x		x	
30.	General surgery													
31.	Surgical diseases	x						x						x
32.	Anesthesia and resuscitation													
33.	Radiological diagnosis			x	x									
34.	Neurology	x		x	x									
35.	Eye diseases							x			x			
36.	Diseases of the nose, throat, ear	x										x		
37.	Dermatovenereological diseases								x		x			
38.	Infectious diseases													
39.	Psychiatry													
40.	Forensic medicine				x									
41.	Obstetrics	x												
42.	Pediatrics	x								x	x	x		

N		PE-1	PE-2	PE-3	PE-4	PE-5	PE-6	PE-7	PE-8	PE-9	PE-10	PE-11	PE-12	PE-13
43.	Emergency medicine							x						x
44.	Propaedeutics of therapeutic dentistry		x	x		x						x	x	x
45.	Prevention of dental diseases	x	x	x	x	x	x			x	x			
46.	Therapeutic dentistry	x		x	x	x	x		x	x	x	x	x	
47.	Phytotherapy in dentistry	x				x			x					x
48.	Acupuncture in dentistry	x				x								x
49.	Physiotherapy in dentistry					x			x			x		x
50.	Propedeutics of surgical dentistry			x		x								x
51.	Surgical dentistry		x	x	x	x	x		x					x
52.	Maxillofacial surgery			x	x	x	x		x					x
53.	Science of dental Materials												x	
54.	Propedeutics of orthopedic dentistry			x		x								x
55.	Orthopedic dentistry	x	x	x	x	x	x					x		
56.	Pediatric therapeutic dentistry	x	x	x	x	x	x							
57.	Pediatric surgical dentistry	x	x	x	x	x	x		x					
58.	Orthodontics and pediatric dentistry	x		x	x	x	x			x	x	x	x	x
59.	Genetically determined diseases	x		x	x	x					x	x		
Additional optional courses														
1.	Bioethics													
2.	Basics of healthy lifestyle	x										x		
3.	Teeth Congenital Disorders	x		x	x	x	x			x	x	x	x	x
Optional course														
1.	Physical Training													

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« 31 » 08 2020

Appendix

091101.00.7- RESULTS OF THE PROFESSIONAL EDUCATIONAL PROGRAMS OF THE SPECIALTY "DENTISTRY"

AND COMPATIBILITY OF THE SCOPES OF RA NSO

The end-results of the UTM	Frameworks of RA NQF																							
	Level 6 (Bachelor)											Level 7 (Master's)												
	K1	P1	P2	P3	P4	P5	P6	A1	A2	A3	A4	K1	K2	P1	P2	P3	P4	P5	A1	A2	A3	A4	A5	A6
GE-1			+			+							+				+	+						
GE-2									+		+			+					+					
GE-3									+					+					+					
GE-4			+						+		+										+			
GPE -1				+										+		+	+							
GPE -2			+												+									
GPE -3		+	+												+						+			
GPE -4					+	+						+	+			+	+			+		+		
GPE -5				+					+						+	+					+			
GPE -6	+				+								+				+							
GPE -7	+	+					+	+				+	+					+						
GPE -8	+	+	+		+	+		+				+	+											
GPE -9	+	+						+				+	+	+		+								

	K1	P1	P2	P3	P4	P5	P6	A1	A2	A3	A4	K1	K2	P1	P2	P3	P4	P5	A1	A2	A3	A4	A5	A6
PE-1	+				+	+	+	+				+	+		+		+	+						
PE-2	+		+		+			+				+	+	+				+		+				
PE-3	+	+		+	+	+		+				+	+				+							
PE-4	+	+	+	+	+	+		+				+	+				+	+				+		
PE-5	+	+	+		+	+	+	+				+	+					+		+				
PE-6	+	+	+		+	+		+				+	+				+					+		
PE-7	+	+			+	+		+	+			+	+		+	+	+		+					
PE-8	+		+					+				+	+				+					+		
PE-9	+		+	+	+	+		+	+			+	+		+			+		+				
PE-10	+		+	+				+				+	+		+					+				
PE-11	+		+	+	+	+						+	+		+					+				
PE-12	+	+	+	+	+	+	+	+				+	+	+		+		+		+				
PE-13	+	+	+	+	+	+	+	+				+	+	+	+	+		+		+				

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Appendix

EDUCATIONAL PROGRAMS OF THE SPECIALTY "DENTISTRY"

COURSE DESCRIPTION

NAME OF THE COURSE	**ARMENIAN LANGUAGE**		
TYPE OF COURSE	Mandatory		
EDUCATIONAL LEVEL	CONTINUOUS AND INTEGRATED EDUCATIONAL PROGRAM		
THE FORM OF TRAINING	Full time		
PROFESSION	Dentist		
FACULTY	Dentistry		
COURSE	I	SEMESTER	I, II
ACADEMIC YEAR	2020-2021		

CREATOR	Anahit Karapetyan Amalya Grigoryan Tatevik Khachatryan
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CHAIR	Humanitarian subjects
CLINICAL BASE	-
HEAD OF CHAIR	PhD Tatevik Karapetyan

COURSE VOLUME

Year	Semester	Credit	Academic week	Weekly hour	Total hour	Total class. hour	Lecture hour	Pract. Lab. hour	Individual work hour	Lecturers' consultation	Examination	Test
I	I	2	17	2	60	34	-	34	17	9	-	+
	II	2	17	2	60	34	-	34	17	9	-	+
Total		**4**	**34**	**4**	**120**	**68**	**-**	**68**	**34**	**18**	-	

1. PRECONDITION. As a basis for mastering the course, you need the following knowledge, skills and abilities, which have been developed through the school curriculum:

Knowledge:

1 Grammatical knowledge of the native and foreign languages formed at school.

Abilities:

1. Combining the grammar knowledge of the mother tongue with the grammar system of the language being taught.
2. Perception of lexical, structural commonalities and differences between native and foreign languages.
3. Comparison of communication opportunities in mother tongues and foreign languages.

Possessions:

1. Ability to apply the acquired knowledge in written and oral speech.

2. BRIEF CONTENT OF THE COURSE

The study of the Armenian language takes place in two stages: the" initial course "stage begins with the study and includes a subsection "related written and oral word", secondly, at the" basic course" stage, linguistic and grammatical realities are taught more systematically, contributing to the deepening of knowledge acquired already at the initial course, the development of communication capabilities and skills.

3. GOAL AND OBJECTIVES OF THE COURSE

The goal of the course is to teach the sound-letters of the modern Armenian alphabet, to form the initial abilities to read and write, to further study the necessary syntactic knowledge that contributes to the compilation of oral and written-related speech, to develop oral speech through text works-text texts, conversations, dialogues, to gradually develop a cooperative and medical-scientific vocabulary.

4. EDUCATIONAL FINAL RESULTS. At the end of the course, the student should

Know:

K1. The alphabet of the Armenian language, literate signs of sounds (uppercase and lowercase, handwritten and printed), the phonetic system of the Armenian language, concerning the spelling of vowels and consonants.

K2. Types of words by composition, form and meaning, the minimum vocabulary necessary for communication: a) necessary words related to the educational process, b) action, words denoting an attribute of the subject, c) a phrase concerning everyday life.

K3. With the help of text works-real texts, conversations, dialogues-to develop oral speech, gradually develop vocabulary, strengthen language knowledge.

K4. The main elements of admixtures of oblique parts of speech, the practical application of uneven parts of speech.

K5. Sentence structure, ways of conjugating the words that make up the sentence, short and extensive, simple and complex sentences, types of sentences for the purpose of communication (narrative, interrogative, imperative and exclamation), their punctuation, basic terms and terminological connections related to professional courses, structures inherent in the scientific style, language realities.

Be able to

A1. Distinguish by hearing the sounds of the Armenian language and consonants.

A2. Recognize the components of a word. Synonyms with high frequency, the use of antonyms in speech as needed.

A3. Correctly apply the inclined forms of the nominal and verbal systems, independently build a coherent word.

A4. Perceive the syntactic structure of the Armenian language, compose small texts, summarize the text read, build dialogues while observing the syntactic rules of the Armenian language.

A5. Read, understand and reproduce simple professional texts from simple sentences, highlighting professional words and phrases, make sentences with them.

A6. Acquire and use the necessary information materials from various written sources (dictionary, encyclopedia, press, reference books, Internet, etc.).

Possess:

P1. Self-expression in appropriate situations, grammatically correct construction of sentences and the skills of correct handling.

P2. The ability to use a dictionary, an encyclopedia, reference literature, as well as printed and electronic sources, the ability to read popular science, professional literature, and the ability to rewrite what you read.

5. LITERATURE

1. Chair material
2. V. Gevorkian, East Armenian Course, Yerevan, 2000.
3. Dora Sakayan, Eastern Armenia, For the English Speaking World, YSU Press, 2007:
4. Գուրգեն Գևորգյան, Արտակ Գալստյան, «Անգլերեն-հայերեն առավել գործածական բժշկական բառեր և բառակապակցություններ», Երևան, «Արեգ», 2005թ.:
5. Աստղիկ Ավետիսյան, «Պատկերազարդ հայոց լեզու» (անգլախոս ուսանողների ուսուցման սկզբնափուլ), Երևան, 2004թ.:
6. Լ.Կ. Մուրադյան, «Սովորում ենք գրել, կարդալ, խոսել հայերեն», (անգլախոս ուսանողների համար, ուսուցման սկզբնական փուլ), Երևան, 2011թ.:
7. Ա. Շ. Ավետիսյան, «Հայոց լեզու» (Ձեռնարկ անգլախոս ուսանողների համար), Տեքստեր և վարժություններ, Երևան, 2004թ.:
8. «Հայոց լեզու», ԵՊԲՀ Ա.Գ. Ավետիսյանի խմբագրությամբ, ուսումնական ձեռնարկ, Երևան, 2009:

6. ASSESSMENT COMPONENTS	POINT
Attendances	16
Assessment of knowledge acquisition, abilities and skills	70
Independent individual work	14

7. EVALUATION SYSTEM / RATING / SYSTEM

Mark	Assessment Point	Assessment letter
"Excellent"	96-100 90-95	A+ A
"Good"	80-89 70-79	B+ B
"Satisfactory"	60-69 51-59	C+ C
"Unsatisfactory"	50 and below	D
"Tested"	≥51	S
"Untested"	< 51	U

NAME OF THE COURSE	**LATIN**		
TYPE OF COURSE	Mandatory		
EDUCATIONAL LEVEL	Continuous and integrated educational program		
THE FORM OF TRAINING	Full time		
PROFESSION	Dentist		
FACULTY	Dentistry		
COURSE	I	Semester	I, II
ACADEMIC YEAR	2020-2021		

CREATOR	Viktorya Tumanyan, Zhanna Hakobyan, Kristina Mezhlumyan
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CHAIR	Humanitarian subjects
CLINICAL BASE	-
HEAD OF CHAIR	PhD Tatevik Sedrak Karapetyan

COURSE VOLUME

Year	Semester	Credit	Academic week	Weekly hour	Total hour	Total class. hour	Lecture hour	Pract. Lab. hour	Individual work hour	Lecturers' consultation	Examination	Test
I	I	3	17	3	90	51		51	26	13		+
	II	3	17	3	90	51		51	21	18		+
Total		**6**	**34**	**6**	**180**	**102**		**102**	**47**	**31**		

1. PRECONDITION. As a basis for mastering the course, you need the following knowledge, skills and abilities, which have been developed through the school curriculum:

Knowledge

1. sufficient knowledge of English grammar (phonetics, lexicology, morphology, syntax)
2. anatomical vocabulary
3. communication in native and foreign languages

Abilities

1. understand and analyze grammatical materials
2. compare English with Latin
3. draw comparisons between English and Latin
4. ability of doing individual work and the right management of the time
5. ability of improving
6. ability of critical thinking and studying of scientific literature

Possessions

1. social skills
2. cultural competence
3. team work

4. oral communication
5. moral responsibility towards the person and the others
6. endurence and adaptation

2. BRIEF CONTENT OF THE COURSE

The course includes the teaching of anatomical, histological, pharmacological, pathological and clinical terms. The course will enable foreign students to get acquainted with the active vocabulary used in anatomy, as well as the pathological and clinical terms formed on the base of Latin and Greek bilingualism, which promote the students' attainment of residual knowledge, which later enables to get acquainted with medical literatute in a foreign language, as almost all European (except German which prioritize the native-formed terms, rather than international ones) and western medical literature uses merely Greek-Latin terms.

3. GOAL AND OBJECTIVES OF THE COURSE

3.1. The goal of the course

To teach Greek-Latin anatomical, clinical and pharmaceutical medical terms.

3.2. Course objectives

- Introduce the content of the word-formation of medical terms.
- To design the abilities of reading and writing.
- To teach a new vocabulary to form new narrow professional terms in future.

4. EDUCATIONAL FINAL RESULTS. At the end of the course the student should:

Know

K1. Latin grammar.

K2. Latin and Greek prefixes and suffixes, word-forming elements.

K3. Latin (Greek) terminology according to the international anatomical vocabulary.

K4. The translations and shortenings of recipes.

K5. Pathological, clinical, stomatological, pharmaceutical terminology.

Be able to

A1. To make use of academic, scientific, public literature for the professional activity

Possess

P1. The skills of formation of Latin terms, the skills of the use of medical terminology during the teaching of professional courses.

P2. Medical vocabulary and the grammatical nuances used in medicine.

P3.The abilities to communicate with foreign doctors on professional level.

5. LITERATURE

1. Chair material.
2. Balabanyan V.M., Stepanyan N.S. "Latin manual for first year foreign medical students", Yerevan, 2008, YSMU after M. Heratsi.
3. Banay G., "An introduction of medical terminology. Greek and Latin derivations", Worcester.
4. Budzowska M. "Medical Latin Course", Todz, 2007, www.pbs.org
5. Frantisek Simon, "The history of Latin teeth names", Slovakia,2015.
6. Kondratev D., Yylegzanina O., Knyazeva J. "Latin and fundamentals of medical terminology for medical students", Grodno, 2005, ISBN 985-496-063-3.
7. Katarzyna Joskovska, Zenon Grabarczyk. "Greek and Latin in medical terminology". 2013. ISSN 2300-5432.
8. Առաքելյան Հ.Թ., Բալաբանյան Վ.Մ., Տիրացյան Գ.Գ., Ստեփանյան Ն.Ս. «Լատիներեն լեզու և բժշկական տերմինաբանություն» Երևան, 2008, ISBN 978-99941-40-59-6.
9. Чернявский М. Н. «Латинский язык и основы медицинской терминалогии». МОСКВ,

2007.

6. ASSESSMENT COMPONENTS	POINT
Attendances	16
Assessment of knowledge acquisition, abilities and skills	70
Independent individual work	14

7. ASSESSMENT SYSTEM /RATING / SYSTEM

Mark	Assessment Point	Assessment letter
"Excellent"	96-100 90-95	A+ A
"Good"	80-89 70-79	B+ B
"Satisfactory"	60-69 51-59	C+ C
"Unsatisfactory"	50 and below	D
"Tested"	≥51	S
"Untested"	< 51	U

NAME OF THE COURSE	**FOREIGN LANGUAGE, ENGLISH**		
TYPE OF COURSE	Mandatory		
EDUCATIONAL LEVEL	CONTINUOUS AND INTEGRATED EDUCATIONAL PROGRAM		
THE FORM OF TRAINING	Full time		
PROFESSION	Dentist		
FACULTY	Dentistry		
COURSE	I	Semester	I, II
ACADEMIC YEAR	2020-2021		

CREATOR	PhD Tatevik Karapetyan PhD Tatevik Simonyan
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CHAIR	Humanitarian subjects
CLINICAL BASE	-
HEAD OF CHAIR	PhD Tatevik Karapetyan

COURSE VOLUME

Year	Semester	Credit	Academic week	Weekly hour	Total hour	Total class. hour	Lecture hour	Pract. Lab. hour	Individual work hour	Lecturers' consultation	Examination	Test
I	I	3	17	3	90	51	-	51	25	14		+
	II	2	17	2	60	34	-	34	17	9		+
Total		**5**	**34**	**5**	**150**	**85**	**-**	**85**	**42**	**23**		

1. PRECONDITION. As a basis for mastering the course, you need the following knowledge, skills and abilities, which have been developed through the school curriculum:

Knowledge:

1. Sufficient knowledge of English,
2. Perception of lexical, structural similarities and differences of native and foreign languages,
3. Comparison of communication opportunities in native and foreign languages.

Abilities:

1. understand and analyze grammatical materials in the native language,
2. to combine the mother tongue with English,
3. make comparisons between the mother tongue and English,
4. free oral-written communication in English,
5. ability to do independent work and proper time management,
6. ability to improve,
7. ability to study critical thinking, reasoning, scientific literature.

Possessions:

1. social skills,
2. cultural competence,
3. team work,
4. verbal communication,
5. moral responsibility towards the person and others,
6. durability and adaptability.

2. BRIEF CONTENT OF THE COURSE

The course is aimed at developing the humanitarian thinking of future doctors, as a result of which students outside the language can differentiate the patient's behavior and reactions, to develop and strengthen joint work with future partners in the medical team, in particular, in the volume of oral presentations and research work (present and / or publish research results), intercultural awareness and communication (communication with patients).

3. GOAL AND OBJECTIVES OF THE COURSE

3.1. The goal of the course

The goal of the course is to develop students' oral skills, to deepen their grammar knowledge, to enrich their vocabulary, to develop the skills of speaking-listening, choosing and applying professional terms and terminological connections correctly, analyzing and reproducing available professional texts.

3.2. Course objective

- Conduct a variety of English speaking activities with students, improving the accuracy and clarity of spoken language,
- Develop students' listening ability through thematic audio-video materials,
- Improve reading skills,
- Strengthen the grammar of the language in practice.

4. EDUCATIONAL FINAL RESULTS. At the end of the course the student should:

Know

K1. general and basic professional vocabulary templates,

K2. parts of speech, sentence parts, syntax of simple and complex sentences,

K3. doctor-patient and doctor-colleagues communication skills,

Be able to

A1.translate, reproduce special medical texts with a dictionary and without dictionary,

A2.convey the general content of English texts,

A3.conduct everyday and professional conversations,

A4. write personal and business letters,

A5.compose the correct word (oral, written) following the rules of speech culture,

A6.orient themselves in different situations of socio-cultural communication.

Possess

P1. English as a means of intercultural communication,

P2. professional and non-technical vocabulary,

P3. professional oral and written speech, and their nuances.

5. LITERATURE

1. Chair material
2. MacCarter S., Oxford English for Careers: Medicine 1, ISBN: 978-0-19-402300-9, 2013.
3. MacCarter S., Oxford English for Careers: Medicine 2, ISBN: 978-0-19-456956-9, 2014.
4. Sean O. Henderson, Emergency Medicine, ISBN: 1-57059-668-9, Copyright ©2006 Landes Bioscience, Georgetown, Texas, U.S.A.
5. Murphy, R., Essential Grammar in Use, Cambridge University Press 2015.
6. Thomson A., Martinet A. “A Practical English Grammar”, oxford University Press.

6. ASSESSMENT COMPONENTS	POINT
Attendances	16
Assessment of knowledge acquisition, abilities and skills	70
Independent individual work	14

7. ASSESSMENT SYSTEM /RATING / SYSTEM

Mark	Assessment Point	Assessment letter
"Excellent"	96-100 90-95	A+ A
"Good"	80-89 70-79	B+ B

"Satisfactory"	60-69 51-59	C+ C
"Unsatisfactory"	50 and below	D
"Tested"	≥51	S
"Untested"	< 51	U

NAME OF THE COURSE	**HISTORY OF MEDICINE**		
TYPE OF COURSE	Mandatory		
EDUCATIONAL LEVEL	CONTINUOUS AND INTEGRATED EDUCATIONAL PROGRAM		
THE FORM OF TRAINING	Full time		
PROFESSION	Dentist		
FACULTY	Dentistry		
COURSE	I	Semester	II
ACADEMIC YEAR	2020-2021		

CREATOR	PhD Donara Karapetyan, Lilit Sukiasyan
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E-MAIL	Lilit.sukiasyan@inbox.ru

CHAIR	Humanitarian subjects
CLINICAL BASE	-
HEAD OF CHAIR	PhD Tatevik Karapetyan

COURSE VOLUME

Year	Semester	Credit	Academic week	Weekly hour	Total hour	Total class. hour	Lecture hour	Pract. Lab. hour	Individual work hour	Lecturers' consultation	Examination	Test
I	II	3	17	3	90	51	34	17	26	13		+
Total		**3**	**17**	**3**	**90**	**51**	34	17	**26**	**13**		

1. PRECONDITION. As a basis for mastering the course, you need the following knowledge, skills and abilities, which have been developed through the school curriculum:

Knowledge:

1. prominent discoveries in the science of biology, the role of biological science in shaping the modern naturalistic picture of the world,
2. on the structure, types and forms of governance of the patterns of development of human society.

Abilities:

7. analyze biological phenomena and patterns of natural processes,
8. distinguish the peculiarities of the development of human society in different periods.

Possessions:

7. to work with biological literature, lecture summaries.

2. BRIEF CONTENT OF THE COURSE

The course "History of Medicine" examines the stages of the historical development of medicine, the diseases that are common in different eras, the peculiarities of the development of medicine, depending on the religious considerations and the region.

3. GOAL AND OBJECTIVES OF THE COURSE

3.1. The goal of the course

The goal of the course is to raise the level of general and professional knowledge of the student, playing a very important role in preparing the future doctor, teaching the history of medicine, helping students to enter the professional world.

3.2. Course objective

1. During the lectures and practical lessons, study the history of medicine of all the peoples of the world, from the earliest times to the present day.
2. Get acquainted (gain, obtain) with present-day techniques that came from World Medical Schools.
3. Teaching the moral principles of the most important medical humanists - Hippocrates, Galen, Ibn Sina, Ar-Razi, Mkhitar Heratsi, Amirdovlat Amasiatsi and others - contributed to the improvement of the moral image of the young doctor.

4. EDUCATIONAL FINAL RESULTS. At the end of the course the student should:

Know:

K1. the long journey of medicine from antiquity to the present day, the history of medical systems and medical schools, their founders, the development of Armenian medicine and flourishing periods, the life of famous Armenian doctors, the role of the latter in the development of world medicine,

Be able to

A1. use educational, scientific, popular literature and the Internet for professional activities,

A2. demonstrate a competent approach to the practice of medical practice during scientific discussions on the history of medicine,

A3. when communicating with patients, apply knowledge gained from medical history, medical ethics, and culture acquired through study,

Possess:

P1. skills in working with sources.

5. LITERATURE

1. Chair material.
2. Հայաստանի Բժշկության Պատմություն, դասագիրք/ Ս. Վարդանյան, Երևան, 2000;
3. Բժշկության Պատմություն, դասագիրք/ Յ. Լիսիցին, Մոսկվա, 2015.
4. Աբուսայիդ.Յաղագս կազմութեան մարդոյ,քննական բնագիրը,ռուսերեն թարգմանությունը և առաջաբանը Ս.Վարդանյանի,Երևան,1974
5. Ամիրդովլաթ Ամասիացի.Անգիտաց անպէտ,խմբ. Կ. Բասմաջյանի,Վիեննա,1926:
6. Ասար Սեբաստիացի.Գիրք բժշկական արհեստի,աշխ. Դ.Կարապետյանի, Երևան, 1993:
7. Գրիգոր Նարեկացի. Տեսուրիւն ի մարդոյն կազմութիւն,քննական բնագիրը, առաջաբանը և ծանոթագրությունները Ստելլա վարդանյանի, Էջմիածին, 2008:
8. Гипократ. Избраные книги, Москва, 1936,
9. Иба Сина. Канон врачебной науки в 5 томах, Ташкент,
10. Porter Roy. The Greatest benefit to Mankind. A Medical History of Humanity, New York, London,1998,
11. Singer Ch., Underwood A. A short History of medicine, Oxford, 1962

6. ASSESSMENT COMPONENTS	POINT
Attendances	16
Assessment of knowledge acquisition, abilities and skills	70
Independent individual work	14

7. ASSESSMENT SYSTEM /RATING / SYSTEM		
Mark	Assessment Point	Assessment letter
"Excellent"	96-100 90-95	A+ A
"Good"	80-89 70-79	B+ B
"Satisfactory"	60-69 51-59	C+ C
"Unsatisfactory"	50 and below	D
"Tested"	≥51	S
"Untested"	< 51	U

NAME OF THE COURSE	**HISTORY OF ARMENIA**		
TYPE OF COURSE	Mandatory		
EDUCATIONAL LEVEL	CONTINUOUS AND INTEGRATED EDUCATIONAL PROGRAM		
THE FORM OF TRAINING	Full time		
PROFESSION	Dentist		
FACULTY	Dentistry		
COURSE	I	SEMESTER	I
ACADEMIC YEAR	2020-2021		

CREATOR	PhD, Associate Professor Armen Emil Khachikyan, PhD, Associate Professor Marine Gevorgyan
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CHAIR	Humanitarian subjects
CLINICAL BASE	-
HEAD OF CHAIR	PhD Tatevik Karapetyan

COURSE VOLUME

Year	Semester	Credit	Academic week	Weekly hour	Total hour	Total class. hour	Lecture hour	Pract. Lab. hour	Individual work hour	Lecturers' consultation	Examination	Test
I	I	3	17	3	90	51	34	17	26	13		+
Total		**3**	**17**	**3**	**90**	**51**	**34**	**17**	**26**	**13**		

1. PRECONDITION. As a basis for mastering the course, you need the following knowledge, skills and abilities, which have been developed through the school curriculum:

Knowledge

1. perceptions of the upward development process of human society,
2. about the Earth's climatic conditions, minerals, flora and fauna,
3. general idea of the political map of the world, the location of countries and states,
4. basic knowledge about religions,
5. basic knowledge of time management and calendar.

Abilities:

1. analyze historical phenomena, understand and differentiate their causes, occasion, consequence,
2. be able to verbally present on a map the place and position of a particular country/state, its neighboring countries
3. to distinguish the patterns of the process of gradual development of human society and general tendencies,
4. consider the role of the individual and the impact of activity on the course of history,
5. consider the turning points of history, events, social life and customs, the relationship between individuals, societies and civilizations from the perspective of a person, a nation and humanity,
6. evaluate the need to popularize, preserve, develop and transmit national and world cultural values.

Possession:

1. Be able to understand the degree of reliability of the information provided by historical sources, work with historical literature, lecture summaries, as well as work with the theoretical part of practical training,
2. be able to discuss various connections with the modern world, in the context of modern geopolitical developments, alternatives of outline relations and historical developments, make predictions about their results and consequences,
3. explain the peculiarities of each of the successive stages of society and the most characteristic features,
4. to work with historical and political maps,
5. to find connections in modern and historical processes, to show the connection of its and generations in history, the need for valuable and substantiated historical experience and acquisition of achievements, learning lessons and passing on to the next generations,
6. use maps, auxiliary literature, various teaching aids, ability to study abroad, combine different tools, do design or research work together with others, propose problems, present solutions, present solutions,
7. gather the necessary information from different sources, determine the credibility of the source of the description, express and substantiate one's own positions and views, make references while using the sources.

2. BRIEF CONTENT OF THE COURSE

The " History of Armenia" course covers the history of the Armenian people from ancient times to the present day. The course gives students the opportunity to get acquainted with the history of our country, rich in events and cultural achievements, to get to know the traditions, manners and customs of our people.

3. GOAL AND OBJECTIVES OF THE COURSE

3.1. The goal of the course

To introduce the students with the ancient millennial history of Armenia, to show that the Armenian people was one of the main and active participants in the formation of world civilization and has made a certain contribution to the treasury of universal culture.

3.2. Course objectives

- To give the minimum necessary knowledge from the history of the Armenian people,
- Introduce the history of the Armenian people by providing a connection with the relevant events in the history of the world

4. EDUCATIONAL FINAL RESULTS. At the end of the course the student should:

Know:

K1. The place of Armenia and its neighboring countries on the map, the existing legends about the ethnic origin of the Armenian people, the first pan-Armenian events in the history of the Kingdom of Van, the kings and their manuals.

K2. About the Armenian kings of Yervanduni and Artashesyan dynasty, their undertakings in strengthening the Armenian statehood, the Armenian-Marakan, Armenian-Iranian, Armenian-Roman relations, the external and internal causes and the consequences of the fall of the kingdoms.

K3. The process of the settlement of the Arshakunyats dynasty in Armenia, the importance of the adoption of Christianity as a state religion, the turn of the Armenian culture to the Christian world, the creation of the Armenian alphabet and the Armenian golden age of the 5th century,

the causes and consequences of the decline of statehood.

K4. Armenian liberation movements in the 5th century, the Persian-Byzantine division of Armenia, the Arab invasions and the anti-Arab uprisings of the Armenians, the Armenian epic, the preconditions for the restoration of the new statehood.

K5. The restoration of statehood led by the Bagratuni dynasty, the manuals of the Bagratuni kings, the Armenian-Arab, Armenian-Byzantine relations, the location of Cilicia, the establishment and decline of the Armenian statehood there.

K6. Armenian liberation movements in the 16th-18th centuries, the activities of Israel Oru, Hovsep Emin, Russian-Armenian-Indian centers. The international situation of the 19th century: the Russian-Persian, Russian-Turkish wars and the situation in Armenia, the internationalization of the Armenian question, the activities of the Armenian political parties, the liberation struggle against the Abdulhamid regime at the end of the 19th century.

K7. The Armenian liberation movement at the beginning of the 20th century. Russia's policy on the Armenian issue. The Young Turk Revolution. The Armenian Issue in 1912-1914, the First World War and The Armenian Genocide, the Russian Revolutions in 1917, the May Heroic Battles and the Proclamation of the First Republic of Armenia.

K8. The fall of the First Republic. Establishment of Soviet rule in Armenia, territorial issues of the USSR, Russian-Turkish 1921 . The impact of the treaties on Armenian history, the participation of the Armenian people in World War II, the beginning and development of the Artsakh movement in 1988-1991. Proclamation of RA and NKR. Azerbaijan's anti-Armenian aggression, the further course of the Artsakh war in 1991-1994. The current status of the issue. Homeland-Diaspora relations in 1920-1990.

Be able to:

A1. to differentiate the stages of development of the Armenian society and state, to understand the causes and consequences of the most important historical events,

A2. use sources, analyze the information provided by them and draw conclusions,

A3. to express his/her thoughts orally, in writing, by presenting slides, to form his/her own opinion on historical events, to present facts, other evidence to confirm his/her opinion,

A4. to use educational, scientific, popular literature or the Internet.

Possess:

P1. The key facts of Armenian history and their chronology,

P2. the ability to express his / her thoughts on historical events and to express an opinion,

P3. skills in analyzing the causes of historical events and assessing their consequences,

P4. skills in understanding current political processes.

5. LITERATURE

1. Chair material
2. Մ. Գևորգյանի դասախոսությունների փաթեթը:
3. Հայոց պատմություն, խմբ.՝ Հր. Սիմոնյան, Եր., 2012-
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7. Հայ ժողովրդի պատմության քրեստոմատիա , Երևան, 2007-

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8. Հարությունյան Կ, Հայ ժողովրդի մասնակցությունը 2-րդ աշխարամարտին, Երևան, 2001-
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http://www.armin.am/historyofarmenia/images/menus/1250/Harutyunyan_K2.pdf
9. Սարգսյան Ե. Ղ., Թուրքիան և նրա նվաճողական քաղաքականությունը Անդրկովկասում 1914-1918 թթ., Երևան, 1964-
www.armin.am/historyofarmenia/images/menus/278/Turqian%20ev%20nra%20Nvachoxakan%20qaxaqakanutyun@%20Andrrkovkasum.pdf
10. Սիմոնյան Հր. Ռ., Ազատագրական պայքարի ուղիներում, գիրք Ա-Բ, Երևան, 2009-
http://www.armin.am/historyofarmenia/images/menus/775/Hrachik%20Simonyan.pdf
11. Վրացյան Ս., Հայաստանի Հանրապետություն, Երևան, 1993-
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6. ASSESSMENT COMPONENTS	POINT
Attendances	16
Assessment of knowledge acquisition, abilities and skills	70
Independent individual work	14

7. ASSESSMENT SYSTEM /RATING / SYSTEM

Mark	Assessment Point	Assessment letter
"Excellent"	96-100 90-95	A+ A
"Good"	80-89 70-79	B+ B
"Satisfactory"	60-69 51-59	C+ C
"Unsatisfactory"	50 and below	D
"Tested"	≥51	S
"Untested"	< 51	U

NAME OF THE COURSE	**GENERAL PSYCHOLOGY**		
TYPE OF COURSE	Mandatory		
EDUCATIONAL LEVEL	CONTINUOUS AND INTEGRATED EDUCATIONAL PROGRAM		
THE FORM OF TRAINING	Full time		
PROFESSION	Dentist		
FACULTY	Dentistry		
COURSE	I	SEMESTER	I
ACADEMIC YEAR	2020-2021		

CREATOR	PhD Anna Ovchyan, PhD, Associate Professor Mariana Avetisyan
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CHAIR	Social Medicine
CLINICAL BASE	-
HEAD OF THE CHAIR	PhD Anna Ovchyan

COURSE VOLUME

Year	Semester	Credit	Academic week	Weekly hour	Total hours	Total class. hour	Lectures hour	Pract. Lab. hous	Individual work hour	Lecturers' consultation.	Examination	Test
I	**I**	3	17	3	90	51	34	17	26	13		+
Total		**3**	**17**	**3**	**90**	**51**	**34**	**17**	**26**	**13**		

1. PRECONDITION. As a basis for mastering the course, you need the following knowledge, skills and abilities, which have been developed through the school curriculum:

Knowledge:

1. About the activity of human organs, organ systems, nervous system.
2. About the relationship between society and the individual.

Abilities:

1. To work with educational literature, lectures, as well as to master the ability to apply theoretical material in practical classes.

2. BRIEF CONTENT OF THE COURSE

General psychology studies the human psyche, mental processes and states, personality traits, consciousness, as well as how cognitive processes are formed and formed: senses, perception, memory, thinking, language, speech. temperament, character, abilities, motivation, emotions and attention.

3. GOAL AND OBJECTIVES OF THE COURSE

3.1. The goal of the course

1. Explain the role of psychological science.
2. Explain the psycho-physiological mechanisms and patterns of cognitive processes, mental states.
3. Explain the role of social and biological activities in the development of a person.

3.2 . Course objective

1. Developing knowledge of the theoretical foundations of psychological science.
2. Acquisition of knowledge of cognitive processes, mental states, mechanisms of development of personal qualities, patterns.
3. Development of the ability to present theoretical and practical knowledge orally and in writing.
4. Development of the ability to work independently, to apply psychological knowledge in practice.

4.EDUCATIONAL FINAL RESULTS. At the end of the course the student should:

Know:

K1. Subject, problems and methods of studying psychology.

K2. The connection of the psyche with the activity of the nervous system. Mental processes and states.

K3. Psychological characteristics of a person and their manifestations.

Be able to:

A1. Describe and explain the patterns and mechanisms of mental processes, phenomena.

A2. Apply psychological knowledge when making a psychological analysis of a case or situation.

A3. To study and analyze psychological scientific literature.

Posses:

P1. Means of psychological self-regulation and self-development.

5. LITERATURE

1. Chair material
2. Հոգեբանության հիմունքներ, Ա. Նալչաջյան, 2016, 672 էջ
3. Психология, Немов Р.С., 4 изд., М.: Гуманит. Изд. центр Владос, 2003, 693 стр.
4. Рубинштейн С.Л.,Основы общей психологии, Изд. центр Питер, 2002, 720 стр.
5. Introduction to psychology, James W. Kalat, North Carolina State University, 9-th ed., 2008, 714 p.
6. Psychology / Henry Gleitman, James Gross, Daniel Reisberg, 8-th ed. 2011, 896 p.

6. ASSESSMENT COMPONENTS	POINT
Attendances	16
Assessment of knowledge acquisition, abilities and skills	70
Independent Individual work	14

7. ASSESSMENT SYSTEM /RATING / SYSTEM

Mark	Assessment Point	Assessment letter
"Excellent"	96-100	A+
	90-95	A
"Good"	80-89	B+
	70-79	B
"Satisfactory"	60-69	C+
	51-59	C
"Unsatisfactory"	50 and below	D

"Tested"	≥51	S
"Untested"	< 51	U

NAME OF THE COURSE	**MEDICAL PSYCHOLOGY**		
TYPE OF COURSE	Mandatory		
EDUCATIONAL LEVEL	CONTINUOUS AND INTEGRATED EDUCATIONAL PROGRAM		
THE FORM OF TRAINING	Full time		
PROFESSION	Dentist		
FACULTY	Dentistry		
COURSE	I	Semester	II
ACADEMIC YEAR	2020-2021		

CREATOR	PhD Anna Ovchyan, PhD, Associate Professor Mariana Avetisyan, PhD Anna Chilingaryan
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CHAIR	Social Medicine
CLINICAL BASE	-
HEAD OF THE CHAIR	PhD Anna Ovchyan

COURSE VOLUME

Year	Semester	Credit	Academic week	Weekly hour	Total hours	Total class. hour	Lectures hour	Pract. Lab. hous	Individual work hour	Lecturers' consultation	Examination	Test
I	**II**	2	17	2	60	34	16	18	17	9		+
Total		**2**	**17**	**2**	**60**	**34**	**16**	**18**	**17**	**9**		

1. PRECONDITION. As a basis for mastering the course, you need the following knowledge, skills and abilities, which have been developed through the school curriculum:

Knowledge:

1. About the structure of human organs, organ systems, nervous system.
2. About the connection between the nervous system and the psyche.
3. About the cognitive processes of the psyche.
4. The psychological structure of a person.

Abilities:

1. Explain the physiological mechanisms of mental activity.
2. Recognizing and developing the role of cognitive processes for human life and activity.
3. Recognizing and differentiating the psychological characteristics of a person and their manifestations.

Possessions:

1. Work with psychological literature, lecture summaries, theoretical part of practical lessons.

2. BRIEF CONTENT OF THE COURSE

The subject "Medical Psychology" studies the theoretical and practical aspects of medicine related to psychology, the problems of mental health of a person arising during the prevention, diagnosis and treatment of disease.

3. GOAL AND OBJECTIVES OF THE COURSE

3.1. The goal of the course

1. Behave in accordance with the norms and rules of professional ethics.
2. Distinguish the norm and pathology of the human psyche.
3. Explain the causal links between mental and physical disorders.
4. Explain the impact of the disease on a person's social adaptation, ability to work, mental health.

3.2. Course objective

1. Development of professional behavior and communicational skills based on medical ethical norms.
2. Development of knowledge of practical causes of causal disorders of psycho-physical disorders, adequate to theoretical knowledge.
3. Manifestations of the human psyche - the development of the ability to recognize the disease, to recognize it during treatment.
4. Development of knowledge of the causal links of possible developmental disorders.
5. Development of the ability to recognize and describe personal, behavioral, anxiety and mood disorders.

4. EDUCATIONAL FINAL RESULTS. At the end of the course the student should:

Know:

K1. Psychological aspects of a doctor's professional activity, principles of medical deontology.

K2. The interconnectedness of human mental and physical health, cause-and-effect relationships.

K3. The norm and pathology of human's mental activity.

Be able to

A1. Distinguish and analyze the norm of mental activity: pathology.

A2. Apply knowledge on the interaction of human mental and physical health in professional analysis of clinical cases.

A3. Recognize developmental deviations and develop an appropriate case strategy.

A4. Be able to assess problematic situations, develop an adequate strategy, express one's position based on psychological principles.

Possess:

P1. Ability to analyze clinical cases.

P2. Means of psychological self-regulation and self-development.

5. LITERATURE

1. Chair material
2. Բժշկական հոգեբանություն, ուսումնական ձեռնարկ, ԵՊՀ, 341 էջ
3. Прикладная клиническая психология: учебное пособие, В.А. Кулганов, В.Г. Белов, Ю.А. Парфёнов, СПб.: СПбГИПСР, 2012, 444 с.
4. Психосоматика и психология здоровья: Учеб. пособие. 2-е изд., перераб. и доп., Ю.Г. Фролова, Мн.: ЕГУ, 2003, 172 с.
5. Первичная профилактика психосоматических заболеваний с помощью системы психологических технологий, И. А. Фурманов [и др.]; под ред. И. А. Фурманова, М-во образования РБ, Гом. гос. ун-т им. Ф. Скорины. Гомель: ГГУ им. Ф. Скорины, 2015, 221 с.

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7. The Oxford Handbook of Clinical Psychology, David H. Barlow, Oxford University Press, 2014, 977 p.
8. Clinical Psychology, Eighth Edition Timothy J. Trull and Mitchell J. Prinstein, University of Missouri–Columbia, University of North Carolina, 609 p.
9. Abnormal psychology, second edition, Deborah C. Beidel, Cynthia M. Bulik, Melinda A. Stanley, University of Central Florida, University of North Carolina, Baylor College of Medicine, 212, 678 p.
10. Health psychology, Arthur M. Nezu, Christine Maguth, Nezu Pamela A. Geller, Irving B. Weiner, John Wiley & Sons Inc.,, 2003, 691 p.

6. ASSESSMENT COMPONENTS	POINT
Attendances	16
Assessment of knowledge acquisition, abilities and skills	70
Independent individual work	14

7. ASSESSMENT SYSTEM /RATING / SYSTEM

Mark	Assessment Point	Assessment letter
"Excellent"	96-100 90-95	A+ A
"Good"	80-89 70-79	B+ B
"Satisfactory"	60-69 51-59	C+ C
"Unsatisfactory"	50 and below	D
"Tested"	≥51	S
"Untested"	< 51	U

NAME OF THE COURSE	**PHILOSOPHY**		
TYPE OF COURSE	Mandatory		
EDUCATIONAL LEVEL	CONTINUOUS AND INTEGRATED EDUCATIONAL PROGRAM		
THE FORM OF TRAINING	Full time		
PROFESSION	Dentist		
FACULTY	Dentistry		
COURSE	II	Semester	IV
ACADEMIC YEAR	2020-2021		

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CHAIR	Humanitarian subjects
CLINICAL BASE	-
HEAD OF CHAIR	PhD Tatevik S. Karapetyan

COURSE VOLUME

Year	Semester	Credit	Academic week	Weekly hour	Total hour	Total class. hour	Lecture hour	Pract. Lab. hour	Individual work hour	Lecturers' consultation	Examination	Test
II	**IV**	2	15	3	60	45	34	11	9	6		+
Total		**2**	**15**	**3**	**60**	**45**	**34**	**11**	**9**	**6**		

1. PRECONDITION. As a basis for mastering the course, you need the following knowledge, skills and abilities, which have been developed through the school curriculum:

Knowledge:

1. regarding important and significant events in world history,
2. language skills at the level of reading, reproducing, listening to a lecture and understanding,
3. knowledge of fundamental theories in natural and mathematical disciplines.

Abilities:

1. analyze historical and biological phenomena, patterns of natural and social processes,
2. solve mathematical and scientific problems,
3. explain significant historical events and their possible effects on the person and society.

Possessions:

1. be able to listen, read and understand, interpret and reinterpret the academic materials presented in lectures and professional literature,
2. under the teacher's guidance, to compare existing and acquired knowledge, connect them in a logical order, make conclusions, justify the conclusions made,
3. value existing and acquired knowledge, to see the gaps that exist in the absence of philosophical knowledge.

2. BRIEF CONTENT OF THE COURSE

The course "Philosophy" examines the features of philosophical knowledge, the main problem of

philosophy, the stages of development, the main problems of the main sections, the main views on the latter.

3. GOAL AND OBJECTIVES OF THE COURSE

3.1 The goal of the course

The goal of the course is to acquaint the student with the role of philosophy in culture, the historical stages of its development, and the main points of view proposed around the main philosophical issues.

3.2 Course objective

- Demarcation of existence, knowledge, method, scientific and non-scientific knowledge.
- Improve the ability to read universal and interrelated issues of public, legal, political, economic spheres,
- Practically strengthen the knowledge of the grammar of the language.

4. EDUCATIONAL FINAL RESULTS. At the end of the course the student should:

Know:

K1. characteristics of philosophical knowledge,

K2. the main sections of philosophy and the boundaries of their problem area,

K3. the main problems of philosophy, the main points of view regarding them,

K4. the stages of the development of philosophy, the main schools, directions, branches,

K5. the main ideas of the most significant figures of world philosophy.

Be able to:

A1. take a philosophical approach to any point of view;

A2. distinguish the main philosophical trends, problems, solutions.

A3. to apply the opportunities provided by philosophy in life and professional activities.

Possess:

P1. to the philosophical problem.

P2. philosophical-methodological skills.

P3. as a result of philosophical analysis, draw conclusions, value them and justify them.

5. LITERATURE

1. Chair material.
2. Solomon R.C., Higgins K.M., The Big Questions. A Short Introduction to Philosophy. Ninth Edition, Wadsworth, Cengage Learning, 2014
3. Ասատրյան Վ. Մ., Փիլիսոփայության ներածություն (ուսումնական ձեռնարկ), Եր, նոյան Տապան, 2001
4. Фролов И. Т. и др Введение в философию: Учеб. пособие для вузов, 3-е изд., перераб. и доп. - М.: Республика, 2003

6. ASSESSMENT COMPONENTS	POINT
Attendances	16
Assessment of knowledge acquisition, abilities and skills	70
Independent individual work	14

7. ASSESSMENT SYSTEM /RATING / SYSTEM

Mark	Assessment Point	Assessment letter
"Excellent"	96-100 90-95	A+ A
"Good"	80-89 70-79	B+ B
"Satisfactory"	60-69 51-59	C+ C
"Unsatisfactory"	50 and below	D

"Tested"	≥51	S
"Untested"	< 51	U

NAME OF THE COURSE	**MATHEMATICS AND MEDICAL INFORMATICS**		
TYPE OF COURSE	Mandatory		
EDUCATIONAL LEVEL	CONTINUOUS AND INTEGRATED EDUCATIONAL PROGRAM		
THE FORM OF TRAINING	Full time		
PROFESSION	Dentist		
FACULTY	Dentistry		
COURSE	I	SEMESTER	I, II
ACADEMIC YEAR	2020-2021		

CREATOR	Lia Martirosyan PhD Armen Grigoryan
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CHAIR	Natural Sciences
CLINICAL BASE	-
HEAD OF THE CHAIR	PhD Hayarpi Javrushyan

COURSE VOLUME

Year	Semester	Credit	Academic week	Weekly hour	Total hour	Total class hour	Lecture hour	Pract. Lab. hour	Individual work hour	Lecturers' consultation	Examination	Test
I	I	3	17	3	90	51	18	33	25	14		+
	II	2	17	2	60	34	16	18	17	9		+
Total		**5**	**34**	**5**	**150**	**85**	**34**	**51**	**42**	**23**		

1. PRECONDITION. As a basis for mastering the course, you need the following knowledge, skills and abilities, which have been developed through the school curriculum:

Knowledge:

1. linear, square equations,
2. algebraic formulas,
3. alterations of algebraic expressions,
4. elementary functions,
5. basic concepts of function boundaries, derivatives
6. trigonometric functions, formulas,
7. basic computer and "MS Office" skills ,
8. social media and general web skills

Abilities:

1. distinguish between dependent and independent variables, types of elementary functions,
2. make alterations of algebraic expressions,
3. apply trigonometric formulas,

4. construct graphs of elementary functions,
5. to work with "MS office" programs and with the Internet;

Possessions:

1. use various sources to get the necessary information, work with professional literature,
2. work in a team, maintaining the norms of professional ethics, guided by national and universal values.

2. BRIEF CONTENT OF THE COURSE

It is impossible to study other sciences without "Mathematics". The ideas, judgments and logic of mathematics serve as a language for the other sciences since they write, speak and think with it. It studies and explains the patterns of difficult phenomena with great accuracy. The course proceeds to survey ways in which mathematics provides a tool for understanding and dealing with various aspects of present-day living, such as managing personal finances, security. It is used to analyze phenomena in nature that has plentiful life and health sciences applications and that provides students with the knowledge and skills necessary to analyze and interpret mathematical models of a diverse array of phenomena in the living world.

"Medical Informatics" helps to develop computer knowledge for the application-mastery of modern technologies, receiving and processing information, including in the field of healthcare.

3. GOAL OF THE COURSE

The goal of the course is to give students basic knowlage to understand the foundations of mathematical concepts to develop skills needed to study and master other subjects, to solve practical problems encountered during professional activities, to introduce students the set of real numbers, the limit of a function, continuity, derivative and differential, theory of differential calculus and their practical use. The course should give students the necessary knowledge for using the modern technologies in the Medicine and Health care to provide quick and accurate computation and manipulation, to enhance conceptual understanding and to facilitate higher order thinking.

4. EDUCATIONAL FINAL RESULTS. At the end of the course the student should:

Know:

K1. general concepts of functions and its applications.
K2. how to define the basic concepts of derivative, differential, the limit and continuity
K3. basic integration methods, methods for solving 1st and 2nd order differential equations,
K4. about security softwares, drivers, technologies to provide quick and accurate computation and manipulation

Be able to:

A1. apply theoretical knowledge in medicine to solve practical problems,
A2. use educational, scientific, popular literature and the Internet for professional activities,
A3. create medical databases, presentations, exhibitions,
A4. Compile professional surveys.

Possess:

P1. work team, the ability of solving professional problems, building, researching and analyzing graphs of functions.
P2. how to find, download, and use professional applications and templates,
P3. the ability of conducting professional research and surveys,
P4. MS Office programs.

5. LITERATURE

1. Chair material
2. Claudia Neuhauser, "Calculus for Biology and Medicine", Published by Pearson, United States (2011)
3. L.D. Hoffmann, G.L. Bradley, "Calculus For Business, Economics, and the Social and Life Sciences", Published by McGraw-Hill, New York 2010, 10th Edition.
4. S. Calaway, D. Hoffman, D. Lippman, "Business Calculus", USA, 2013.
5. Ս. Հարությունյան, «Բարձրագույն մաթեմատիկա», Երևան 2000
6. Ֆիխտենգոլց Գ.Մ. «Մաթեմատիկական անալիզի հիմունքներ»: Հատոր 1: Երևան: «Լույս» հրատարակչություն, 1970.
7. Stephen Moffat, The Mouse Training Company " Word 2010 Advanced: Part I, Templates, Forms and Styles" 2014 Stephen Moffat, The Mouse Training Company.
8. Stephen Moffat, The Mouse Training Company " Excel 2010 Introduction: Part I Formulas, Functions and Formatting" 2011 Stephen Moffat,
9. Յու.Ս. Բաբայան, «Բարձրագույն մաթեմատիկա և ինֆորմատիկա: Ուսումնական ձեռնարկ բուժական, ստոմատոլոգիական և դեղագիտական ֆակուլտետների ուսանողների համար». Երևան: ԵՊԲՀ-ի հրատ., 2009:
10. Pert Mason "Windows 8.1 " 1st edition, 2014 Pert Mason & Bookboon
11. Shelley Fishel 1st edition, Shelley Fishel & Bookboon "Powerpoint 2016"
12. Robert E. Hoyt MD FACP" Medical Informatics Practical Guide for the Healthcare Professional"
    Third Edition, © 2009 Published by: Lulu.com

6.ASSESSMENT COMPONENTS	POINT
Attendance	16
Assessment of knowledge acquisition, abilities and skills	70
Independent individual work	14

7. ASSESSMENT SYSTEM /RATING / SYSTEM

Mark	Assessment Point	Assessment letter
"Excellent"	96-100 90-95	A+ A
"Good"	80-89 70-79	B+ B
"Satisfactory"	60-69 51-59	C+ C
"Unsatisfactory"	50 and less	D
"Tested"	≥51	S
"Untested"	< 51	U

NAME OF THE COURSE	**MEDICAL PHYSICS**		
TYPE OF COURSE	Mandatory		
EDUCATIONAL LEVEL	CONTINUOUS AND INTEGRATED EDUCATIONAL PROGRAM		
THE FORM OF TRAINING	Full time		
PROFESSION	Dentist		
FACULTY	Dentistry		
COURSE	I	Semester	II
ACADEMIC YEAR	2020-2021		

CREATOR	PhD Armen Grigoryan PhD Professor, Asatour Lalayan
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CHAIR	Natural Sciences
CLINICAL BASE	-
HEAD OF CHAIR	PhD Hayarpi Javrushyan

COURSE VOLUME

Year	Semester	Credit	Academic week	Weekly hour	Total hour	Total class hour	Lecture hour	Pract. Lab. hour	Individual work hour	Lecturers' consultation	Examination	Test
I	II	3	17	3	90	51	24	27	25	14		+
Total		**3**	**17**	**3**	**90**	**51**	24	**27**	**25**	**14**		

1. PRECONDITION. As a basis for mastering the course, you need the following knowledge, skills and abilities, which have been developed through the school curriculum:

Knowledge:

1. About algebraic and simple differential equations, functions, graphs and derivatives of a functions.
2. Fundamentals of mechanics, motion and their characteristics, knowledge of atomic structure, charge and fields.
3. About the structure of the human body, organ systems.
4. About chemical compounds and bonds.

Abilities:

1. Analyze physical phenomena, interpret physical quantities, their applicability, regularity of natural processes.
2. Solve algebraic-differential equations, compute the derivatives of elementary functions, interpret graphs of functions.
3. Explain the motion, the reasons for its occurrence, the regularity, the structure of the atom, its relationship to the formation of chemical compounds.

Possessions:

1. to be able to work with physics literature, lecture transcripts, as well as work with the theoretical part of practical classes.
2. to be able to independently set simple problems, draw up problem-solving schemes and solve the set problems.
3. to be able to work independently on the assigned topics, find relevant literature from the Internet and libraries, analyze it and properly present it.

2. BRIEF CONTENT OF THE COURSE

The "Medical Physics" course is aimed at forming systematic knowledge among medical students about the physical properties of biological systems, the physical processes taking place in them, which are necessary for the assimilation of other educational programs, as well as for the training of medical professionals.

3. GOAL OF THE COURSE

In the field of professional education, the teaching of the "Medical Physics" course aims to acquaint students with physical phenomena occurring in nature and biological systems, their main properties and patterns, as well as fundamental laws, to teach the application of physical methods in various types of professional and social activities, to form in students physical and analytical thinking.

4. EDUCATIONAL FINAL RESULTS. At the end of the course the student should:

Know

K1. The basic laws of nature,

K2. The results of the study of phenomena resulting from interactions,

K3. Physical phenomena in a living organism,

K4. Correlation, interaction and combination of living and inanimate organisms,

K5. The effect of physical phenomena on organisms,

K6. The effect of physical fields on living organisms,

Be Able to

A1. Use educational, scientific, popular literature and the Internet for professional activities,

A2. Use laboratory equipment,

A3. Use centrifuge, perform audiometry,

A4.Determinat of viscosity, viscometry, galvanization, electrophoresis, determination of tissue resistance (impedance), electrocardiography, study of medical biological information, magnetic biology.

A5. perform interferometry, biometrics, thermography.

A6. performe ctinometry, oxyhemometry, piezoelectric effect analizes, amplification of electrical signals, etc.

A7. Analyze the physical phenomena and properties in biological systems and life processes, based on the elements of physicochemical biophysics.

Possess

P1. Skills of expressing objects and processes under study through diagrams.

P2. Electrogram analysis skills.

P3. Examination of all physical methods of treatment, use of medical equipment, physical measurements, their clarification, application of mathematical statistics in medicine, application of mathematical correlation dependencies in medicine, radiography, radiotherapy, physiotherapy, high-frequency electronic equipment, magnetic resonance imaging.

5. LITERATURE
1. Chair material 2. Irving P. Herman Physics of the Human Body; With 571 Fi.gures and 135 TaЬles, Springer © 2007, Springer-Verlag Berlin Heidelberg 3. Ремизов А.Н. Максина А.Г., Потапенко А.Я. Медицинская и биологическая физика: учеб. для вузов. – 9-е изд., М.: Дрофа, 2009. 4. Ремизов А.Н., Максина А.Г. Сборник задач по медицинской и биологической физике. 3-е изд., перераб. и дополн. –М.:Дрофа, 2008. –192 с. 5. Антонов В.Ф., Пасечник В.И., Черныш А.М., Вознесенскрий С.А., Козлова Е.К. Практикум по биофизике. – М.: ВЛАДОС, 2000. 6. И.А. Эссаулова и др. – "Руководство к лабораторным работам по медицинской и биологической физике" – Москва, 2001 7. Антонов В.Ф., - '' Биофизика'' , Москва, 2006 8. В. О. Самойлов – '' Медицинская биофизика'', Москва, 2007 9. А. Б. Рубин – ''Биофизика'', Москва, 1999 10. Волькенштейн М.В. «Молекулярная биофизика», М., 1976

6. ASSESSMENT COMPONENTS	POINT
Attendances	16
Assessment of knowledge acquisition, abilities and skills	70
Independent individual work	14

7. ASSESSMENT SYSTEM /RATING / SYSTEM		
Mark	Assessment Point	Assessment letter
"Excellent"	96-100 90-95	A+ A
"Good"	80-89 70-79	B+ B
"Satisfactory"	60-69 51-59	C+ C
"Unsatisfactory"	50 and below	D
"Tested"	≥51	S
"Untested"	< 51	U

NAME OF THE COURSE	**GENERAL CHEMISTRY**		
TYPE OF COURSE	Mandatory		
EDUCATIONAL LEVEL	CONTINUOUS AND INTEGRATED EDUCATIONAL PROGRAM		
THE FORM OF TRAINING	Full-time		
PROFESSION	Dentist		
FACULTY	Dentistry		
COURSE	I	SEMESTER	I
ACADEMIC YEAR	2020-2021		

CREATOR	PhD, A.Grigoryan, B.Babayan.
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CHAIR	Natural Sciencies
CLINICAL BASE	-
HEAD OF THE CHAIR	Hayarpi Javrushyan, PhD

COURSE VOLUME

Year	Semester	Credit	Academic week	Weekly hour	Total hour	Total class hour	Lecture hour	Pract. Lab. hour	Individual work hour	Lecturers' consultation	Examination	Test
I	I	4	17	4	120	68	24	44	34	12	6	
Total		**4**	**17**	**4**	**120**	**68**	**24**	**44**	**34**	**12**	**6**	

1. PRECONDITION. As a basis for mastering the course, you need the following knowledge, skills and abilities, which have been developed through the school curriculum:

Knowledge.

1. Types of thermodynamic systems and the processes in them. The functions of the description of the stage of system: internal energy, enthalpy: The work and heat as energy transfer type.
2. Reversible and irreversible thermodynamic processes. Hess's law, heat effect of reaction by formation, combustion.
3. Hydrolysis of salts, the grade of hydrolysis and the factors which are affecting it, pH of hydrolysis: Indicators and the color changes due to changes of environment.
4. The speed of chemical reaction in constant temperature, homogenous and heterogeneous reactions.

Abilities:

1. To explain the difference between the solutions and the dispersed systems. Le Chatelier's principle reversible reactions.
2. To analyze the chemical processes on a molecular level, to differentiate the strong and wick

electrolytes.

3. To be able to operate with various equipment in the laboratory, due to the guides of environmental safety

Possessions:

1. To operate with scientific literature
2. To calculate the molarity of a solution, mass and molar sections of dissolved compounds in solution

2. BRIEF CONTENT OF THE COURSE

General Chemistry" course includes the information about the chemical and physical properties of the most important inorganic and organic compounds, the main elements of the theory of chemical structure, a certain concept of chemical thermodynamics and chemical kinetics, theories of solutions, the lows of inorganic and organic synthesis processes, analytical principles of physicochemical properties of compounds.

3. GOAL OF THE COURSE

The main goal of the course is to form in students a certain concept of general principles of chemistry, chemical bond types and formation mechanisms, physical and chemical properties and the biological role of chemical elements.

4. EDUCATIONAL FINAL RESULTS. At the end of the course the student should:

Know:

1. The chemical equivalent of substance, mass equivalent, the definition of equivalence low.
2. Magnitude of equivalent, the formulas of chemical equivalents, definition for element, oxide, acid, base and salt.
3. Redox reaction, the concept of mas equivalent of oxidizer and reducer.
4. The concept of the low of equivalent and the formulas for the calculation of it. Mass, volume and mole section definition formulas
5. Non-electrolyte saturated vapor pressure, the boiling point elevation, freezing point depression, osmotic pressure calculation,
6. Ebullioscopy constant (E) and Cryoscopy constant (K) physical meaning, isotonic solutions of blood, the lows of gases desolvation in liquids (Henry, Dalton , Sechenov Low), the causes of decompression sickness.

Be able to:

1. To use scientific and educational, popular science literature and web resources of the internet for ensuring own professional actions.
2. To operate physical, chemical and biological equipment.
3. Henry and Sechenov lows and formulas for the calculation of ionic transport through the biomembranes.
4. To apply theoretical knowledge to practices, to do laboratory experiments with organic substances, to be able to make personal conclusions about the several scientific questions

Possess:

1. Recalculation of the molar mass of unknown substance, the osmotic pressure of the solution, lysis (hemolysis) plasmolysis phenomenon detection, and definition.

5. LITERATURE

1. Chair material
2. Advanced Inorganic Chemistry.Third edition.USA. F.Albert Cotton.

3. Physical and Inorganic Chemistry. A.Bakac.2010.
4. https://www2.chemistry.msu.edu/faculty/reusch/virttxtjml/questions/problems.htm

6. ASSESSMENT COMPONENTS	POINT
Attendance	16
Assessment of knowledge acquisition, abilities and skills	70
Independent individual work	14

7. ASSESSMENT SYSTEM /RATING / SYSTEM		
Mark	Assessment Point	Assessment letter
"Excellent"	96-100 90-95	A+ A
"Good"	80-89 70-79	B+ B
"Satisfactory"	60-69 51-59	C+ C
"Unsatisfactory"	50 and less	D
"Tested"	≥51	S
"Untested"	< 51	U

NAME OF THE COURSE	**BIOORGANIC CHEMISTRY**		
TYPE OF COURSE	Mandatory		
EDUCATIONAL LEVEL	CONTINUOUS AND INTEGRATED EDUCATIONAL PROGRAM		
THE FORM OF TRAINING	Full time		
PROFESSION	Dentist		
FACULTY	Dentistry		
COURSE	I	SEMESTER	II
ACADEMIC YEAR	2020-2021		

CREATOR	PhD, associate professor A.Grigoryan, B.Babayan.
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CHAIR	Natural Sciences
CLINICAL BASE	-
HEAD OF THE CHAIR	PhD Hayarpi Javrushyan

COURSE VOLUME

Year	Semester	Credit	Academic week	Weekly hour	Total hour	Total class hour	Lecture hour	Pract. Lab. hour	Individual work hour	Lecturers' consultation	Examination	Test
I	**II**	3	17	3	90	51	26	25	21	12	6	
Total		**3**	**17**	**3**	**90**	**51**	**26**	**25**	**21**	**12**	**6**	

1. PRECONDITION. As a basis for mastering the course, you need the following knowledge, skills and abilities, which have been developed through the school curriculum:

Knowledge:

1. The basic classification of organic substances, substituents based and rational nomenclature, optical isomerism, the structure and properties of organic substances, the features of bioorganic processes.
2. The primary knowledge of organic compounds; the structure, properties of bases, spirits, ethers, aminoacids, proteins, lipids, carbohydrates, and their function for the organism.
3. Physicochemical processes in living organisms, redox reactions, thermal effects of chemical processes.
4. The properties and the kinetics of enzymes, as catalysts of organic reactions of living organisms.

Abilities:

1. To explain the bioorganic processes of living organisms.
2. To analyze the causal relationships of bioorganic processes of living organisms
3. To be able to operate with various equipment in the laboratory, due to the guides of environmental safety

Possessions:

1. To explore and use Scientific-educational literature
2. Qualitative analyses, definition and precipitation reactions, ketones and aldehyde detection reactions, aminoacid detection:

2. BRIEF CONTENT OF THE COURSE

The course of "Bioorganic Chemistry" includes the knowledge about chemical properties of organic substances, the most important classes of biomolecules and biopolymers, as a base for further study of bioorganic processes of living organisms on a molecular level.

3. GOAL OF THE COURSE

The main goal of course is to study the chemical properties of the main classes of biologically important organic compounds biomolecules and biopolymers, as a base for further study of bioorganic processes of living organisms on a molecular level.

4. EDUCATIONAL FINAL RESULTS. At the end of the course the student should:

Know:

1. The guides of safety in physical, chemical, biological laboratories during the operations with reactors, equipment, animals.
2. The physicochemical character of processes in living organisms on levels of molecules, cells, tissues and organs.
3. The main metabolic pathways of Alcohol, ethers, ketones, organic acids, amino acids, pyrimidine bases, the role of main electron transport systems for metabolism.
4. The structure and the functions of the most important bioorganic compounds (lipids, natural proteins, vitamins, carbohydrates, etc.)
5. The participation of ketone bodies in biochemical processes of transpiration (gazes exchange, respiration) and pH balance maintenance.

Be able to:

1. To use scientific and educational, popular science literature, internet web resources for ensuring professional activity.
2. To operate physical, chemical and biological equipment.
3. To diferencate oxi acids: mallic acid, lactic acid: oxo acids: pyruvic acid, ketoenolic tautomerism, cadaveric substances formation, non-essential aminoacids transamination reactions:
4. To use the theoretical knowledge, to do laboratory experiments with organic substances, to be able to make personal conclusions about the several scientific questions

Possess:

1. Structure, properties, reaction activity and obtaining methods of hydrocarbons and their functional derivatives.

5. LITERATURE

1. Chair material
2. M.M. Melkonyan. Handbook: Selected lectures in organic and bioorganic chemistry. Yerevan-2008.-224 p.
3. M.M. Melkonyan, K.M. Kocharyan. Manual To Laboratory Classes on Bioorganic Chemistry. Yerevan State Medical University, Yerevan-2012.- 30 p.

4. M.M. Melkonyan, Melikyan T.R., Zakaryan G.V., Ayvazyan L.M., Hoveyan G.A. Bioorganic Chemistry. Multi Choice Questions. Handbook. Yerevan, YSMU, 2008. - 80 p.
5. Organic Chemistry SIXTH EDITION Robert Thornton Morrison, Robert Neilson Boyd, 1283p, 2002.
6. Medical Biochemistry. Bhagavan N. V. 2001.-1016 p.
7. S.E. Zurabyan Fundamentals of bioorganic chemistry, M: GEOTAR-Media, 2012, 304 c.
8. INTRODUCTION TO General, Organic, and Biochemistry NINTH EDITION Frederick A. Bettelheim William H. Brown, Mary K. Campbell, Shawn O. Farrell 967p., 2010.
9. Biochemistry U Satyanarayana, U Chakrapani 794p., 2007.

6. ASSESSMENT COMPONENTS	POINT
Attendance	16
Assessment of knowledge acquisition, abilities and skills	70
Independent individual work	14

7. ASSESSMENT SYSTEM /RATING / SYSTEM

Mark	Assessment Point	Assessment letter
"Excellent"	96-100 90-95	A+ A
"Good"	80-89 70-79	B+ B
"Satisfactory"	60-69 51-59	C+ C
"Unsatisfactory"	50 and less	D
"Tested"	≥51	S
"Untested"	< 51	U

NAME OF THE COURSE	**BIOCHEMISTRY**		
TYPE OF COURSE	Mandatory		
EDUCATIONAL LEVEL	CONTINUOUS AND INTEGRATED EDUCATIONAL PROGRAM		
THE FORM OF TRAINING	Full time		
PROFESSION	Dentist		
FACULTY	Dentistry		
COURSE	II	Semester	III, IV
ACADEMIC YEAR	2020-2021		

CREATOR	PhD Hayarpi Javrushyan, PhD, associate professor Varduhi Hovsepyan
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CHAIR	Natural Sciences
CLINICAL BASE	-
HEAD OF CHAIR	PhD Hayarpi Javrushyan

COURSE VOLUME

Year	Semester	Credit	Academic week	Weekly hour	Total hour	Total class hour	Lecture hour	Pract. Lab. hour	Individual work hour	Lecturers' consultation	Examination	Test
II	III	4	17	4	120	68	24	44	34	12	6	
	IV	4	15	4	120	60	24	36	42	12	6	
Total		**8**	**32**	**8**	**240**	**128**	**48**	**80**	**76**	**24**	**12**	

1. PRECONDITION. As a basis for mastering the course, you need the following knowledge, skills and abilities, which have been developed through the school curriculum:

Knowledge:

1. About the main groups of chemical elements, inorganic and organic substances, their structure, properties and functions. Peculiarities of application of the laws of thermodynamics in biological systems.
2. Basic knowledge of the macromolecules of the cell: structure, properties, biological role of proteins, lipids, carbohydrates, nucleic acids. Basic knowledge about the most important processes in the cell, such as replication, transcription, translation, etc.
3. Cell biology of living organisms, physicochemical processes in them, cell structure, function, development and evolution.
4. Cellular, tissue, organ, organ systems and structural levels of the whole organism. Properties and kinetics of enzymes that catalyze chemical reactions in biological systems.

Abilities:

1. Explain the various vital processes in living organisms at the cellular level.
2. Analyze biological phenomena, causal links of patterns of natural processes.
3. Work with different equipment in the laboratory, ensuring the safety of himself and environment.

Possessions

1. Study and work with scientific-educational literature.
2. Preparation of different percentage and molar solutions and buffers, use them in biological research, weighing, centrifugation, incubation, pH and optical density measurement.

2. BRIEF CONTENT OF THE COURSE

The subject of "Biochemistry" provides students with fundamental knowledge about monosaccharides, oligosarcharides, homo- and heteropolysaccharides, carbohydrates, proteins, amino acids, enzymes, lipids, heme, nucleic acids, vitamins, biological membranes, cellular signals. The course also includes biochemistry of liver, muscle tissue and nerve tissue. Biochemistry of oral cavity, composition of saliva, enzymes, their activity, mineralization, organic and inorganic elements, dentine, enamel, dental plaque, protein composition, structural features of collagen, elastin, amino acid composition, biosynthesis and maturation.

3. GOAL OF THE COURSE

The main goal of the "Biochemistry" course is to give students basic systemic knowledge about the structure, function, molecular mechanisms of the most biologically important chemical compounds in the cell. To give the student a complete picture of the metabolism, the biochemical principles of its regulation, as well as to teach the molecular mechanisms of development of various pathological processes, the biochemical bases of disease prevention and treatment.

4. EDUCATIONAL FINAL RESULTS. At the end of the course the student should:

Know:

K1. Rules of safety technique when working with reagents, equipment, animals in physical, chemical, biological laboratories.

K2. The physicochemical nature of the processes that take place in living organisms at the molecular, cellular, tissue and organ levels.

K3. The main metabolic pathways of carbohydrates, fats, amino acids, purine-pyrimidine bases, the role of cell membranes and their transport systems in metabolism.

K4. Structure and function of the most important chemical compounds (nucleic acids, natural proteins, water-soluble and fat-soluble vitamins, hormones, etc.)

K5. The structure of hemoglobin and biological role, its participation in gas exchange, maintaining the balance of the acid-base of the environment.

Be able to:

A1. Use scientific, educational, popular science literature, use the Internet to develop professional activities.

A2. Use chemical, physical and biological equipment

A3. Distinguish normal levels of metabolites (glucose, urine, bilirubin, uric acid, lactic acid, pyrochloric acid, etc.) from pathological changes, read a proteinogram, explain the reasons for the differences.

A4. Develop data on serum enzyme testing.

Possess:

P1. Preliminary diagnostic skills based on biochemical research in human biological fluids.

5. LITERATURE

1. Chair material

2. Marks' basic medical biochemistry: a clinical approach /Michael Lieberman, Alisa Peet 2018
3. Lehninger Principles of Biochemistry, Fourth Edition - David L. Nelson, Michael M. Cox, 2009
4. Ամբիոնական մշակումներ:
5. Marks' Basic Medical Biochemistry A Clinical Approach, 2nd Edition - Colleen Smith, 2012
6. Jeremy M Berg, John L Tymoczko, and Lubert Stryer, Biochemistry, New York: W H Freeman; 2002.
7. Harvey Lodish, Arnold Berk, S Lawrence Zipursky, Paul Matsudaira, David Baltimore, and James Darnell., Molecular cell biology, Fifth Edition, 2000
8. Березов Т.Т., Коровкин Б.Ф., Биологическая Химия, 2008
9. Գ.Ս.Խաչատրյան, Մ.Ի.Աղաջանով, «Կենսաքիմիա», Եր.,ԵՊԲՀ, 2001թ.
10. Մ.Ի. Աղաջանով և այլոք - «Բերանի խոռոչի կենսաքիմիա», դասագիրք, Երևան, 2015թ
11. Topics in dental biochemistry, Martin Levine, Springer-Verlag Berlin Heidelberg 2011
12. "Биохимические основы патологических процессов" / Под ред. Е.С.Северина. М: Медицина, 2000
13. Марри Р., Греннер Д., Мейес П., Родуэлли В. "Биохимия человека" В 2-х томах. – М.: Мир, 1993, 415с.
14. Цыганенко А.Я., Жуков В.И., Мясоедов В.В., Завгородний И.В. "Клиническая биохимия", М.: Триада-Х, 2002
15. http://www.booksmed.com
16. http://pubmed.gov
17. http://www3.interscience.wiley.com/cgibin/
18. https://www.springer.com/gp/
19. https://www.elsevier.com/
20. https://www.nature.com/

6. ASSESSMENT COMPONENTS	POINT
Attendances	16
Assessment of knowledge acquisition, abilities and skills	70
Independent individual work	14

7. ASSESSMENT SYSTEM /RATING / SYSTEM

Mark	Assessment Point	Assessment letter
"Excellent"	96-100 90-95	A+ A
"Good"	80-89 70-79	B+ B
"Satisfactory"	60-69 51-59	C+ C
"Unsatisfactory"	50 and below	D
"Tested"	≥51	S
"Untested"	< 51	U

NAME OF THE COURSE	**BIOLOGY**		
TYPE OF COURSE	Mandatory		
EDUCATIONAL LEVEL	CONTINUOUS AND INTEGRATED EDUCATIONAL PROGRAM		
THE FORM OF TRAINING	Full-time		
PROFESSION	Dentist		
FACULTY	Dentistry		
COURSE	I	SEMESTER	I, II
ACADEMIC YEAR	2020-2021		

CREATOR	PhD, Associate Prof. Inga Bazukyan PhD Gohar Arajyan
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CHAIR	Medical – Biological subjects
CLINICAL BASE	-
HEAD OF CHAIR	PhD Naira Hunanyan

COURSE VOLUME

Couse	Semester	Credit	Academic week	Weekly hour	Total hour	Total class hour	Lecture hour	Pract. Lab. hour	Individual work hour	Lecturers' consultation	Examination	Test
I	I	5	17	5	150	85	26	59	47	12	6	
	II	3	17	3	90	51	14	37	21	12	6	
Total		**8**	**34**	**8**	**240**	**136**	**40**	**96**	**68**	**24**	**12**	

1. PRECONDITION. As a basis for mastering the course, you need the following knowledge, skills and abilities, which have been developed through the school curriculum:

Knowledge:

1. life and living organisms, their physical and chemical structure, functions, development and evolution,
2. chemical elements, cations and anions, the main groups of inorganic and organic substances, their structure, properties and functions,
3. structural levels of cellular, tissue, organs, organ systems and the whole organism of living organisms,
4. systematic approach that will allow understanding the integrity and integration of individual structural and functional units of the body at each studied level of organization of living organisms. Human ontogeny. Features of oogenesis and spermatogenesis in humans.

Abilities:

1. to analyze biological phenomena and regularities of natural processes,
2. to make synthesis and degradation reactions.

Possessions:

1. be able to work with casts, skeletons and preparations of animals, work with biological literature, lecture notes, as well as work with the theoretical part of practical classes.

2. BRIEF CONTENT OF THE COURSE

The course "Biology" is studied for two semesters: In the first semester, the issues of general biology are considered: the purpose and objectives of the subject are presented, the levels of organization of living matter, the properties of living systems are explained. Cell biology, reproduction of living organisms, rules of heredity, variability of pathways and mechanisms are described in detail. In the second semester, the student gets acquainted with the individual development of organisms, learns the patterns and mechanisms of ontogenesis, modern evolutionary theories, the role of the population, factors of evolution. The stages of anthropogenesis, the impact of ecology on development will be considered. The main problems of parasitism will be summed up.

3. GOAL OF THE COURSE

The main goal of the Biology course is to provide students with basic knowledge in the field of cell biology, genetics, developmental biology, micro- and macro-evolution, anthropogenesis, general biology, parasitology and human ecology.

4. EDUCATIONAL FINAL RESULTS. At the end of the course the student should:

Know:

K1- Theory of biological systems, their organization, molecular mechanisms of processes in norm and pathology.

K2- Cellular structure of living organisms, evolutionary hypotheses of the origin of cell membrane components, molecular mechanisms of transport, intercellular interactions, modification of energy in the cell.

K3 - Principles of regulation of gene expression, mechanisms and processes of use, transmission, storage of biological information in the cell.

K4 - Structural and functional organization of genetic material, features of the genome of eukaryotic and prokaryotic organisms, organization of the human genome.

K5 - Cytological bases of various forms of reproduction of organisms.

K6- New approaches to the treatment of human diseases, gene and cell therapy. Methods of future medicine.

Be able to:

A1- Use scientific, educational, popular science literature, use the Internet to develop professional activities.

A2- Use laboratory equipment, work with a microscope.

A3- Represent the molecular processes taking place in a cell using generalized diagrams.

A4- Analyze and reproduce molecular models of DNA replication and protein biosynthesis processes.

Possess:

P1- Skills of expressing the studied objects and processes in the form of graphs.

P2- Skills of drawing pictures and diagrams depicting the causes and mechanisms of the birth of children with chromosomal pathology.

5. LITERATURE

1. Chair material
2. M.T. Madigan, K.S. Bender, D.H. Buckley, W.M. Sattley, D.A. Stahl,15th edition of "Brock Biology of Microorganisms", Pearson NY, 2018, 1064 p.
3. S.R. Goodman "Medical Cell Biology" 3th edition, Academic Press, Elsevier, 2008, 336 p.

4. В.Ф. Сыч. Общая биология. Учебник для студентов высших учебных заведений. В 2-х томах, Ульяновск, УлГУ. 2005.
5. В. М. Константинов, А.Г.Рязанов, Е.О. Фадеева. Общая биология. Учебник для студентов образоват. учреждений среднего проф. образования - М.: «Академия», 2004.
6. В.Б. Захаров, С.Г. Мамонтов, Н.И. Сонин. Общая биология: учебник для общеобразовательных учреждений. - М.: Дрофа, 2004. Рекомендовано Министерством образования РФ.
7. “General Biology” Wikibooks.org, 2013, 189 p.
8. Glik B., Pasternak J. Molecular Biotechnology, 2002, 590 c.
9. Thieman W.J., Palladino M.A. “Introduction to Biotechnology” Second Edition, Pearson International Edition, 2009, 343 p.
10. Т.А. Егорова, С.М. Клунова, Е.А. Живухина. Основыбиотехнологии. М. Academia, 2003, 208 с.
11. Л.А. Лутова. Биотехнология высших растений. Изд-во С-Петербургского университета, 2003, 227 с.
12. Oliver Brandenberg, Zephaniah Dhlamini, Alessandra Sensi, Kakoli Ghosh, Andrea Sonnino “Introduction to Molecular Biology and Genetic Engineering”, Food and Agriculture Organization of the United Nations Rome, 2011, 146p.
13. Сассон А. Биотехнология: свершения и надежды. “Мир”, М., 1987.
14. Սիսակյան Ս., Ընդհանուր և բժշկական կենսաբանություն, Երևան, 2002:

6. ASSESSMENT COMPONENTS	POINT
Attendance	16
Assessment of knowledge acquisition, abilities and skills	70
Independent individual work	14

7. ASSESSMENT SYSTEM /RATING / SYSTEM

Mark	Assessment Point	Assessment letter
"Excellent"	96-100 90-95	A+ A
"Good"	80-89 70-79	B+ B
"Satisfactory"	60-69 51-59	C+ C
"Unsatisfactory"	50 and below	D
"Tested"	≥51	S
"Untested"	< 51	U

NAME OF THE COURSE	**MICROBIOLOGY, VIROLOGY, IMMUNOLOGY**		
TYPE OF COURSE	Mandatory		
EDUCATIONAL LEVEL	CONTINUOUS AND INTEGRATED EDUCATIONAL PROGRAM		
THE FORM OF TRAINING	Full time		
PROFESSION	Dentist		
FACULTY	Dentistry		
COURSE	II	SEMESTER	III, IV
ACADEMIC YEAR	2020-2021		

CREATOR	PhD, Associate prof. Hovik Panosyan PhD Armine Margaryan
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CHAIR	Medical-Biological subjects
CLINICAL BASE	-
HEAD OF CHAIR	PhD Naira Hunanyan

COURSE VOLUME

Year	Semester	Credit	Academic week	Weekly hour	Total hour	Total class. hour	Lecture hour	Pract. Lab. hour	Individual work hour	Lecturers' consultation	Examination	Test
II	**III**	4	17	4	120	68	20	48	34	18		+
	IV	4	15	4	120	60	20	40	42	12	6	
Total		**8**	**32**	**8**	**240**	**128**	**40**	**88**	**76**	**30**	**6**	

1. PRECONDITION. As a basis for mastering the course, you need the following knowledge, skills and abilities, which have been developed through the school curriculum:

Knowledge:

1. The origin of life, the levels of formation of living organisms, the structural-functional features of living organisms, their development, phylogeny and evolution.
2. The chemical bases of living matter, the main groups of inorganic-organic substances, their role in the structural-functional features of living organisms. The role of biotic and abiotic factors in living organisms.
3. Structural levels of living organisms from cell to biocenosis. A systematic approach that will allow us to understand the integrity of individual structural and functional units of the organism and integration into each of the studied levels of organization of living organisms.

Abilities:

1. Analyze biological phenomena patterns of natural processes.
2. Understand the interaction of the constructive and energetic processes in living organisms.
3. Explain the structural and functional features of living organisms.

Possessions:

1. Ability to work with microscope, biological preparations, analyse modern scientific literature, prepare the theoretical part of the practical training on your own, prepare presentations and reports using computer equipment.
2. Prepare chemical solutions, get acquainted with the rules of safety in the laboratory.
3. Ability to work with laboratory equipment, have skills for making various preparations.

2. BRIEF CONTENT OF THE COURSE

Subject of medical microbiology, problems and developmental stages, main groups of bacteria, structural-metabolic features of bacteria, classification. Key aspects of infections, epidemiology, immunotherapy, immunoprophylaxis and immunodiagnostic. General virology, normal human microbiota, bacterial detection methods, diseases caused by Gram-positive and Gram-negative bacteria, mycoplasmas, viruses, protozoa. Mycoses.

Oral microbiota, bacterial adhesion to cavities, pathogens of tooth decay, pulpitis, periodontitis and paradontitis.

3.GOAL OF THE COURSE

To develop proper professional understanding on the distribution, classification and properties of bacteria, normal human microbiota, immunity, epidemiology, prevention and treatment of diseases caused by pathogenic bacteria.

4. EDUCATIONAL FINAL RESULTS. At the end of the course the student should:

Know:

K1. Understanding of general bacteriology,
K2. Rules of work and safety techniques in bacteriological laboratories,
K3. The role of the human body in the formation of symbiotic processes between bacteria, the role of the microbiota on the development of opportunistic diseases and normal human microbiota,
K4. Mechanisms for obtaining antibiotic resistance of bacteria and their determination,
K5. The role of bacteria in the etiology of major human infectious diseases and its pathogenesis,
K6. Microbiological diagnostic methods.

Be able to:

A1. Apply bacteriological methods and analyze the results of the main laboratory diagnostics - microbiological, molecular-biological-immunological methods,
A2. Substantiate the choice of bacteriological, serological-immunological diagnosis in case of infectious-opportunistic diseases, analyze the obtained results, substantiate the choice of research material in case of diagnosis of infectious-opportunistic disease,
A3. Apply acquired knowledge to make tactics of antibacterial, antiviral and immunotropic therapy, apply urgent prevention and antitoxic therapy.

Possess:

P1. Basic methods of sterilization, disinfection, basic diagnostic skills based on the results of laboratory (bacteriological-immunological) examinations of adult and young patients,
P2. Basic skills to work with material containing pathogenicor opportunistic pathogenic bacteria,
P3. Methodology for selection of antimicrobial and immunobiological preparations for the adequate prevention and treatment of infectious and non-infectious diseases.

5. LITERATURE

1. Chair material

2. Շեկոյան Վ., Մանուկյան Կ. Բժշկական մանրէաբանություն, վիրուսաբանություն և իմունաբանություն: Երևան, ԵՊԲՀ հրատարակչություն, 2009, 478 էջ:
3. Поздеев О.К. Медицинская микробиология, Москва, Геотар-Мед, 2001, 765 с.
4. Brooks G.F., Morse S.A., Carroll K.C., Mietzner T.A., Butel J.S., Jawetz, Melnick, & Adelberg's Medical Microbiology. 26th Edition, New York, Chicago, San Francisco, Lisbon, London, Madrid, Mexico City, Milan, New Delhi, San Juan, Seoul, Singapore, Sydney Toronto, Copyright © 2013 by The McGraw-Hill Companies.
5. Brock Biology of Microorganisms. Madigan M.T., Martinko J.M., Dunlap P.V., Clark D.P., 13th ed., Pearson, 2012, 1152 p.
6. Practical handbook of microbiology. Eds, Goldman E. and Green L.H. 2nd ed. CRC Press. Taylor & Francis Group, 2009, 854 p.
7. Dahlén G., Fiehn N.-E., Olsen I., Dahlgren U. Oral Microbiology and Immunology, Munksgaard Danmark, 2014.

6. ASSESSMENT COMPONENTS	POINT
Attendance	16
Assessment of knowledge acquisition, abilities and skills	70
Independent individual work	14

7. ASSESSMENT SYSTEM /RATING / SYSTEM

Mark	Assessment Point	Assessment letter
"Excellent"	96-100 90-95	A+ A
"Good"	80-89 70-79	B+ B
"Satisfactory"	60-69 51-59	C+ C
"Unsatisfactory"	50 and below	D
"Tested"	≥51	S
"Untested"	< 51	U

NAME OF THE COURSE	**HUMAN ANATOMY**		
TYPE OF COURSE	Mandatory		
EDUCATIONAL LEVEL	CONTINUOUS AND INTEGRATED EDUCATIONAL PROGRAM		
THE FORM OF TRAINING	Full-time		
PROFESSION	Dentist		
FACULTY	Dentistry		
COURSE	I, II	SEMESTER	I, II, III
ACADEMIC YEAR	2020-2021		

CREATOR	DMed Sc Arsen Minasyan PhD Laura Avagyan Nina Khlghatyan
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CHAIR	Medical – Biological subjects
CLINICAL BASE	-
HEAD OF CHAIR	PhD Naira Hunanyan

COURSE VOLUME

Year	Semester	Credit	Academic week	Weekly hour	Total hour	Total class hour	Lecture hour	Pract. Lab. hour	Individual work hour	Lecturers' consultation	Examination	Test
I	I	4	17	4	120	68	18	50	34	12	6	
	II	4	17	4	120	68	20	48	34	12	6	
II	III	4	17	4	120	68	24	44	34	12	6	
Total		**12**	**51**	**12**	**360**	**204**	**62**	**142**	**102**	**36**	**18**	

1. PRECONDITION. As a basis for mastering the course, you need the following knowledge, skills and abilities, which have been developed through the school curriculum:

Knowledge:

1. Life and living organisms, their physical-chemical structure, function, development and evolution;
2. Chemical elements, cations, anions, main groups of inorganic-organic substances, their structure, properties and functions;
3. Cellular, tissue, organ, organ systems, structural levels of the whole organism. A systematic approach that will allow us to understand the integrity of individual structural and functional units of the organism and integration into each of the studied levels of organization of living organisms. Human ontogeny. Characteristics of oogenesis and spermatogenesis in humans. Phylogeny of organ systems in Cordians.

Abilities:

1. Analyze biological phenomena and patterns of natural processes,
2. Composition of synthesis and degradation reactions,
3. Explain the structure, composition and functions of human organ systems.

Possessions:

1. Be able to work with molds, skeletons and animal preparations, work with biological literature, lecture transcripts, as well as work with the theoretical part of practical classes,
2. Use of hypo- and hypertonic, physiological solutions in biological research,
3. Work with templates and macro preparations.

2. BRIEF CONTENT OF THE COURSE

The Human Anatomy course examines the human body at the level of organs, organ-systems, and organism (systemic anatomy). During the first semester, students study osteology, arthrology, myology, during the second semester - endocrinology, spancnology, vasculology, during the third semester - neurology and aesthesiology.

3. GOAL OF THE COURSE

It studies the human body at the level of organs, organ systems and organism (system anatomy).

The main goal of mastering the course is to create lasting, deep knowledge among students, based on which students will be able to:

1. Understand the structural features of the human body as a whole and corresponding organ, organ-system levels.

To master the Armenian-Latin (Greek) terminology according to the international anatomical nomenclature.

3. Learn how to make dissections - show anatomical formations on natural preparations.

4. To comment on the embryonic and post-embryonic developmental stages of human organs, variants of organ variability, congenital defects.

5. Describe the structural, sexual, age-individual features of the human body, study the anatomy of the maxillo dental system in depth.

6. Realize the structural-functional interdependence and unity of human organs.

7. Apply the acquired knowledge later in the study of clinical subjects, as well as in the practice of the future doctor.

4. EDUCATIONAL FINAL RESULTS. At the end of the course the student should:

Know:

K1. Features of the structure of the human body as a whole and the corresponding organ, organ-system levels, including basic knowledge about the anatomical features of the masticatory apparatus.

K2. Performing dissections and showing anatomical formations on natural preparations.

K3. Armenian-Latin (Greek) anatomical terminology according to the international anatomical nomenclature.

K4. Stages of embryonic and post-embryonic development of organs, variants of organ variability, congenital defects.

K5. Structural, sexual, age-individual features of the human body.

Be able to:

A1. Use educational, scientific, popular literature and the Internet for professional activities.

Possess:

P1. Identification of anatomical orientations necessary for physical examination of a living person (palpation, percussion, auscultation).

5. LITERATURE

1. Chair material.

2. Martin Atkinson. Anatomy for Dental Students [4 ed.], Oxford University Press, USA, 2013.
3. Gray's Anatomy, 41st Edition, 2016
4. Frank H. Netter Atlas of Human Anatomy 6th Edition, 2014
5. Keith L. Moore Clinically Oriented Anatomy 7th Edition, 2017
6. Ա.Ա.Սարաֆյան, Գ.Պ. Քյալյան, Մարդու անատոմիա, 1995
7. Сапин М.Р. Анатомия человека. - М.: Медицина, 2009 в 2-х томах
8. М. Р. Сапин, Д. Б. Никитюк НОРМАЛЬНАЯ И ТОПОГРАФИЧЕСКАЯ АНАТОМИЯ ЧЕЛОВЕКА. В 3 томах. (2007)
9. Pocket Atlas of Human Anatomy Feneis H., Dauber W, 2012
10. Колесников Л.Л., Чукбар А.В. Анатомия зубов. - М.: "Медицина XXI", 2007 г.
11. Клиническая анатомия зубов человека. Горбунова И.Л., Москва "Медицинская книга", 2006г.
12. Синельников Р.Д. Атлас анатомии человека. - М.: Медицина, 1996 в 4-х томах
13. Гайворонский И.В. Норм. Анатомия человека: В 2т: Учеб. – СПб. : Спец. литр.,2003-2004.
14. Привес М.Г., Лысенков Н.К., Бушкович В.И. Анатомия человека.- 11-е изд., испр. и доп. - СПб. : Гиппократ, 2001
15. Сапин М.Р. Атлас нормальной анатомии человека. М: Мед пресс информ, 2006-2007.
16. Клиническая анатомия - Учебное пособие (2 тома) - Кирпатовский И.Д., Смирнова Э.Д. - 2003 год

6. ASSESSMENT COMPONENTS	POINT
Attendance	16
Assessment of knowledge acquisition, abilities and skills	70
Independent individual work	14

7. ASSESSMENT SYSTEM /RATING / SYSTEM

Mark	Assessment Point	Assessment letter
"Excellent"	96-100 90-95	A+ A
"Good"	80-89 70-79	B+ B
"Satisfactory"	60-69 51-59	C+ C
"Unsatisfactory"	50 and below	D
"Tested"	≥51	S
"Untested"	< 51	U

NAME OF THE COURSE	**NORMAL PHYSIOLOGY**		
TYPE OF COURSE	Mandatory		
EDUCATIONAL LEVEL	CONTINUOUS AND INTEGRATED EDUCATIONAL PROGRAM		
THE FORM OF TRAINING	Full-time		
PROFESSION	Dentist		
FACULTY	Dentistry		
COURSE	II	SEMESTER	III, IV
ACADEMIC YEAR	2020-2021		

CREATOR	PhD H. Yu. STEPANYAN DMed Sc S. SARGSYAN
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CHAIR	Medical – Biological subjects
CLINICAL BASE	-
HEAD OF CHAIR	PhD Naira Hunanyan

COURSE VOLUME

Year	Semester	Credit	Academic week	Weekly hour	Total hour	Total class hour	Lecture hour	Pract. Lab. hour	Individual work hour	Lecturers' consultation	Examination	Test
II	III	4	17	4	120	68	24	44	34	18		+
	IV	4	15	4	120	60	22	38	42	12	6	
Total		**8**	**32**	**8**	**240**	**128**	**46**	**82**	**76**	**30**	**6**	

1. PRECONDITION. As a basis for mastering the course, you need the following knowledge, skills and abilities, which have been developed through the school curriculum:

Knowledge:

- Basic laws, phenomena and processes of physics, the nature of physical factors effect on the organism, physical phenomena laying in the base of processes going on in human organism, the physical principles of the work of medical devices,
- The biochemical nature of the processes that existing at the molecular and cellular levels of a living organism, structure and chemical properties of biologically important compounds main classes, the role of cell membranes and their transport systems in the metabolic processes, the safety rules for working with chemical substances in the laboratories.
- The general consistent pattern of human ontogenesis, life origin and development, laws of genetics, the knowle on the cells biology, homeostasis, regeneration, ecology, the safety and working rules with animals in the biological laboratories,
- Anatomical, age-sex related and individual features of the structure and development of the human body,
- The structural features of cells, tissues and organs, methods of their study,
- The role of famous physiologists in the development of medical science, their most known

discoveries,

- The knowledge of medical, anatomical, physiological main terms in latin.

Abilities:

- With the help of Chemistry laws to explain the physiological processes and the influence mechanisms of biologically active substances,
- To explain the role of ecology factors in physiological processes,
- To represent the organ-systems anatomical and morpho-functional characteristics in the organism.
- To assess histophysiological state of cells, tissues and organs in the human body.

Possessions:

- Skills to work with substances and devices in the laboratory.
- Skills to work with magnifying devices.

2. BRIEF CONTENT OF THE COURSE

The normal physiology course comprises 2 semesters of classes.

The following sections are included in the III semester: physiology of the blood, digestive system, metabolism of energy and thermoregulation, physiology of the muscles, nerve fibers, excitable tissues. Physiology of the excretory, cardio-vascular, respiratory, endocrine, central nervous, sensory systems and higher nervous activity are included in the IV semester. Physiology of the maxillofacial region is also included. This section is for acquainting students with functioning properties of the maxillofacial organs, introducing communicatory and respiratory functions of the oral cavity, interaction of oral and maxillofacial organs with different organ systems, pain and nociception, and peculiarities of the toothache.

3. GOAL OF THE COURSE

The goal of the course is to teach vital functions the of cells, organ-systems and the organism, the neurohumoral mechanisms of their regulation, functional regulation and modeling principles, which, eventually, will be the basis and simplify the studying of medical subjects, in students, to form a concept on functioning patterns of maxillofacial organs.

4. EDUCATIONAL FINAL RESULTS. At the end of the course the student should:

Know:

K1. Functions of human organism, the main principles and mechanisms of their regulations (at the molecular, cellular, organ, organ – system, and organism levels),

K2. The morpho – functional features of human organism,

K3. The age-specific features of physiological functions, their specifities during the physical and mental work,

K4. Generation of Excitation and Inhibition, the modeling principles of physiological functions,

K5. The main physiological concepts and terms applied in medicine.

Be able to:

A1. To make calculations based on the results of tasks and experiments,

A2. To analyse the experimental research data of physiological functions of blood, heart, vessels, lungs, other organs and systems in norm.

Possess:

P1. Skills to work with the simplest medical instruments (neurological hammer, lancet, medical tweezers, clamps etc.),

P2. Skills to measure the main functional indicators of organism (blood parameters, blood pressure, pulse, temperature etc.).

5. LITERATURE

1. Chair material
2. Arthur C. Guyton, John E. Hall. **Textbook of Medical Physiology.** Twelfth edition. ISBN:978-1-4160-4574-8, 2011.
3. Lauralee Sherwood. **Human Physiology: From Cells to Systems.** Seventh edition. ISBN-13: 978-0-495-39184-5. 2010.
4. **Human physiology.** Stuart Ira Fox, USA, 12th edition. ISBN 978-0-07-337811-4, 2011.
5. **Физиология человека.** Р. Шмидт, Г. Тевс, Платон Костюк, Мир,2005.
6. Ս.Մ. Մինասյան, Ծ.Ի. Ադամյան, Ն.Վ. Սարգսյան, «**Մարդու ֆիզիոլոգիա**», Երևան, «Զանգակ-97», 2009թ.:
7. **Մարդու ֆիզիոլոգիայի հիմունքներ:** Դ.Ն. Խուդավերդյան, Վ.Բ. Ֆանարջյան, Երևան, 1998:
8. Косицкий Г.И. **Нормальная физиология**, М., 1984г.
9. **Նորմալ ֆիզիոլոգիայի գործնական աշխատանքների ձեռնարկ,** Սարգսյան Ս.Հ., ուսումնամեթոդական ձեռնարկ, ԱԲՀ, Երևան, 2004.

6. ASSESSMENT COMPONENTS	POINT
Attendance	16
Assessment of knowledge acquisition, abilities and skills	70
Independent individual work	14

7. ASSESSMENT SYSTEM /RATING / SYSTEM

Mark	Assessment Point	Assessment letter
"Excellent"	96-100 90-95	A+ A
"Good"	80-89 70-79	B+ B
"Satisfactory"	60-69 51-59	C+ C
"Unsatisfactory"	50 and below	D
"Tested"	≥51	S
"Untested"	< 51	U

NAME OF THE COURSE	**HISTOLOGY, EMBRYOLOGY, CYTOLOGY**		
TYPE OF COURSE	Mandatory		
EDUCATIONAL LEVEL	CONTINUOUS AND INTEGRATED EDUCATIONAL PROGRAM		
THE FORM OF TRAINING	Full-time		
PROFESSION	Dentist		
FACULTY	Dentistry		
COURSE	I, II	SEMESTER	II, III
ACADEMIC YEAR	2020-2021		

CREATOR	PhD Naira Hunanyan PhD Evelina Hakobjanyan
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CHAIR	Medical – Biological subjects
CLINICAL BASE	-
HEAD OF CHAIR	PhD Naira Hunanyan

COURSE VOLUME

Year	Semester	Credit	Academic week	Weekly hour	Total hour	Total class hour	Lecture hour	Pract. Lab. hour	Individual work hour	Lecturers' consultation	Examination	Test
I	**II**	4	17	4	120	68	18	50	34	18		+
II	**III**	4	17	4	120	68	16	52	34	12	6	
Total		**8**	**34**	**8**	**240**	**136**	**34**	**102**	**68**	**30**	**6**	

1. PRECONDITION. As a basis for mastering the course, you need the following knowledge, skills and abilities, which have been developed through the school curriculum:

Knowledge:

- General patterns of the origin and development of life, properties of biological systems, knowledge of the human origin and individual development, as well as the general patterns of embryonic development of different animal species,
- Main patterns of evolutionary changes of the organs and organ systems in human,
- Basics of Genetics and Cell Theory, structure of cells and extracellular elements,
- General patterns of the structural organization of the human body, structural - functional relationships between different parts of the body,
- Structure and location of organs and organ-systems, their functions in different age groups,
- Location of autonomic nervous system vessels, nerves and ganglia,
- The microscopic methods for studying biological strutures (light and electron microscopy), based on the knowledge of optics and mathematics,
- Physical methods of study, for evaluation of the impact of external and internal fators on the metabolic processes of organs and organ- systems,
- Knowledge of the laws and patterns of Mathematics and Physics, to explain the structural and functional features of membranes in Cytology (transport of substances via the cell membrane etc.),
- Knowledge of the medical terminology in Latin,

- Knowledge of the General and Bioorganic chemistry is required:
  - To understand the nature of biochemical processes in cells, tissues and organs,
  - To understand the staining mechanism of histological specimens,
  - To know various hormones, biologically active substances, other chemical components.

Abilities:

- To use the laboratory devices, work with microscope,
- To determine mitotic activity of tissues,
- To explain the nature of aberrations emerging during development, which bring to formation of various defects,
- To get oriented in the structure and location of organs in anatomical preparations: to show and correctly name the organs in English and Latin.

Possessions:

- Student has to own the system of medical-anatomical concepts.

2. BRIEF CONTENT OF THE COURSE

Histology, embryology, cytology course comprises 2 semesters of classes. The following sections are included in the II semester: cytology- studying the vital functions and structure of the human cells – cell membrane, nucleus, organelles and inclusions, cell renewal and death, embryology - studying the embryonic development and the initial stages of the fetal period, general histology – studying the main tissues of the human body, functional and cellular elements of various tissues. The section of microscopic anatomy is included in the III semester- studying the structure of organs and organ systems in macroscopic, microscopic and electron microscopic levels, also, taking into account their functions. Histology of the oral cavity is of great interest to the dental students.

3. GOAL OF THE COURSE

The goal of the course is to form scientific ideas about development and microscopic morphology of human cells, tissues and organ systems, including the organs of oral cavity, which, in further, will be basis for the study of clinical subjects and development of medical thinking.

4. EDUCATIONAL FINAL RESULTS. At the end of the course the student should:

Know:

K1. Methods of histological examination, the structure of the microscope,
K2. Preparation of specimens and staining methods for microscopy,
K3. Structure, development and location peculiarities of the cells, tissues, organs, and organ systems in terms of interaction with their functions,
K4. Main patterns of activity and development of organism due to the structural features of cells, tissues and organs, histofunctional fatures of the tissues, their study methods,
K5. The physicochemical nature of the processes existent in the living organism, that take place on the molecular, cellular, tissue and organ levels,
K6. Structure and development of the oral cavity organs, including teeth, types and histofunctional features of the oral mucosa.

Be able to:

A1. Work with magnifying devices (microscopes, optical and simple magnifying glasses),
A2. Describe the structure of cells and tissues, record the histophysiological assessment of varied situations,
A3. Determine correctly the microstructure, location, histological description and correct names of

organs and their constituents.

Possess:

P1. Microscopy skills, examination of histological specimens and analysis of the light and electron micrographs.

5. LITERATURE

1. Chair Material
2. **Anthony L. Mescher.** ***Junqueira's Basic Histology.*** Text and Atlas. 14th edition, ISBN 978-0-07-184268-6, Mc Graw Hill Education, LANGE, 560 pp., 2016.
3. **Michael H. Ross, Wojciech Pawlina.** ***Histology*** *(with correlated cell and molecular biology).* A Text and Atlas. Sixth Edition, ISBN 978-0-7817-7200-6. Two Commerce Square 2001, Market Street, Philadelphia, PA 19103, 975 pp., 2011.
4. **Leslie P. Gartner, James L. Hiatt.** ***Histology.*** A Text and Color Atlas. Sixth Edition, ISBN 978-1-4511-1343-3. Two Commerce Square, 2001 Market Street, Philadelphia, PA 19103, Lippincott Williams & Wilkins, 525 pp., 2014.
5. **Sadler T. W.** ***Langman's medical embryology***, 12th ed. ISBN 978-1-4511-1342-6, Copyright © 2012 Lippincott Williams & Wilkins, a Wolters Kluwer business. 351 West Camden Street Two Commerce Square Baltimore, MD 21201 2001 Market Street Philadelphia, PA 19103.
6. **G. S. Kumar, US editor S.N. Bhaskar.** ***Orban's Oral Histology & Embryology.*** **13th** edition, ISBN 978-08-016-0239-9, 427 pp., 2011.
7. ***Гистология.*** **Учебник, 2-е изд. Под ред. Улумбекова Э. Г., Челышева Ю.А.** Москва, ГЭОТАР-МЕД, ISBN 5-9231-0228-5, 672 стр., 2002.
8. **Быков В.Л.** ***Частная гистология человека.*** 2-е изд, СОТИС, Санкт-Петербург, ISBN 5-85503-116-0, 298 стр., 1999.
9. **Кузнецов С.Л.**, **Мушкамбаров Н.Н., Горячкина В.Л.** ***Атлас по гистологии, цитологии и эмбриологии.*** Москва, МИА, ISBN 5-89481-055-8, 374 стр., 2002.
10. **Алмазов И.В., Сутулов Л.С.** ***Атлас по гистологии и эмбриологии.*** Москва, "Медицина", 544 стр., 1978.
11. **Սահակյան Կ.Թ.** ***Հյուսվածաբանություն***, Երևանի Մ. Հերացու անվան պետական բժշկական համալսարան, 2013թ.

6. ASSESSMENT COMPONENTS	POINT
Attendance	16
Assessment of knowledge acquisition, abilities and skills	70
Independent individual work	14

7. ASSESSMENT SYSTEM /RATING / SYSTEM

Mark	Assessment Point	Assessment letter
"Excellent"	96-100 90-95	A+ A
"Good"	80-89 70-79	B+ B
"Satisfactory"	60-69 51-59	C+ C
"Unsatisfactory"	50 and below	D
"Tested"	≥51	S
"Untested"	< 51	U

NAME OF THE COURSE	**PATHOLOGICAL ANATOMY**		
TYPE OF COURSE	Mandatory		
EDUCATIONAL LEVEL	CONTINUOUS AND INTEGRATED EDUCATIONAL PROGRAM		
THE FORM OF TRAINING	Full-time		
PROFESSION	Dentist		
FACULTY	Dentistry		
COURSE	II, III	SEMESTER	IV, V
ACADEMIC YEAR	2020-2021		

CREATOR	PhD, Associate prof. Lusine Aghabekyan DMed Sc Asadur Namagerdi Hasmik Barseghyan
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CHAIR	Medical – Biological subjects
CLINICAL BASE	"Surb Grigor Lusavorich" Medical Center
HEAD OF CHAIR	PhD Naira Hunanyan

COURSE VOLUME

Year	Semester	Credit	Academic week	Weekly hour	Total hour	Total class hour	Lecture hour	Pract. Lab. hour	Individual work hour	Lecturers' consultation	Examination	Test
II	**IV**	3	15	3	90	45	20	25	33	12		+
III	**V**	4	17	4	120	68	22	46	34	12	6	
Total		**7**	**32**	**7**	**210**	**113**	**42**	**71**	**67**	**24**	**6**	

1. PRECONDITION. As a basis for mastering the course, you need the following knowledge, skills and abilities, which have been developed through the school curriculum:

Knowledge:

- General patterns of development and of the origin of life, human anthropogenesis and ontogenesis, laws of genetics and their importance in medicine, the principles of heredity and variability in individual development, as etiological and pathogenetic basics of hereditary and multi-etiological diseases basics of ecological , parasitic phenomena þ bioecological diseases, organ development defects, basic concepts and problems of the biosphere, ecology, parasitic phenomena, bio-ecological diseases.
- Chemical properties of the main classes of biologically active organic compounds, structure of the most important chemical compounds and Functions (nucleic acids, natural proteins, water-soluble vitamins, fats, hormones, etc.).
- Methods of physico-chemical analysis in medicine (titration, electrochemical, chromatographic, viscometric).
- The basic patterns of development of the bio-activity of the human organism, based on the

structural features of the cell, tissues and organs, histofunctional features of tissue elements, methods of their study. In the physical, chemical, biological laboratories, the safety rules for working with reagents, animals, materials, general patterns of origin and development, human anthropogenesis, ontogenesis, functional systems of the human body, their regulation, self-regulation in interaction with the external environment.

- Anatomical-physiological, age-sexual and individual properties of a healthy and diseased organism.
- Anatomical terms (Armenian and Latin), anatomy of organs and their systems, structural features, basic functions.
- Relationships of organs, their projection on the surface of the body.
- Classification of microorganisms and viruses, morphology and physiology, their impact on human health, methods of microbiological diagnosis, use of basic antibacterial, antiviral-biological preparations.
- The structure and functions of the human immune system, its structural features, cellular and molecular mechanisms of immune system development and activity, the main forms of the immune response, stages, hereditary control, methods of immunological diagnosis.
- Methods, principles and indications for assessment of immunological status, immunopathogenesis, basic methods of diagnosis of diseases of the human immune system, types and indications for the use of immunotropic treatment.

Abilities:

- Microscopic examination of histological preparations using a dry microscope system, composition of the family tree. Determination of hereditary trait, solution of genetic problems, diagnosis of pathogens, recognition of human parasitic diseases on preparations, slides and photos.
- Distinguish normal levels of metabolite levels in blood serum (glucose, urine, bilirubin, uric acid, lactic acid, pyrochloric acid, etc.) from pathologically altered, read a protein diagram and explain the reasons for the differences.
- Predict the direction of chemical transformations of biologically active substances and the results of physico-chemical processes that perform thermochemical calculations necessary for the formation of energy enzymes to study the basics of rational food.
- Comment on the results of the most common functional diagnostic methods used to detect diseases of the blood, cardiovascular, lung, kidney, liver and other organs. Determine and evaluate the results of electrocardiography, spirography, thermometry, hematological parameters.
- Work with magnifying equipment - microscope, optical - ordinary lenses; give histophysiological assessment of the condition of various cellular, tissue structures and organs.
- On organs and anatomical preparations, find and show correctly their parts, details of their structure, name them correctly in Armenian and Latin.
- Find individual organs, large vessels, nerves by the method of preparation.
- Schematically depict the main anatomical formations and organs.
- Work with magnifying equipment; microscope, optical - ordinary lenses, diagnose human pathogens with the help of preparations, slides, pictures, perform bacteriological-immunological diagnosis.
- Identify and assess the basic levels of human immune system formation, assess the mediating role of cytokines, substantiate the need for clinical and immunological examination of the patient, interpret the results of immune status assessment with first-class tests, comment on the main results of allergy diagnostic tests, substantiate the need for immunoregulatory therapy.

2. BRIEF CONTENT OF THE COURSE

The course studies General anatomic pathology including cellular pathology, general pathological processes which are present in all of the diseases (including blood diseases) and Systemic anatomic pathology involving the etiology, pathogenesis and morphologic patterns of all of the diseases.

The students study the oropharyngeal pathologies more deeply since it is more important in their future profession.

3. GOAL OF THE COURSE

The goal of the "Pathological Anatomy" course is to study the structural basis of diseases and of pathological processes, their etiology and origin, pathological manifestations, complications, study of the final outcome and death causes and further application of the acquired knowledge in clinical departments and in the practical work of a doctor-dentist.

4. EDUCATIONAL FINAL RESULTS. At the end of the course the student should:

Know:

K1. Terms used in pathological anatomy and basic research methods.

K2. Concepts of disease etiology, pathogenesis, morphogenesis, pathomorphosis, principles of disease classification.

K3. The essence and basic patterns of general pathological processes.

K4. Typical changes of internal organs in common diseases.

K5. Basics of clinical-anatomical analysis, principles of diagnosis of pathological-anatomical structure.

K6. Typical changes in opharyngeal pathology.

Be able to:

A1. To substantiate the nature of the pathological process and its clinical manifestations.

A2. Compare the etymological-clinical manifestations of diseases at different stages of their development.

A3. To determine the causes of diseases, pathogenesis, morphogenesis, their manifestations, complications and outcomes, such as pathomorphosis, and in case of death, the cause - mechanisms (tanatogenesis).

Possess:

P1. skills in working with pathology-anatomical and micro-macro-preparations, identification of typical pathological processes.

5. LITERATURE

1. Chair material
2. «Պաթոլոգիական անատոմիա», հեղինակ-խմբագիր՝ պրոֆ. Ն.Դ. Վարդազարյան, Երևան, 2006
3. «Патологическая анатомия». Под ред. А.И. Струкова, В.В. Серова. Учебник. Переиздание. – М.: ОАО Издательство «Медицина», 2015.
4. ROBBINS AND COTRAN PATHOLOGIC BASIS OF DISEASE, ninth edition, ISBN: 978-1-4557-2613-4© 2015 by Elsevier, Inc.
5. Vinay Kumar, Abul K. Abbas, Jon C. Aster. Robbins Basic Pathology, 9-th edition, 910, Copyright © Saunders 2013, an imprint of Elsevier Inc. Printed in Canada.

6. ASSESSMENT COMPONENTS	POINT
Attendance	16
Assessment of knowledge acquisition, abilities and skills	70

Independent individual work	14

7. ASSESSMENT SYSTEM /RATING / SYSTEM

Mark	Assessment Point	Assessment letter
"Excellent"	96-100	A+
	90-95	A
"Good"	80-89	B+
	70-79	B
"Satisfactory"	60-69	C+
	51-59	C
"Unsatisfactory"	50 and below	D
"Tested"	≥51	S
"Untested"	< 51	U

NAME OF THE COURSE	**PATHOLOGICAL PHYSIOLOGY**		
TYPE OF COURSE	Mandatory		
EDUCATIONAL LEVEL	CONTINUOUS AND INTEGRATED EDUCATIONAL PROGRAM		
THE FORM OF TRAINING	Full-time		
PROFESSION	Dentist		
FACULTY	Dentistry		
COURSE	III	SEMESTER	V, VI
ACADEMIC YEAR	2020-2021		

CREATOR	DMed Sc Asadur Namagerdi PhD Narek Mkrtchyan Lilit Sukiasyan
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CHAIR	Medical – Biological subjects
CLINICAL BASE	-
HEAD OF CHAIR	PhD Naira Hunanyan

COURSE VOLUME

Year	Semester	Credit	Academic week	Weekly hour	Total hour	Total class hour	Lecture hour	Pract. Lab. hour	Individual work hour	Lecturers' consultation	Examination	Test
III	V	3	17	3	90	51	20	31	25	14		+
	VI	4	15	4	120	60	22	38	42	12	6	
Total		**7**	**32**	**7**	**210**	**111**	**42**	**69**	**67**	**26**	**6**	

1. PRECONDITION. As a basis for mastering the course, you need the following knowledge, skills and abilities, which have been developed through the school curriculum:

Knowledge:

- Fundamentals of cytology, basic methods and laws of genetics and heredity research. Basic concepts and problems of biosphere and ecology. The phenomenon of parasitism and bio-ecological concepts.
- The main metabolic pathways of carbohydrates, fats, amino acids and proteins, their role in the morpho-functional patterns of the cell. The role of cell membrane and transporting systems in metabolism. The values of the main metabolic products (glucose, urine, uric acid, bilirubin, lactic acid, etc.) in the blood serum in norm.
- Functional features of organs and systems, regulatory mechanisms and peculiarities.
- Basic patterns of cells and tissues structure, morphology, location and development, morphofunctional features of histological elements, the main methods of their study.
- Classification, morphology and physiology of microorganisms and viruses, their impact on human health. Methods of bacteriological diagnosis, use of basic antibacterial, antiviral biological

preparations.

Abilities:

- Comment on the results of the most common functional diagnostic methods used for blood, heart, vessels, kidneys, liver, and other organs.
- Describe different cellular and tissue structures.
- Diagnose human parasitic pathogens on slides, preparations and photos.

Possessions:

- Master the skills of histological preparations observation and the electron microimages analysis.

2. BRIEF CONTENT OF THE COURSE

The "Pathological Physiology" course studies the general section of pathological physiology: the causes of disease occurrence, the course of development, the mechanisms of the effect of pathogenic factors, the ways of spreading, the pathophysiological specifications of disorders of the blood, cardiovascular systems, and the following private sections- pathophysiological features of respiratory, gastrointestinal, genitourinary, endocrine and nervous system disorders. Students study the pathophysiological factors of oropharyngeal pathologies in more detail, as they are directly related to their future profession.

3. GOAL OF THE COURSE

The goal of the course is to teach the basic regularities and mechanisms of disease development and human health, as well as to provide knowledge about disease etiology, pathogenesis, principles of therapy of clinical manifestations, and disease prevention.

4. EDUCATIONAL FINAL RESULTS. At the end of the course the student should:

Know:

K1. The etiology, pathogenesis and preventive measures of most common human pathologies and diseases; modern classification of diseases.

K2. Clinical manifestations of the most common diseases in different age groups, peculiar features of the course, possible outcomes, complications.

K3. Etiology, pathogenesis and manifestations of hereditary diseases and of those with the hereditary predisposition in humans, methods of detection.

K4. The main clinical manifestations of infectious diseases, laboratory and instrumental examination methods; the theoretical basis of the methods, analysis of results.

K5. Constitutional, gender-related, age-related and individual features of various pathologies in the human body.

Be able to:

A1. Use educational, scientific, popular literature and the Internet for professional activities.

A2. Implement and organize medical and preventive measures, taking into account the age, gender, social and professional peculiarities of the population.

Possess:

P1. Clinical diagnostic algorithms by referring the patient to appropriate specialists.

P2. To master the basic medical and therapeutic measures of the organization of first aid in life-threatening emergency situations.

5. LITERATURE

1. Chair material
2. Адо, Патологическая физиология, Москва, 2002

3. П. Литвицкий, Патофизиология, Москва, 2002
4. ROBBINS AND COTRAN PATHOLOGIC BASIS OF DISEASE, ninth edition, ISBN: 978-1-4557-2613-4© 2015 by Elsevier, Inc.
5. ROBBINS BASIC PATHOLOGY, ninth edition, ISBN: 978-0-323-35317-5 © 2013 by Elsevier Inc

6. ASSESSMENT COMPONENTS	POINT
Attendance	16
Assessment of knowledge acquisition, abilities and skills	70
Independent individual work	14

7. ASSESSMENT SYSTEM /RATING / SYSTEM

Mark	Assessment Point	Assessment letter
"Excellent"	96-100	A+
	90-95	A
"Good"	80-89	B+
	70-79	B
"Satisfactory"	60-69	C+
	51-59	C
"Unsatisfactory"	50 and below	D
"Tested"	≥51	S
"Untested"	< 51	U

NAME OF THE COURSE	**PHARMACOLOGY**		
TYPE OF COURSE	Mandatory		
EDUCATIONAL LEVEL	CONTINUOUS AND INTEGRATED EDUCATIONAL PROGRAM		
THE FORM OF TRAINING	Full-time		
PROFESSION	Dentist		
FACULTY	Dentistry		
COURSE	III	SEMESTER	V, VI
ACADEMIC YEAR	2020-2021		

CREATOR	Ghukasyan Nelli
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CHAIR	Natural sciences
CLINICAL BASE	–
HEAD OF THE CHAIR	PhD H.G. Javrushyan

COURSE VOLUME

Year	Semester	Credit	Academic week	Weekly hour	Total hour	Total class hour	Lecture hour	Pract. Lab. hour	Individual work hour	Lecturers' consultation	Examination	Test
III	**V**	3	17	3	90	51	16	35	30	9		+
	VI	3	15	3	90	45	16	29	27	12	6	
Total		**6**	**32**	**6**	**180**	**96**	**32**	**64**	**57**	**21**	**6**	

1. PRECONDITION. As a basis for mastering the course, you need the following knowledge, skills and abilities, which have been developed through the school curriculum:

Knowledge:

1. Anatomical, physiological, sex-age and individual features of the structure and development of a healthy and sick organism, functional systems of the organism, their regulation and self-regulation under the influence of the external environment in normal and pathological conditions.
2. Classification, morphology and physiology of viruses and microbes, their impact on human health, methods of microbiological diagnosis, use of basic antibacterial, antiviral and biological preparations.
3. Structure and function of the most important chemical compounds: nucleic acids, natural proteins, water-soluble and fat-soluble vitamins, hormones.

Aabilities:

1. Perform preliminary diagnosis - synthesize information about the patient in order to find out the causes and pathology of the disease.

Possessions

1. To work with biological literature, transcripts of lectures, as well as to work with the theoretical part of practical classes.
2. Conduct experimental work on experimental animals.

2. BRIEF CONTENT OF THE COURSE

The "Pharmacology" course provides knowledge of the clinical pharmacological characteristics of the main group of pharmacological agents and knowledge of the rational selection of certain pharmacological agents in emergency situations and major pathological syndromes, taking into account the anti-doping legislation.

3. GOAL OF THE COURSE

The main goal of the course is to teach the basic knowledge of drug treatment in various pathological conditions, the effect of pharmacological agents on the organism and the effect of the organism on pharmacological agents, indications and contraindications for the use of pharmacological agents, ways of obtaining new drugs, to know the differentiation of drug therapy for treatment and diagnostic purposes, for different groups of the population. Teach prescribing rules.

4. EDUCATIONAL FINAL RESULTS. At the end of the course the student should:

Know:

K1. The classification and the general characteristics of pharmacological agents, pharmacodynamics and pharmacokinetics, indications for use, contraindications and side effects.

K2. The general principles of formulation of prescriptions and prescribing of pharmacological agents.

K3. Theoretical foundations of information collection, storage, search, processing, transformation, dissemination in biological and medical systems, application of information computer systems in medicine and healthcare.

Be able to:

A1. To use educational, scientific literature, the Internet in order to develop professional activities.

A2. the effects of pharmacological agents and the possibilities of their use for therapeutic treatment based on their pharmacological properties.

A3. To write prescriptions, to apply different pharmacological forms of pharmacological agents in case of certain pathological conditions, based on their pharmacodynamic and pharmacokinetic characteristics.

A4. To evaluate the possible unwanted phenomena in case of overdose of pharmacological agents and ways of their elimination.

A5. To establish the principles of pathological therapy of the most common diseases.

Possess:

P1. The ability to use pharmacological agents for the treatment, recovery and prevention of various diseases and pathological conditions.

P2. Basics of first aid, diagnostic and therapeutic measures performed during situations accompanied by immediate and life-threatening immune disorders.

5. LITERATURE

1. Chair material.
2. Lippincott pharmacology 7-th edition.
3. Medical pharmacology 5th edition

4. Ս. Շ. ՍԱՔԱՆՅԱՆ, «Ֆարմակոլոգիա», «Լույս» հրատարակչություն, Երևան, 1985
5. Է. Գաբրիելյան, Վ. Հակոբյան, Է. Ամրոյան, Ռ. Բեկյան, Ռ. Բորոյան «Դեղաբանություն», Երևան: Լիգանդ, 1992- 452 էջ:

6. ASSESSMENT COMPONENTS	POINT
Attendance	16
Assessment of knowledge acquisition, abilities and skills	70
Independent Individual work	14

7. ASSESSMENT SYSTEM /RATING / SYSTEM

Mark	Assessment Point	Assessment letter
“Excellent”	96-100 90-95	A+ A
“Good”	80-89 70-79	B+ B
“Satisfactory”	60-69 51-59	C+ C
“Unsatisfactory”	50 and less	D
"Tested"	≥51	S
"Untested"	< 51	U

NAME OF THE COURSE	**HYGIENE**		
TYPE OF COURSE	Mandatory		
EDUCATIONAL LEVEL	CONTINUOUS AND INTEGRATED EDUCATIONAL PROGRAM		
THE FORM OF TRAINING	Full time		
PROFESSION	Dentist		
FACULTY	Dentistry		
COURSE	III	SEMESTER	V
ACADEMIC YEAR	2020-2021		

CREATOR	PhD Associate Professor Albert Danilov PhD Anna Sargsyan Marine Voskanyan
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CHAIR	Social Medicine
CLINICAL BASIS	-
HEAD OF CHAIR	Ph.D Anna Ovchyan

COURSE VOLUME

Year	Semester	Credit	Academic week	Weekly hour	Total hour	Total class. hour	Lecture hour	Pract. Lab. hour	Individual work hour	Lecturers' consultation	Examination	Test
III	V	3	17	3	90	51	24	27	25	14		+
Total		3	17	3	90	51	24	27	25	14		+

1. PRECONDITION. As a basis for mastering the course, you need the following knowledge, skills and abilities, which have been developed through the school curriculum:

Knowledge:

1. General biology,botany,zoology,human anatomy.
2. Chemical elements,the main groups of inorganic-organic substances,their structure, properties and functions.
3. Cellular, tissue, organ, organ systems and structural levels of the whole organism.
4. Structural-functional features of bacteria, requirements for the occurrence of the disease.

Abilities:

1. Analyze biological phenomena and patterns of natural processes.
2. Classification of reagents and reactions. Composition of connection, demolition, replacement and exchange transformations.
3. Explain the structure,composition and functions of human organ-systems.
4. Distinguish the structure of cells with light and electronic microscopes.

Possessions:

1. Work with preparations
2. Work with literature

3. Use of materials in biological research.
4. Assessment of the survival characteristics of bacteria in the human body.

2. BRIEF CONTENT OF THE COURSE

The course “Hygiene” teaches atmospheric air, water hygiene, rational food, food poisoning, soil hygiene, climate and human health, hygiene features according to age groups, hygiene of medical institutions, human ecology, urbanization, household and industrial poisons and poi sonings, external environmental factors, their impact on human organism, work hygiene, features, field hygiene.

3. GOAL OF THE COURSE

The main goal of the “Hygiene” educational course is to give students basic knowledge about preventive medicine in accordance with international standards.

4. EDUCATIONAL FINAL RESULTS. At the end of the course the student should:

Know:

K1. Population health indicators, factors that shape human health (ecological, occupational, climatic, endemic, social, epidemiological, psycho-emotional, hereditary)

K2. Diseases associated with adverse effects of climatic and social factors.

K3. Hygienic aspects of food, hygiene of medical institutions, hygienic problems of medical and sanitary care of employees, organization of preventive measures, sanitary-educational works.

Be able to:

A1. Plan, analyze and assess the health status of the population and external environmental factors affecting it.

A2. Participate in the process of organizing preventive and sanitary-hygienic assistance to the population, taking into account its social-professional and age-gender structure.

Possess:

P1. Interpretation of complex results of diagnostic methods.

P2. General assessment of the state of health of the population, a separate group of people and individual health assessment.

5. LITERATURE

1. Chair material
2. Гигиена и экология человека: учебное пособие / В.М.Глиненко и др.. – М., 2010
3. Гигиена и экология человека /Трушкина Л.Ю., Трушкин А.Г., Демьянова Л.М.2-е изд., переработанное и дополненное. — Ростов н/Д.: Феникс, 2003. — 448 с. — ISBN 5-222-03039-3.
4. Гигиена детей и подростков / Кучма В.Р. – М., 2013.
5. Общая и военная гигиена / под ред. Лизунова Ю.В. и Кузнецова С.М. – Спб., 2012.
6. World Health Organization resources - http://www.who.int/en/.
7. Current Trends in Human Ecology, Edited by Priscila Lopes and Alpina Begossi. Cambridge Scholars Publishing, 2009.
8. General Hygiene & Environmental Health. Edited and Published by V. M. Zaporozhan, the State Prize-Winner of Ukraine, Academician of the Academy of Medical Sciences of Ukraine, 2005.

6. ASSESSMENT COMPONENTS	POINT
Attendances	16
Assessment of knowledge acquisition, abilities and skills	70
Independent individual work	14

7. ASSESSMENT SYSTEM /RATING / SYSTEM

Mark	Assessment Point	Assessment letter
"Excellent"	96-100 90-95	A+ A
"Good"	80-89 70-79	B+ B
"Satisfactory"	60-69 51-59	C+ C
"Unsatisfactory"	50 and below	D
"Tested"	≥51	S
"Untested"	< 51	U

NAME OF THE COURSE	**EPIDEMIOLOGY**		
TYPE OF COURSE	Mandatory		
EDUCATIONAL LEVEL	CONTINUOUS AND INTEGRATED EDUCATIONAL PROGRAM		
THE FORM OF TRAINING	Full time		
PROFESSION	Dentist		
FACULTY	Dentistry		
COURSE	III	SEMESTER	VI
ACADEMIC YEAR	2020-2021		

CREATOR	PhD associate professor Alert Danilov PhD Anna Sargsyan Arpine Arakelyan
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CHAIR	Social Medicine
CLINICAL BASE	-
HEAD OF CHAIR	Ph.D. Anna Ovchyan

COURSE VOLUME

Year	Semester	Credit	Academic week	Weekly hour	Total hour	Total class hour	Lecture hour	Pract. Lab. hour	Individual work hour	Lecturers' consultation	Examination	Test
III	VI	3	15	3	90	45	20	25	31	14		+
Total		**3**	**15**	**3**	**90**	**45**	**20**	**25**	**31**	**14**		

1. PRECONDITION. As a basis for mastering the course, you need the following knowledge, skills and abilities, which have been developed through the school curriculum:

Knowledge:

1. To study the spread of diseases in different groups of the population, to determine the cause and result connections.
2. Implementation of preventive measures in the focis of infection.

Abilities:

1. Possession of theoretical and practical knowledge of anti-epidemic measures.
2. Prevention of infectious diseases.
3. Implementation of preventive measures in the focis of infection.

Possessions:

1. Possession of theoretical and practical knowledge of anti-epidemic measures.
2. Possession of theoretical knowledge of public health and healthcare.
3. To be able to do first and medical aid in emergency situations and participate in medical evacuation.

2. BRIEF CONTENT OF THE COURSE

The course of "Epidemiology" examines the problems of the subject, the doctrine of the epidemic process, the factors of transmission of infectious diseases, the expression of the epidemic process, the principles of prevention and control of infectious diseases, immunoprophylaxis of infectious diseases,

the process of disinfection, epidemiology of respiratory and enteral diseases, Viral hepatitis and HIV, nosocomial infections and military epidemiology.

3. GOAL OF THE COURSE

The goal of the course is to study the causes of the spread of infectious diseases in human society, to use the acquired knowledge, to fight against those diseases, to prevent them, and finally to eliminate them completely.

4. EDUCATIONAL FINAL RESULTS. At the end of the course the student should:

Know:

K1. Description of epidemiology as a science of epidemiological process and as a medical science.

K2. Components of epidemiological methods and ingredients of epidemiological diagnosis.

K3. The groups of pidemic measures, and mean problems of different medical services.

K4. Basics of epidemiological control of infectious diseases.

Be able to:

A1. Perform a retrospective analysis of morbidity and mortality to determine the etiological factors.

A2. Implement the necessary comprehensive anti-epidemic measures in the foci of infectious diseases.

A3. Organize and maintain anti-epidemic regime in hospitals and other medical institutions.

A4. Organize immunization of infectious diseases.

Possess:

P1. The work of main methods of laboratory analyzies and equipment used in the epidemiology.

5. LITERATURE

1. Chair material
2. Ալեքսանյան Ա. Բ., «Ինֆեկցիոն և վիրուսային հիվանդությունների էպիդեմիոլոգիան և պրոֆիլակտիկան», Երևան, 1975 թ.:
3. Դեղձունյան Կ. Մ., Համբարձումյան Ա. Զ., «Համաճարակաբանություն», Երևան, 1999 թ.:
4. Беляков В. Д., Яфаев Р. Х., “Эпидемиология”, Москва, 1989 г.
5. “Руководство по эпидемиологии инфекционных болезней”, под ред. В. И. Покровского, Москва, 1990 г.
6. Черкасский Б. И., “ Эпидеиологический диагноз”, Москва, 1990 г.
7. Черкасский Б. И., “ Общая эпидемиология”, Москва, 2002 г.Черкасский Б. И., “Частная эпидемиология” /том 1, 2/, Москва, 2002 г.
8. Principles of epidemiology in public health practice. Third edition. U.S. Department of Health and Human Services.

6. ASSESSMENT COMPONENTS	POINT
Attendances	16
Assessment of knowledge acquisition, abilities and skills	70
Independent individual work	14

7. ASSESSMENT SYSTEM /RATING / SYSTEM

Mark	Assessment Point	Assessment letter
"Excellent"	96-100 90-95	A+ A
"Good"	80-89 70-79	B+ B
"Satisfactory"	60-69 51-59	C+ C
"Unsatisfactory"	50 and below	D
"Tested"	≥51	S
"Untested"	< 51	U

COURSE NAME	**PUBLIC HEALTH AND HEALTHCARE**		
COURSE TYPE	Mandatory		
EDUCATIONAL LEVEL	CONTINUOUS AND INTEGRATED EDUCATIONAL PROGRAM		
TRAINING FORM	Full-time		
SPECIALITY	Dentist		
FACULTY	Dentistry		
YEAR	IV	SEMESTER	VIII
ACADEMIC YEAR	2020 – 2021		

CREATOR	PhD Associate Professor Albert Danilov PhD Anna Sargsyan PhD Christine Hovhannesyan
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CHAIR	Social Medicine
CLINICAL BASE	-
CHAIR HEAD	PhD Anna Ovchyan

COURSE VOLUME

Year	Semester	Credit	Academic Week	Hours/week	Total hours	Total auditory hours	Classroom hours	Practical, lab., hours	Independent work hours	Lecturer's consultation	Examination	Test
IV	**VIII**	2	17	3	60	51	20	31	7	2		+
Total		**2**	**17**	**3**	**60**	**51**	**20**	**31**	**7**	**2**		

1. PRECONDITION. As a basis for mastering the course, you need the following knowledge, skills and abilities, which have been developed through the school curriculum:

Knowledge:

1. Epidemiology, medical statistics, hygiene, bacteriology.
2. Infectious diseases, diseases of the cardiovascular and nervous systems.
3. Therapeutic, surgical subjects, general practice.

Abilities:

1. Analyze biological phenomena and patterns of natural processes.
2. Explain the structure and functions of human organ systems.

Possessions:

1. work with computer and spreadsheets.
2. work with literature.

2. BRIEF CONTENT OF THE COURSE

The course "Public Health and Healthcare" studies medical statistics, population health examination, morbidity and physical development examination, healthcare organization main principles, urban

populationpreventive and treatment help organization, rural population medical help organization, industrial enterprises' workers medical-sanitary help organization, sanitary-epidemiological service organization, RA Ministry of Health system structure and system reform program, social insurance and social safety, working capability medical examination, immunoprevention main principles, neuropsychiatric, cardiovascular diseases, alcoholism, traumatism, tuberculosis, AIDS and malignant neoplasms as social problem, health economy important issues, WHO, hygienic education of the population.

3. GOAL OF THE COURSE

Course goal is to give students full professional idea on public effects on population health, based on which will be possible to make events to prevent and eliminate harmful conditions.

4. EDUCATIONAL FINAL RESULTS. At the end of the course the student should:

Know:

K 1. Theoretical principles of public health organization.

K 2. Principles of organizing medical-preventive care and sanitary-epidemiological service.

K 3. Basics of organizing measures to prevent the adverse effects of social and environmental factors on the health of the population.

K 4. Peculiarities of doctor's work in different medical, pediatric institutions and enterprises.

K 5. The essence of the district and dispensary methods.

Be able to:

A 1. Plan, analyze, assess the health status of the population, environmental factors affecting it.

A 2. Participate in the process of organizing preventive, sanitary and hygienic aid to the population, taking into account its socio-professional, age-gender structure.

A 3. Take preventive and sanitary measures.

A 4. Use the technical equipment used for work management in healthcare in, use the databases.

A 5. Analyze and evaluate electronic computing techniques used at different stages of processing employment records, reports and other information.

Possess:

P 1. The method of organizing a statistical research.

P 2. Process research data.

P 3. Analyze demographics of the population, indicators of illness, physical development, as well as temporary disability sheets.

P 4. Calculate intensive and extensible coefficients.

P 5. Evaluate the performance indicators of the inpatient and polyclinic.

5. LITERATURE

1. Chair material
2. http://chsrd.aua.am/epi/eng/
3. A dictionary of epidemiology, 4th edition, John M. Last, 2001
4. Oxford Textbook of Public Health. Roger Detels, Robert Beaglehole, Mary Ann Lansang, and Martin Gulliford, 2011
5. Իսկոյան Ա.Բ. , « ՀՀ էկոլոգիական իրավունք», Եր., 2000թ.
6. Медик В.А., Юрьев В.С., "Общественное здоровье",М., 2003г.
7. Миняева В.А., Вишнякова Н.И.,"Общественное здоровье и здравоохранение", М., 2006г.
8. Mahajan & Gupta; Textbook of Preventive and Social Medicine; 2013, Jaypee, London, 728p.
9. Лисицын Ю.П., "Общественное здоровье и здравоохранение" , М., 2010г.

6. ASSESSMENT COMPONENTS	POINT
Attendances	16
Assessment of knowledge acquisition, abilities and skills	70
Independent individual work	14

7. ASSESSMENT SYSTEM /RATING / SYSTEM		
Mark	Assessment Point	Assessment letter
"Excellent"	96-100 90-95	A+ A
"Good"	80-89 70-79	B+ B
"Satisfactory"	60-69 51-59	C+ C
"Unsatisfactory"	50 and below	D
"Tested"	≥51	S
"Untested"	< 51	U

NAME OF THE COURSE	**EMERGENCY MEDICINE**		
TYPE OF COURSE	Mandatory		
EDUCATIONAL LEVEL	CONTINUOUS AND INTEGRATED EDUCATIONAL PROGRAM		
THE FORM OF TRAINING	Full time		
PROFESSION	Dentist		
FACULTY	Dentistry		
COURSE	IV	SEMESTER	VIII
ACADEMIC YEAR	2020-2021		

CREATOR	Gagik Mkrtchyan, Harutyun Hovhannisyan
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CHAIR	Social Medicine
CLINICAL BASE	-
HEAD OF CHAIR	PhD Anna Ovchyan

COURSE VOLUME

Year	Semester	Credit	Academic week	Week hour	Total hour	Total class hour	Lecture hour	Pract. Lab. hour	Individual work hour	Lecturers' consultation	Examination	Test
IV	**VIII**	2	13	3	60	39	20	19	15	6		+
Total		**2**	**13**	**3**	**60**	**39**	**20**	**19**	**15**	**6**		

1. PRECONDITION. As a basis for mastering the course, you need the following knowledge, skills and abilities, which have been developed through the school curriculum:

Knowledge:

1. structural levels of human organs, organ-systems and organism.
2. the anatomical-physiological, sex-age and individual characteristics of the structure and development of a healthy and sick organism;
3. about the causes of the emergence of infectious diseases in humans and the objective patterns of their spread, as well as measures to combat epidemics.
4. on physical systems consisting of physical devices and beams, medical diagnostic equipment and technology.
5. complex emergency medical activity, which is shown to a suddenly ill or injured citizen, at the scene and when transporting to a medical facility.

Abilities

1. To perform physical examinations of a living person: palpation, percussion, auscultation and general examination.
2. To perform and evaluate the results of electrocardiography, measure and evaluate respiration rate and body temperature, evaluate hematological findings;
3. Be able to work with medical equipment, based on the basics of medical physics.

2. BRIEF CONTENT OF THE COURSE

The subject "Emergency medicine" studies:

-Emergencies, their characteristics, classification and ways and measures of prevention.

-Medical-strategic characteristics of affected foci arising in peacetime and wartime emergencies

-Ways and measures of providing of medical care to the population in peacetime and wartime emergencies.

-Peculiarities of medical aid organization in therapeutic type affected in the stages of medical evacuation in an emergency.

-Peculiarities of aid organization in surgical type affected in the stages of medical evacuation in an emergency.

-Organization of sanitary-hygienic and anti-epidemic measures of the population in in an emergency.

-Organization of medical institutions work in an emergency.

3. GOAL OF THE COURSE

The goal of the course is to give students knowledge about emergencies classification, ways of prevention, organization of medical care for a population in an emergency, medical care during various operations, as well as the peculiarities of the organization of therapeutic and surgical patients assistance in the stages of medical evacuation.

4. EDUCATIONAL FINAL RESULTS. At the end of the course the student should:

Know:

K1. Emergency classification, characteristics, prevention.

K2. Ways, tasks, main ways of protecting the population in peacetime and wartime emergencies.

K3. Peculiarities of aid organization in therapeutic and surgical affected in the stages of medical evacuation in an emergency.

Be able to:

A1. Organize the sanitary-hygienic and anti-epidemic measures of the population in an emergency situation.

A2. Carry out medical triage and evacuation of the affected.

A3. Design of the medical-strategic characteristics of affected foci arising in peacetime and wartime emergencies.

Possess:

P1. Providing various types of medical care in peacetime and wartime emergencies.

P2. Carring out a medical sorting.

P3. Carring out the san-hygienic measures.

P4. Application of radiological and chemical situation assessment methods, use of personal protective equipment, chemical and radiological examination devices.

5. LITERATURE

1. Chair material.
2. Ս.Ազատյան, Ա. Չատինյան, Մ. Ղազարյան, Ս. Դանիելյան «Ծայրահեղ իրավիճակներում անվտանգ կենսագործունեություն և գոյատևման գաղտնիքները», Երևան, 2006թ.
3. «Արտակարգ իրավիճակներ և բնակչության պաշտպանությունը» -ուսումնամեթոդական ձեռնարկ
4. Левчук И.П., Третьяков Н.В., Медицина катастроф, курс лекций, - М., ГЭОТАР- медиа, 2011, 240ц.
5. И. И. Сахно, Медицина катастроф, М., 2002, 560с.

6. Disaster medicine, editor-in-chief, Gregory R. Ciottone; Third Edition, ELSEVIER, 2006, 969p.
7. Koenig and Schultz's Disaster Medicine: Comprehensive Principles and Practices; Cambridge University Press, 2009, 708p.

6. ASSESSMENT COMPONENTS	POINT
Attendances	16
Assessment of knowledge acquisition, abilities and skills	70
Independent individual work	14

7. ASSESSMENT SYSTEM /RATING / SYSTEM

Mark	Assessment Point	Assessment letter
"Excellent"	96-100 90-95	A+ A
"Good"	80-89 70-79	B+ B
"Satisfactory"	60-69 51-59	C+ C
"Unsatisfactory"	50 and below	D
"Tested"	≥51	S
"Untested"	< 51	U

NAME OF THE COURSE	**INFECTIOUS DISEASES**		
TYPE OF COURSE	Mandatory		
EDUCATIONAL LEVEL	CONTINUOUS AND INTEGRATED EDUCATIONAL PROGRAM		
THE FORM OF TRAINING	Full time		
PROFESSION	Dentist		
FACULTY	Dentistry		
COURSE	IV	Semester	VII
ACADEMIC YEAR	2020-2021		

CREATOR	Anahit Mkrtchyan, Arpine Arakelyan
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CHAIR	Social Medicine
CLINICAL BASE	Nork "Infectious Diseases Clinical Hospital
HEAD OF CHAIR	PhD Anna Ovchyan

COURSE VOLUME

Year	smester	Credit	Academic week	Weekly hour	Total hour	Total class hour	Lecture hour	Pract.Lab hour	Individual work hour	Lectures consultation	Examination	Test
IV	VII	3	17	3	90	51	24	27	26	7	6	
Total		**3**	**17**	**3**	**90**	**51**	**24**	**27**	**26**	**7**	**6**	

1. PRECONDITION. As a basis for mastering the course, you need the following knowledge, skills and abilities, which have been developed through the school curriculum:

Knowledge:

1. Etiology, pathogenesis, clinic, features of internal diseases and more complete methods of treatment.
2. Differential diagnosis of somatic diseases from infectious diseases.
3. Master the principles and methods of clinical and laboratory diagnosis of infectious diseases.

Abilities:

1. To organize purely therapeutic examinations and treatments of patients.
2. Organize the principles of following up dispensaries for patients with infectious diseases:

Possessions:

1. On the causes of infectious diseases in humans and the objective patterns of their spread, as well as measures to combat epidemics.
2. Master preventive measures to prevent or reduce infectious diseases.

2. BRIEF CONTENT OF THE COURSE

The course provides knowledge about infection, infectious process, infectious disease, studies the classification of infectious diseases, principles of diagnosis and treatment, viral hepatitis A, B, C, D, D, etiopathogenesis, clinical and epidemiological features, principles of diagnosis and treatment. Escherichiosis/food poisoning: etiology, pathogenesis, epidemiology, clinical description and classification, principles of diagnostics and treatment, Yersiniosis infections (intestinal yersiniosis, pseudotuberculosis): clinical description and classification, differential diagnosis, principles of diagnosis and treatment. Brucellosis: clinical and epidemiological features, clinical classification, principles of diagnosis and treatment. Salmonellosis, typhoid fever, paratyphoid fever A, B. Measles, Rubella. Infectious mononucleosis.

3. GOAL OF THE COURSE

The goal of the course is to teach students the etiology, epidemiology, pathogenesis, clinical manifestations, diagnosis and treatment principles of infectious diseases.

4. EDUCATIONAL FINAL RESULTS. At the end of the course the student should:

Know

K1.etiology, pathogenesis, epidemiological features of infectious diseases, pathognomonic symptoms.

K2.be able to interpret and compare clinical and paraclinical data, make a preliminary clinical diagnosis, make a plan for additional research and treatment.

Be Able to

A1 to fully examine the patient, prescribe the necessary laboratory-instrumental examinations, diet, treatment.

A2 correctly interpret the data of laboratory-instrumental research.

Possession

P1 Organizing the work of all branches of laboratory services, all possible medical diagnostic works.

5. LITERATURE

1.Chair material

2. И.А. БЕРЕЖНОВА Инфекционные болезни: Учеб. пособие. — М.: РИОР,

3. 2007.-319 с.

4. Е. И. Змушко, Е. П. Шувалова “ Инфекционные болезни ”, СпецЛит, Санкт-Петербург, 2015 г.

5. CHANDY C. JOHN,“ Advances in the Diagnosis and Treatment of Pediatric Infectious Diseases ”, USA, 2013; 542p.

6. Jonathan Cohen, Steven M Opal, William G Powderly “Infectious diseases”, 3 Edition; Elsevier, 2010; 1990p

6. ASSESSMENT COMPONENTS	POINT
Attendances	16
Assessment of knowledge acquisition, abilities and skills	70
Independent individual work	14

7. ASSESSMENT SYSTEM /RATING / SYSTEM

Mark	Assessment Point	Assessment letter
"Excellent"	96-100	A+
	90-95	A
"Good"	80-89	B+
	70-79	B
"Satisfactory"	60-69	C+

	51-59	C
"Unsatisfactory"	50 and below	D
"Tested"	≥51	S
"Untested"	< 51	U

NAME OF THE COURSE	**PROPAEDEUTICS OF INTERNAL DISEASES**		
TYPE OF COURSE	Mandatory		
EDUCATIONAL LEVEL	CONTINUOUS AND INTEGRATED EDUCATIONAL PROGRAM		
THE FORM OF TRAINING	Full time		
PROFESSION	Dentist		
FACULTY	Dentistry		
COURSE	II, III	SEMESTER	IV, V
ACADEMIC YEAR	2020-2021		

CREATOR	Ph.D. A. Arshamyan, Harutyun Hovhannisyan,Marieta Davidyan
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CHAIR	Therapeutic subjects
CLINICAL BASE	"Saint Grigor Lusavorich" MC
HEAD OF CHAIR	PhD Ara Arshamyan

COURSE VOLUME

Year	Semester	Credit	Academic week	Weekly hour	Total hour	Total class. hour	Lecture hour	Pract. Lab. hour	Individual work hour	Lecturers' consultation	Examination	Test
II	**IV**	2	15	3	60	45	18	27	9	6		+
III	**V**	3	17	3	90	51	16	35	21	12	6	
Total		**5**	**32**	**6**	**150**	**96**	**34**	**62**	**30**	**18**	**6**	

1. PRECONDITION. As a basis for mastering the course, you need the following knowledge, skills and abilities, which have been developed through the school curriculum:

Knowledge

1. Anatomical, physiological and age-related features of the structure and development of healthy and diseased organisms, the structure, topography and development of cells, tissues, organs and systems, the interaction of their functions in normal and pathological conditions, organ-changes and population features at the levels of life formation.
2. The ability to express the concentration of substances in solutions, the ability to obtain solutions of various concentrations.
3. The basic laws of physics, the physical phenomena and patterns underlying the basic processes in the human body. Characteristics of physical factors affecting the human body and biophysical mechanisms of influence.

4. Moral and ethical norms, rules and principles of professional medical behavior, the rights of the patient and the doctor, the moral foundations of modern medical practice, the duties of the doctor and his /her role in society.
5. Basic ethical documents of international organizations.
   Domestic and international professional medical associations.
6. Main directions of psychology, general and individual characteristics of adult and adolescent psychology, personality and small group psychology.
7. Functional systems of the human body, their regulation under the influence of the external environment and self-regulation in normal and pathological conditions.

Abilities

1. To palpate the main bony landmarks on a person, to know the anatomical features of organs and organ systems, the course and outlines of the main neurovascular tracts.
2. Analysis of the results of the most common methods of functional diagnostics used to detect pathologies of blood, heart and blood vessels, kidneys, liver and other organs and systems.
3. To determine and evaluate the results of ECG, spirography, thermometry, hematological parameters.
4. To distinguish normal indicators of the level of metabolites in the blood serum (glucose, urea, bilirubin, uric acid, lactic acid, pyruvic acid etc.) from pathological changes, read the proteinogram and explain the significance of the differences.
5. Explanation of data of enzymological examination of blood serum.
6. Use of physical, chemical and biological equipment.
7. The opportunity to use educational, scientific, popular science literature, the Internet for professional activities.
8. Establish and maintain working relationships with other team members.

Possessions

1. Medical and anatomical concepts.
2. Presentation of one's own point of view, analysis and logical thinking, conversational speech, discussions and round tables on the principles of medical deontology and medical ethics.
3. Skills of informing patients and their relatives in accordance with the requirements of the rule.

2. BRIEF CONTENT OF THE COURSE

The course "Propaedeutics of internal diseases" includes the following sections: Physical examination, Laboratory and instrumental methods of investigations, Functional diagnosis, Special pathology.

3. GOAL OF THE COURSE

The goal of the course is to teach symptoms, etiology, subjective and objective examinations, clinical and paraclinical methods of diagnosing diseases of various organs and systems, evaluation of the results and justifications and principles of diagnosis of the disease

4. EDUCATIONAL FINAL RESULTS. At the end of the course, the student must

Know:

K1. the etiology, pathogenesis, preventive measures of most common diseases, contemporary classification of diseases.

K2. The clinical picture of the most common diseases in different age groups in a typical way, features of the course and possible complications.

K3. Diagnostic methods, modern clinical, laboratory, instrumental methods of examination of patients (including endoscopic, radiological methods, ultrasound diagnostics).

K4. diagnostic criteria of various diseases.

Be able to:

A1. Determine the patient's condition, collect anamnesis, conduct an interview of the patient or his relatives.

A2. Conduct a physical examination of the patient (examination, palpation, auscultation, BP measurement, pulse properties, etc.),

A3. Assess the patient's condition, determine the need for immediate medical care.

A4. Conduct an initial examination of organs and systems: nervous, endocrine, immune, respiratory, cardiovascular, hematopoietic, digestive, genitourinary, reproductive, musculoskeletal and joints, eyes, ears, throat, nose.

A5. To compile the volume of additional studies for the appropriate outcome of the disease, confirmation of the diagnosis and obtaining reliable results.

A6. Formulate a clinical diagnosis.

A7. Provide first aid in case of emergency conditions.

A8. Fill in the history of the disease, write a prescription

Possess:

P1. The methods of proper management of medical documents.

P2. General methods of clinical examination.

P3. Decipher the results of laboratory, instrumental diagnostic methods.

P4. The algorithm for making a preliminary diagnosis, and then referring the patient to the appropriate specialist doctor.

5. LITERATURE

1. Chair material
2. Գ.Հ. Բաղալյան, «Ներքին հիվանդությունների պրոպեդևտիկա», Երևան, 1988թ.
3. Գ.Ս. Իսախանյան, Ա.Մ. Սարգսյան, «Ներքին հիվանդությունների պրոպեդևտիկա», Երևան, 1996թ.
4. Զ.Տ. Ջնդոյան «Ներքին հիվանդությունների պրոպեդևտիկա»: Ուսումնական ձեռնարկ, Երևան ԵՊԲՀ, 2016, 544 էջ:
5. Пропедевтика внутренних болезней. Гребенев А. Л., 6-е изд. М., 2005.
6. Окороков А.Н., “Диагностика внутренних болезней”, Москва, 2003 г.
7. A.R. Houghton. D. Gray. Chamberlain’s symptoms and signs in clinical medicine, 13th Edition, London, 2010.
8. B. Ashar, R.B. Walter and others, Davidson's Principles and Practice of Medicine, 22nd Edition, Amsterdam, 2014.
9. D. Kasper, A. Fauci and others, Harrison's Principles of Internal Medicine, 19th Edition, New York, 2015.
10. Mayo Clinic - Internal Medicine Internal Medicine Board Review, Mayo clinic press Amsterdam, 2015.

6. ASSESSMENT COMPONENTS	POINT
Attendances	16

Assessment of knowledge acquisition, abilities and skills	70
Independent individual work	14

7. ASSESSMENT SYSTEM /RATING / SYSTEM		
Mark	Assessment Point	Assessment letter
"Excellent"	96-100 90-95	A+ A
"Good"	80-89 70-79	B+ B
"Satisfactory"	60-69 51-59	C+ C
"Unsatisfactory"	50 and below	D
"Tested"	≥51	S
"Untested"	< 51	U

NAME OF THE COURSE	**INTERNAL DISEASES**		
TYPE OF COURSE	Mandatory		
EDUCATIONAL LEVEL	CONTINUOUS AND INTEGRATED EDUCATIONAL PROGRAM		
THE FORM OF TRAINING	Full time		
PROFESSION	Dentist		
FACULTY	Dentistry		
COURSE	III, IV	SEMESTER	VI, VII
ACADEMIC YEAR	2020-2021		

CREATORS	PhD Ara Arshamyan, PhD Susanna Manukyan, Harutyun Hovhannisyan,Marietta Davidyan
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CHAIR	Therapeutical subjects
CLINICAL BASE	"Surb Grigor Lusavorich" MC
HEAD OF CHAIR	PhD Ara Arshamyan

COURSE VOLUME

Year	Semester	Credit	Academic week	Weekly hour	Total hour	Total class hour	Lecture hour	Pract. Lab. hour	Individual work hour	Lecturers' consultation	Examination	Test
III	**VI**	2	15	3	60	45	18	27	9	6		++
IV	**VII**	1	17	1	30	17	6	11	10	3		++
Total		**3**	**32**	**4**	**90**	**62**	**24**	**38**	**19**	**9**		

1. PRECONDITION. As a basis for mastering the course, you need the following knowledge, skills and abilities, which have been developed through the school curriculum:

Human Anatomy, Chemistry, Physics, Bioethics, Histology, Normal Physiology, Psychology, Pathological Anatomy, Pathological Physiology, Pharmacology, Clinical Pharmacology, Propaedutics of Internal Diseases.

2. BRIEF CONTENT OF THE COURSE

The "Internal Diseases" educational course is the basis for the clinical training of every practicing physician. It forms the basics of clinical logic, the important basics of patient's direct examination, the analysis and decoding of many contemporary instrumental and laboratory investigations data. It studies cardiovascular, respiratory, digestive, endocrine, urinary system diseases via clinical manifestations of the diseases and giving explanation for the separate mechanisms of pathological symptoms and syndromes development as well as the use, indications, contraindications and mechanisms of action of modern medications.

3. GOAL OF THE COURSE

The goal of the course is to prepare medical graduates who can carry out preventive, diagnostic, therapeutic, educational, organizational, research activities.

4. EDUCATIONAL RESULTS. At the end of the course, the student must

Know:

K1. The etiology, pathogenesis, preventive measures of the most common diseases, contemporary classification of diseases.

K2. Diagnostic indicators of various diseases.

K3. Clinical and pharmacological characteristics of main groups of medications and the rational selection of specific agents in main pathological syndromes of diseases and emergency situations in patients, including the basics of anti-stimulant legislation.

Be able to:

A1. determine the patient's condition: to taka a history, conduct a survey of the patient and/or their relatives, perform a physical examination of the patient (inspection, palpation, auscultation, BP measurement, assessment of arterial pulse characteristics, etc.), evaluate the patient's condition for the determination of need to provide them with medical care, to perform a primary examination of organs and systems: endocrine, immune, respiratory, cardiovascular, blood and hematopoietic (organs), digestive, urinary, musculoskeletal and articular,

A2. compile the volume of additional examinations to confirm the diagnosis and obtain a reliable result according to the disease outcome,

A3. develop a plan of therapeutic activity, taking into account the disease course and treatment,

A4. apply different methods of medication administration.

Possess:

P1. general clinical examination methods,

P2. the analysis of laboratory, instrumental investigation data,

P3. first aid performance and basic (medical) diagnostic and therapeutic measures in life-threatening conditions.

5. LITERATURE

1. Chair material
2. Է. Նազարեթյան, Ա. Գասպարյան, Ներքին հիվանդություններ, Երևան, 2004
3. Հ. Մաթևոսյան, Թոքաբանության դասընթաց, Երևան, 2003
4. Ռ. Ստամբոլցյան, Լ. Միքայելյանց, Լ. Շուշանյան, Ներքին հիվանդություններ, Ռ. Ստամբոլցյանի ընդհանուր խմբագրությամբ, Երևան, 198
5. Վ. Հարությունյան, Ե. Միքայելյան, Է. Կոտոյան, Ներքին հիվանդություններ, Երևան, 2000
6. А. Окороков, дагностика шнутренних болезней, Москва, 2003
7. А. Струтынский, А. Баранов, Г. Ройтберг, Ю. Галоненков, Основы семиотики заболеваний внутренних органов, Атлас, Москва, 2005
8. А. Струтынский, Г. Ройтберг, Внутренныые болезни, Основы семиотики заболеваний внутренних органов, Атлас, Москва, 2003
9. В. Милькаманавич, Атлас клинического исследования,учеб. пособие , Москва, 2006
10. B. Walter and others, Davidson's Principles and Practice of Medicine, 22nd Edition, Amsterdam, 2014
11. D. Kasper, A. Fauci and others, Harrison's Principles of Internal Medicine, 19th Edition, New York, 2015:
12. Davidson’s Principles &Practice of Medicine 22nd Edition: Brian R. Walker, Nicki R. Colledge,

Stuart H. Ralston, Ian D. Penman

13. Harrison's Principles of Internal Medicine 19th Edition: Kasper, Fauci, Hauser, Longo, Jameson, Loscalza
14. 100 cases in Clinical Medicine Second Edition: P. John Rees, James Pattison and Gwyn Williams 2007, Oxford University Press
15. Harrison's Gastroenterology and Hepatology

6. ASSESSMENT COMPONENTS	POINT
Attendances	16
Assessment of knowledge acquisition, abilities and skills	70
Independent individual work	14

7. ASSESSMENT SYSTEM /RATING / SYSTEM

Mark	Assessment Point	Assessment letter
"Excellent"	96-100	A+
	90-95	A
"Good"	80-89	B+
	70-79	B
"Satisfactory"	60-69	C+
	51-59	C
"Unsatisfactory"	50 and below	D
"Tested"	≥51	S
"Untested"	< 51	U

NAME OF THE COURSE	**CLINICAL PHARMACOLOGY**		
TYPE OF COURSE	Mandatory		
EDUCATIONAL LEVEL	CONTINUOUS AND INTEGRATED EDUCATIONAL PROGRAM		
THE FORM OF TRAINING	Full-time		
PROFESSION	Dentist		
FACULTY	Dentistry		
COURSE	IV	SEMESTER	VII
ACADEMIC YEAR	2020-2021		

CREATOR	Nelli Ghukasyan, Harutyun Hovhannisyan
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CHAIR	Natural Sciences
CLINICAL BASE	-
HEAD OF THE CHAIR	PhD Hayarpi Javrushyan

COURSE VOLUME

Year	Semester	Credit	Academic week	Hours per week	Total hours	Auditorium hours	Lectures (hours)	Practice (hours)	Individual work (hours)	Consultation by lecturer	Examination	Test
IV	**VII**	2	17	2	60	34	12	22	14	6	6	
Total		**2**	**17**	**2**	**60**	**34**	**12**	**22**	**14**	**6**	**6**	

1. PRECONDITION. As a basis for mastering the course, you need the following knowledge, skills and abilities, which have been developed through the school curriculum:

Knowledge:

1. Properties of water and aqueous solutions, water-electrolyte balance of the human body, colligative properties of solutions (diffusion, osmosis, osmolality, osmolality), the structure and function of the most important chemical compounds (nucleic acids, natural proteins, water-soluble and fat-soluble vitamins, hormones, etc.) :
2. Structure of the human organism, including cellular, tissue, organ, organ system, and whole organism structural levels.
3. Normal activity of the human body, including hemostasis, homeostasis, cardiovascular, digestive, excretory systems, features and mechanisms of hormone synthesis.
4. Features of the human body in pathological conditions, mechanisms of disease development and features of the process.
5. The structure and function of the immune system.
6. Types of viruses, fungi and bacteria, structural features.

Aabilities:

1. To use educational, scientific, popular scientific literature and the Internet for professional activities.

Possessions:

1. Drug groups including classifications, mechanisms of action, indications, side effects, contraindications.

2. BRIEF CONTENT OF THE COURSE

"Clinical pharmacology" is the science of the effects of drugs on the human body. It examines the pharmacokinetics and pharmacodynamics of drugs, side effects, indications and contraindications, drug-food, drug-drug interactions, and individual examples of drug-patient organism interactions.

3. GOAL OF THE COURSE

The goal of the course is to teach students the principles of rational drug therapy.

4. EDUCATIONAL RESULTS. At the end of the course the student should:

Know:

K1. features of disease course, diagnosis and treatment,

K2. the principles of rational use of drugs.

Be able to:

A1. to justify the safest, most effective and affordable pharmacological choice to treat the given pathological condition.

Possess:

P1. principles of drug interactions in the case of multidrug prescribing, excluding dangerous interactions.

5. LITERATURE

1. Chair material
2. Կլինիկական դեղաբանություն: Ուս. ձեռնարկ, բ.գ.դ.Ն.Ռ. Միրզոյանի խմբ., ԵՊԲՀ, Երևան, 2011թ., 165 էջ:
3. https://www.amazon.com/gp/product/1259027597/ref=s9_acsd_topr_hd_bw_b16ROL_c_x_w?pf_rd_m=ATVPDKIKX0DER&pf_rd_s=merchandised-search-5&pf_rd_r=BXNMNA2FH8N6SSYNQMGE&pf_rd_t=101&pf_rd_p=8ea58ca0-356f-5f0b-8649-07198ac2a0af&pf_rd_i=16311601Bertram G. Katzung, Basic & Clinical Pharmacology, 12th edition, 2012.
4. Ritter JM, et al. A Textbook of Clinical Pharmacology and Therapeutics. 5th ed, London, 2008, 476p.
5. Оксвордский справочник по клинической фармакологии и фармакотерапии, Д. Г. Грэхам-Смит, Дж. К. Аронсон, 2000
6. Клиническая фармакология, Кукес 2006.

6. ASSESSMENT COMPONENTS	POINT
Attendance	16
Development of knowledge acquisition, capacity and skills	70
Individual work	14

7. ASSESSMENT SYSTEM /RATING / SYSTEM

Mark	Assessment Point	Assessment letter
“Excellent”	96-100 90-95	A+ A
“Good”	80-89 70-79	B+ B
“Satisfactory”	60-69 51-59	C+ C
“Unsatisfactory”	50 and less	D

“Tested”	≥51	S
“Untested”	< 51	U

NAME OF THE COURSE	**TOPOGRAPHIC ANATOMY**		
TYPE OF COURSE	Mandatory		
EDUCATIONAL LEVEL	CONTINUOUS AND INTEGRATED EDUCATIONAL PROGRAM		
THE FORM OF TRAINING	Full-time		
PROFESSION	Dentist		
FACULTY	Dentistry		
COURSE	II	SEMESTER	IV
ACADEMIC YEAR	2020-2021		

CREATOR	DMed Sc Arsen Minasyan PhD Eduard Avagyan
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CHAIR	Medical – Biological subjects
CLINICAL BASE	-
HEAD OF CHAIR	PhD Naira Hunanyan

COURSE VOLUME

Year	Semester	Credit	Academic week	Weekly hour	Total hour	Total class hour	Lecture hour	Pract. Lab. hour	Individual work hour	Lecturers' consultation	Examination	Test
II	**IV**	2	15	3	60	45	20	25	9	6		+
Total		**2**	**15**	**3**	**60**	**45**	**20**	**25**	**9**	**6**		

1. PRECONDITION. As a basis for mastering the course, you need the following knowledge, skills and abilities, which have been developed through the school curriculum:

Knowledge:

1. about human organs, organ-systems and organism levels.
2. about the structural disorders of the organs and tissues of the sick organism.
3. about the structure, development and functioning of the tissues of the human body, as well as the structure, development and functionality of the tissues of the individual organism.
4. structural, developmental, sexual and personal characteristics of healthy and sick organisms; functional systems of human organism, their regulation and self-regulation in norm and pathology, impact effects of external environment.

Abilities:

1. To make a person's physical examination, such as palpation, percussion, auscultation.
2. Autopsy, identification of dead tissues and organs.
3. Preparations of histological samples, and their subsequent examination with light microscope.
4. To interpret the results of the most common methods of functional diagnostics of blood, cardiovascular, lung, liver and other organs and systems; to determine and evaluate the results of

electrocardiogram, spirometry, thermometry, etc.

2. BRIEF CONTENT OF THE COURSE

"Topographic anatomy" is a synthetic educational discipline containing systematized scientific knowledge and techniques in the field of topographic anatomy and operative surgery, studying the relationship between organs and tissues in the topographical regions, the layer anatomy of human body regions, projections of neuro-vascular structures, principles and techniques of surgical procedures

3. GOAL OF THE COURSE

The goal of teaching and learning the academic discipline "Operative surgery and topographic anatomy" is to provide the students with the scientific knowledge about the human topographic anatomy and the general principles of the basic operations and applying this knowledge to substantiation and performing medical procedures and surgical interventions.

4. EDUCATIONAL FINAL RESULTS. At the end of the course the student should:

Know:

K1. Boundaries of human body regions, orientation lines, division of the human body into topographic regions and sub-regions, topographic formations: triangles, grooves, canals.

K2. For the topographic regions of the human body: layered structure of the topographic region - stratography, adjustment of the relationship of organs to each other - sintopia, projectional anatomy – holotopia, correction of the position of the organ to the bones - sceletotopia.

K3. Groups, types and uses of surgical instruments, general principles of tissues disconnection and connection.

K4. Principles, accesses and techniques of the typical surgical interventions; basic surgical nodes and surgical sutures.

Be able to:

A1. Project on the skin the main organs, large vessels and nerves;

A2. Correctly hold and correctly use surgical instruments; to apply the main surgical nodes and sutures.

Possess:

P1. Among palpation to determine the names of the main structures, that form the relief of the topographic regions, palpate the pulsating points of the arteries in the topographic region and the places where the large vessels can be compressed to the bones during bleeding (on biological material or imitations (models)).

5. LITERATURE

1. Chair material
2. Островерхов Г.Е. Оперативная хирургия и топографическая анатомия [Текст]: учеб. для мед. вузов / Г.Е. Островерхов, Ю.М. Бомаш, Д.Н. Лубоцкий. – 5-е изд., испр. – М.: МИА, 2013.
3. Топографическая анатомия и оперативная хирургия: учебник / А.В. Николаев. — 3-е изд., испр. и доп. — М.: ГЭОТАР-Медиа, 2015. — 736 с.
4. Кованов В.В. Оперативная хирургия и топографическая анатомия. – М.: Медицина, 2001.
5. Островерхов Г.Е. Оперативная хирургия и топографическая анатомия [Текст]: учеб. для мед. вузов / Г.Е. Островерхов, Ю.М. Бомаш, Д.Н. Лубоцкий. – 5-е изд., испр. – М.: МИА, 2013.
6. Топографическая анатомия и оперативная хирургия: учебник / А.В. Николаев. — 3-е изд.,

испр. и доп. — М.: ГЭОТАР-Медиа, 2015. — 736 с.
7. Кованов В.В. Оперативная хирургия и топографическая анатомия. – М.: Медицина, 2001.
8. A. Nicalaev, Topographic Anatomy and Operative Surgery. Textbook, 672p., 2018
9. H. Ellis, Clinical Anatomy: Applied Anatomy for Students and Junior Doctors, Hoboken, 2013
10. F. Netter, Atlas of Human Anatomy, 6th Edition, Amsterdam, 2014
11. Keith L. Moore Clinically Oriented Anatomy 7th Edition, 2017

6. ASSESSMENT COMPONENTS	POINT
Attendance	16
Assessment of knowledge acquisition, abilities and skills	70
Independent individual work	14

7. ASSESSMENT SYSTEM /RATING / SYSTEM

Mark	Assessment Point	Assessment letter
"Excellent"	96-100 90-95	A+ A
"Good"	80-89 70-79	B+ B
"Satisfactory"	60-69 51-59	C+ C
"Unsatisfactory"	50 and below	D
"Tested"	≥51	S
"Untested"	< 51	U

NAME OF THE COURSE	**GENERAL SURGERY**		
TYPE OF COURSE	Mandatory		
EDUCATIONAL LEVEL	CONTINUOUS AND INTEGRATED EDUCATIONAL PROGRAM		
THE FORM OF TRAINING	Full time		
PROFESSION	Dentist		
FACULTY	Dentistry		
COURSE	III	Semester	V
ACADEMIC YEAR	2020-2021		

CREATOR	M.D. prof. A. Minasyan PhD Eduard Avagyan
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CHAIR	Surgical Subjects
CLINICAL BASE	Scientific center of traumatology and orthopedy, "Nairi" MC
HEAD OF CHAIR	M.D. prof A. Minasyan

COURSE VOLUME

Year	Semester	Credit	Academic week	Weekly hour	Total hour	Total class. hour	Lecture hour	Pract. Lab. hour	Individual work hour	Lecturers' consultation	Examination	Test
III	**V**	3	17	3	90	51	20	31	21	12	6	
Total		**3**	**17**	**3**	**90**	**51**	**20**	**31**	**21**	**12**	**6**	

1. PRECONDITION. As a basis for mastering the course, you need the following knowledge, skills and abilities, which have been developed through the school curriculum:

Knowledge:

1. about human organs, organ-systems and anatomical features of the organism.
2. about disorders of the normal structure of human organs and tissues in a diseased state.
3. the anatomical-physiological, sex-age and individual characteristics of the structure and development of a healthy and sick organism.
4. relationships of organs and tissues in separate topographical regions, which gives an opportunity to understand the ways of the emergence, development and spread of pathological processes.
5. about the general principles of operations, operative approaches and methods.

Abilities:

1. disclosure of cadaveric tissues and patient's organs.
2. determine and evaluate the results of electrocardiography, spirometry and thermometry, hematological indicators.
3. to perform surgical suturing and ligation, to use surgical instruments correctly, to perform tissue separation and connection, in the meantime to stop bleeding.
4. to carry out the identification of unnecessary anatomical orientations for physical examinations of a living person (palpation, percussion, auscultation).

2. BRIEF CONTENT OF THE COURSE

The subject of General surgery studies the basics of diagnostics, treatment and anesthesia in surgery, classification and names of operations. Learn about the main types of surgical diseases. Learn about main methods of anesthesia.

3. GOAL OF THE COURSE

The subject of General surgery studies the basics of diagnostics, treatment and anesthesia in surgery, classification and names of operations. Learn about the main types of surgical diseases. Learn about main methods of anesthesia.

4. EDUCATIONAL FINAL RESULTS. At the end of the course the student should:

Know:

K1. Surgical service. Surgical clinic, Introduction to the clinic

K2. Methods of antisepsis and rules.

K3. Methods of local and general anesthesia

K4. Classification of wounds, methods of treatment and dressing.

K5. The features of prolonged compression syndromes

K6. Types of bleeding and methods for arrest the bleeding.

K7. The diagnostic methods and treatment bone fractures and join dislocation.

K8. Necrosis, gangrene, fistula, trophic ulcer. Surgical features of ulcer.

K9. Methods of diagnostic tumors

K10. Operation, pre and post operation periods. Types of operation.

K11. Purulent infections, methods of treatment and deranging.

K12. Parasitic disease, Introduction to surgical treatment methods.

Be able to

A1. Ability to use the methods of asepsis and antisepsis.

A2. Arrest the bleeding. Temporally and constant methods.

A3. Practical test of blood grouping with standard serums and standard erythrocytes.

A4. Perform blood canning and preservation.

A5. Ensure of immobilization of limb.

A6. Use some methods of local anesthesia.

A7. Make bandaging.

Possess:

P1. Use sterile bandaging in dressing burn, frostbites, open fractures and soft tissues wound.

P2. Collecting of anamnesis morbid

P3. Processing of the surgical area for the operation.

5. LITERATURE

1. Chair material
2. Рычагов, Г.П., Нехаев, А.Н. Общая хирургия. Хирургические болезни. Учебник в 2-х томах / Г.П.Рычагов, А.Н.Нехаев. Мн.: Выш. шк., 2012. 1 Т. 427 с. 2 Т. 479 с.
3. Петров, С.В. Общая хирургия: учебник / С.В.Петров. 4-е изд., перераб. и доп. М.: ГЭОТАР-Медиа, 2014. 832 с.: ил
4. Անանիկյան Պ.Պ., Անանիկյան Պ.Պ., Նանյան Ս.Մ., Ընդհանուր վիրաբուժություն, Երևան, 1994թ.
5. Гусенев А.З., Семерджян В.В., ‘’Общая хирургия’’, Тула, 2002 г.
6. Гостищев Н.В., ‘’ Общая хирургия’’, Москва, 2001 г.
7. Ростимев В.К., ‘’ Общая хирургия’’, Москва, 1998 г.
8. Астапенко В.Г., ‘’Справочник хирурга’’, Москва, 1996 г.

9. Муратов А. Н., '' Общая хирургия'', Москва, 1989 г.
10. Sabiston textbook of surgery, Courtney M. Townsend, 20-th edition, 2017.
11. Farquharson's textbook of operative general surgery, Edited by Margaret Farquharson, tenth edition, 2015
12. Essentials of general surgery, Peter F. Lawrence, fifth edition, London 2007.
13. General surgery, Butyrsky, 2-d edition, Simferopol, 2004.

6. ASSESSMENT COMPONENTS	POINT
Attendances	16
Assessment of knowledge acquisition, abilities and skills	70
Independent individual work	14

7. ASSESSMENT SYSTEM /RATING / SYSTEM

Mark	Assessment Point	Assessment letter
"Excellent"	96-100 90-95	A+ A
"Good"	80-89 70-79	B+ B
"Satisfactory"	60-69 51-59	C+ C
"Unsatisfactory"	50 and below	D
"Tested"	≥51	S
"Untested"	< 51	U

NAME OF THE COURSE	**SURGICAL DISEASES**		
TYPE OF COURSE	Mandatory		
EDUCATIONAL LEVEL	CONTINUOUS AND INTEGRATED EDUCATIONAL PROGRAM		
THE FORM OF TRAINING	Full time		
PROFESSION	Dentist		
FACULTY	Dentistry		
COURSE	III	SEMESTER	VI
ACADEMIC YEAR	2020-2021		

CREATOR	Doctor of Medical Science. Arsen Minasyan PhD. E. Avagyan A. Shaljyan
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CHAIR	Surgical subjects
CLINICAL BASE	"Nairi" MC, "Shengavit" MC, "Surb Grigor Lusavorich" MC, R. Medical Center of Abovyan named after Harutyunyan
HEAD OF CHAIR	Doctor of Medical Science. A. Minasyan

COURSE VOLUME

Year	Semester	Credit	Academic week	Weekly hour	Total hour	Total class. hour	Lecture hour	Pract. Lab. hour	Individual work hour	Lecturers' consultation	Examination	Test
III	**VI**	3	15	3	90	45	20	25	27	18		+
Total		**3**	**15**	**3**	**90**	**45**	**20**	**25**	**27**	**18**		

1. PRECONDITION. As a basis for mastering the course, you need the following knowledge, skills and abilities, which have been developed through the school curriculum:

Knowledge

1. On the anatomical features of human organs, organ systems and organism
2. Disorders of the normal structure of human organs and tissues in a diseased state
3. Organizational-physiological, sex-age-individual features of the development of a healthy and diseased organism
4. Relationships between organs and tissues in separate topographic regions, which gives an idea of the pathogenesis, development and distribution of pathological processes.
5. General principles of surgeries, operative inputs and methods
6. Basic principles of diagnosis, treatment and anesthesia in surgery

Abilities

1. Identification of dead tissues and patient's organs:
2. Determine and evaluate the results of electrocardiography, respiration and thermometry, hematological indicators
3. make a surgical connection, use the surgical instruments correctly, cut the tissue, connect it, and stop the bleeding.
4. Perform physical examinations of a living person, such as palpation, percussion, auscultation.
5. Apply the rules of asepsis and antiseptic
6. Stop bleeding by temporary and final methods
7. Determine blood grouping by standard serums and standard erythrocytes
8. provide limb immobilization
9. Use some methods of local anesthesia
10. Apply bandages

Possessions

1. Aseptic dressing for soft tissue wounds, burns, frostbite, open fractures:
2. Collection of patient history
3. To intervene in the development of the surgical field

2. BRIEF CONTENT OF THE COURSE

"Surgical Diseases" course studies diseases of chest organs, septum, esophagus, hernias, diseases of stomach and duodenum, inflammations of the appendix, colon and rectum, pancreas, liver, gall bladder, biliary tract injuries and diseases, peritonitis, spleen injuries and diseases, diseases of the genitourinary system, arteries and veins, breast, thyroid gland.

3.GOALS AND OBJECTIVES OF THE COURSE

3.1. The goal of the course

The goal of the course is to teach surgical diseases, the principles and methods of their differential diagnosis and treatment.

1.2. The objectives of the course

- identify the main surgical syndromes and diagnose the main surgical diseases.
- to know the methods of treatment of basic surgical diseases.
- to be oriented in the operation of diagnosis and treatment of the main purulent-septic conditions.

2. EDUCATIONAL FINAL RESULTS. At the end of the course, the student must

Know

K1. Etiology, pathogenesis, types, classifications of studied surgical diseases

K2. Study surgical disease clinic

K3. Features of diagnosis and treatment of studied surgical diseases

Be able to

A1. Collect anamnesis data, conduct general clinical examination of surgical patients

5. LITERATURE

1. Chair Material
2. Хирургические болезни [Текст]: учебник /ред. М.И. Кузин. – 4-е изд., перераб. и доп. – Москва: ГЭОТАР-Медиа, 2015. – 992 с.
3. Хирургические болезни [Электронный ресурс]: учебник. В 2 т. /ред. В.С. Савельев, А.И. Кириенко. – 2-е изд., перераб. и доп. - Москва: ГЭОТАР-Медиа, 2014. – 720 с.
4. Кузин М. И., Шкроб О. С., “Хирургические болезни”,Москва, 2002 г.
5. Астапенко В. Г., “Справочник хирурга”, Минск, 1980 г.
6. Պարոնյան Ռ.Լ., ՙՎիրարուժական հիվանդություններ՚, Երևան, 1970թ.
7. Астапенко В.Г., ‘’Справочник хирурга’’, Москва, 1996 г.9. Муратов А. Н., ‘’ Общая хирургия”, Москва, 1989 г.
8. Sabiston textbook of surgery, Courtney M. Townsend, 20-th edition, 2017.
9. Farquharson’s textbook of operative general surgery, Edited by Margaret Farquharson, tenth edition, 2015
10. Atlas of general surgical techniques / [edited by] Courtney M. Townsend Jr., i. B. Mark Evers. -- 1s ed.
11. Essential surgery [edited by] Clive R. G. Quick, -- 5 ed.
12. Oxford Handbook of Clinical Surgery, 3rd Edition; [edited by] McLatchie, Greg; Borley, Neil; Chikwe, Joanna

6. ASSESSMENT COMPONENTS	POINT
Attendances	16
Assessment of knowledge acquisition, abilities and skills	70
Independent individual work	14

7. ASSESSMENT SYSTEM /RATING / SYSTEM

Mark	Assessment Point	Assessment letter
"Excellent"	96-100 90-95	A+ A
"Good"	80-89 70-79	B+ B
"Satisfactory"	60-69 51-59	C+ C
"Unsatisfactory"	50 and below	D
"Tested"	≥51	S
"Untested"	< 51	U

NAME OF THE COURSE	**ANESTHESIA AND RESUSCITATION**		
TYPE OF COURSE	Mandatory		
EDUCATIONAL LEVEL	CONTINUOUS AND INTEGRATED EDUCATIONAL PROGRAM		
THE FORM OF TRAINING	Full time		
PROFESSION	Dentist		
FACULTY	Dentistry		
COURSE	V	SEMESTER	X
ACADEMIC YEAR	2020-2021		

CREATOR	Doctor of Medical Science., Prof. Rita Virabyan, Ernest Sargsyan
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CHAIR	Surgical Subjects
CLINICAL BASE	"St. Grigor Lusavorich" MC
HEAD OF CHAIR	M.D. PhD A. Minasyan

COURSE VOLUME

Year	Semester	Credit	Academic week	Weekly hour	Total hour	Total class. hour	Lecture hour	Pract. Lab. hour	Individual work hour	Lecturers' consultation	Examination	Test
V	**X**	2	17	3	60	51	16	35	5	4		+
Total		**2**	**17**	**3**	**60**	**51**	**16**	**35**	**5**	**9**		

1. PRECONDITION. As a basis for mastering the course, you need the following knowledge, skills and abilities, which have been developed through the school curriculum:

Knowledge

1. anatomical features of the organism, organs and organ-systems in children.
2. about disorders of the normal structure of human organs and tissues in a diseased state.
3. the anatomical-physiological, sex-age and individual characteristics of the structure and development of a healthy and sick organism.
4. Relationships of organs and tissues in separate topographical regions, which gives an opportunity to understand the ways of the emergence, development and spread of pathological processes.
5. General principles of surgery, including the study of operative approaches and methods.
6. The basic principle of diagnosis, treatment and anesthesia in surgery.
7. etiology, pathogenesis, clinic, diagnostic features and the most complete method of treatment of surgical diseases of the chest and abdomen.
8. physiological features of pathological, pathological states of the organism, functional changes of organ systems during the main diseases of internal organs.
9. etiology, pathogenesis, clinic, diagnostic features and the most complete method of treatment of internal diseases.
10. etiology, pathogenesis, clinic, diagnostic features and the most complete method of treatment of injuries and orthopedic diseases.

11. the effect of medicine on the human body. Medicine pharmacodynamics, pharmacokinetics, side effects and drug interaction in conditions of combined use, as well as individual examples of drug-disease organism interaction due to the characteristics of the diseased organism and the presence of concomitant diseases.

Abilities

1. to determine and evaluate the results of electrocardiography, spirometry and thermometry, hematological indicators.
2. carry out physical examinations of a living person (palpation, percussion, auscultation).
3. perform surgical suturing and ligation, use surgical instruments correctly, perform tissue separation and union, and stop bleeding in the process.

Possessions

1. Collecting the patient's anamnesis.

2. BRIEF CONTENT OF THE COURSE

The "Anesthesia and Resuscitation" course examines mask narcosis (laryngeal mask), assessment of the patient's preoperative condition, regional anesthesia, import anesthesia, intraoperative period, postoperative period, cardiovascular resuscitation, general anesthesia, the basics of organ function disorders during general anesthesia, tracheostomy - indications , principles of care, disorders of the cardiovascular system, homeostasis disorders, principles of detoxification therapy, general anesthesia compliance standards, patient awakening (vomiting, nausea, shivering, pain, prevention, treatment), regional anesthesia - spinal and epidural anesthesia (hypo- and hyperbaric anesthetics) methodology, complications, means of prevention and treatment, determination of the degree of risk of aza anesthesia and the degree of risk of vascular complications according to Goldman, shock, pulmonary edema,

3. GOAL OF THE COURSE

The goal of the "Anesthesia and Resuscitation" subject is to prepare students of the Faculty of Medicine for clinical work, to familiarize them with the nature of narcosis, indications, contraindications, methods and complications, the basic principles, methods, forms and possible complications of rehabilitative medical measures in emergency situations, to improve practical abilities and skills.

4. EDUCATIONAL FINAL RESULTS. At the end of the course, the student should

Know

K1. Indications, contraindications, methods of performing anesthesia, possible complications.

K2. Pathological conditions that are an indication for resuscitation, and possible treatment methods in cases of their presence.

Be able to

A1. Diagnose and characterize clinical death in all its manifestations, as well as interpret the rehabilitation interventions applicable in this condition.

A2. Diagnose and characterize functional disorders of vital organs and organ systems, as well as interpret rehabilitative interventions applicable in that condition.

5. LITERATURE

1. Chair material.
2. Գ.Գ. Մխոյան, «Անեսթեզիոլոգիայի և ինտենսիվ թերապիայի արձանագրերն ու հիմունքները», Երևան, 1999թ.
3. Карл Л. Гвиннут (ред). ‘’Клиническая анестезия’’ ГЭОТАР-МЕД, 2002г.
4. Малышев В. Д., ‘’Интенсивная терапия. Реанимация.Первая помощь’’, Москва, 2000г.
5. Интенсивная терапия. Национальное руководство. В 2-х томах., Гельфанд Б.Р., Салтанов А.И., Москва, ГЭОТАР-Медиа, 2009.
6. Handbook of Critical and intensive care medicine, J. Varon, P. Acosta, Springer, 2010

7. Morgan and Mikhail's Clinical Anesthesiology, J. Wasnick, J. Butterworth, D. Mackey, Lange, 2013
8. Textbook of Critical Care, Vincent J.-L. et al. (6th ed.), 2014:

6. ASSESSMENT COMPONENTS	POINT
Attendances	16
Assessment of knowledge acquisition, abilities and skills	70
Independent individual work	14

7. ASSESSMENT SYSTEM /RATING / SYSTEM		
Mark	Assessment Point	Assessment letter
"Excellent"	96-100 90-95	A+ A
"Good"	80-89 70-79	B+ B
"Satisfactory"	60-69 51-59	C+ C
"Unsatisfactory"	50 and below	D
"Tested"	≥51	S
"Untested"	< 51	U

NAME OF THE COURSE	**RADIOLOGICAL DIAGNOSIS**		
TYPE OF COURSE	Mandatory		
EDUCATIONAL LEVEL	CONTINUOUS AND INTEGRATED EDUCATIONAL PROGRAM		
THE FORM OF TRAINING	Full time		
PROFESSION	Dentist		
FACULTY	Dentistry		
COURSE	III	SEMESTER	VI
ACADEMIC YEAR	2020-2021		

CREATOR	PhD Gayane Ayvazyan, Aida Arzumanyan
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CHAIR	Therapeutic subjects
CLINICAL BASE	Abovyan Medical Center After Rubik Harutyunyan
HEAD OF CHAIR	PhD Ara Arshamyan

COURSE VOLUME

Year	Semester	Credit	Academic week	Weekly hour	Total hour	Total class. hour	Lecture hour	Pract. Lab. hour	Individual work hour	Lecturers' consultation	Examination	Test
III	**VI**	3	15	3	90	45	24	21	33	12		+
Total		**3**	**15**	**3**	**90**	**45**	**24**	**21**	**33**	**12**		

1. PRECONDITION. As a basis for mastering the course, you need the following knowledge, skills and abilities, which have been developed through the school curriculum:

Knowledge

1. Ethics and deontology in medicine, taking into account the characteristics of the sick organism, the laws of dialectical materialism in medicine.
2. Individual features of the anatomiophysiological and age-sex structure and development of healthy and diseased organisms, the structure, topography and development of organs and systems, their functional grayness.
3. Knowledge of chemical elements with a certain biological role in human life.
4. The basic laws of physics, the physical phenomena and patterns underlying the main processes in the human body. Characteristics of physical factors affecting the human body and biophysical mechanisms of influence.
5. The main metabolic processes in the body to detect disorders of protein, carbohydrate and fat metabolism, the main biochemical indicators of blood for the assessment of the state of protein, carbohydrate and fat metabolism, knowledge of the participation of various organ systems in metabolism to detect pathologies of the liver, gastrointestinal system, kidneys, cardiovascular system.
6. Functional systems of the human body, their regulation and self-regulation under the influence of the external environment in normal and pathological conditions.
7. Pharmacokinetics of the main medicinal preparations used in the main diseases of internal

organs, indications for their appointment. Side effects of medications.

8. Knowledge of infection and immunity, the role of infection in the etiology of major infectious and infectious-allergic diseases.
9. Basic knowledge about immunity, its types, forms of expression. The role of immunity during the infectious process. Characteristics of the main reactions of humoral immunity.
10. Morphological changes during diseases of internal organs.
11. The reactivity of microorganisms during the development of pathological processes, functional changes of organ systems during the main diseases of internal organs.
12. Clinical methods of examining therapeutic patients. Laboratory and instrumental examination of patients (thermometry, spirometry, gastric and duodenal probing, sputum: blood, urine, stool examination, gastric juice examination). Theoretical understanding of basic laboratory-instrumental research conducted by specialists.

Abilities

1. know the topography of the main vascular and nerve trunks of the organs.
2. ability to use educational, scientific, popular scientific literature, Internet for professional activity.
3. Analysis of the results of the most common methods of functional diagnostics used to detect the pathology of blood, heart and arteries, kidneys, liver and other organs and systems.
4. Determine and evaluate the results of ECG, spirography, thermometry, hematological indicators.
5. To distinguish pathological changes in normal indicators of metabolite levels (glucose, urea, bilirubin, uric acid, lactic acid, pyromalic acid, etc.) in blood serum, read the proteinogram and explain the significance of the differences.

Explain the data of enzymological examination of blood serum.

Possessions

1. medico-anatomical concepts.

2. BRIEF CONTENT OF THE COURSE

The course examines the principles of operation of radiation diagnostic devices, computed tomography, nuclear resonance, and radioisotope diagnostics, which allow detecting minor changes in hard-to-penetrate organs.

3. GOAL OF THE COURSE

The goal of teaching the subject "Radiological Diagnosis" is to prepare students of the medical faculty for clinical work. The main provisions of the program include strengthening and renewal of theoretical knowledge, improvement of practical abilities and skills.

4. EDUCATIONAL FINAL RESULTS. At the end of the course, the student should

Know

K1. principles of radiodiagnosis devices in dentistry (and not only), types of contrast materials

K2. the principles of computed tomography, nuclear resonance, radioisotope, diagnostics, which allow detecting minor changes in hard-to-penetrate organs,

K3. the latest advances in radiology and medical technology.

Be able to

A1. read X-ray pictures and write diagnostic conclusions,

A2. read x-rays, echograms, angiograms, CT, MRI, sincigrams,

A3. distinguish normal from pathology,

A4. formulate a radiographic conclusion and justify the diagnosis,

Possess:

P1. the basic principles of radiological diagnosis

P2. methods of evaluating the results of modern X-ray examination,

P3. deciphering the results of radiological diagnostic methods,

P4. knowledge of the primary X-ray symptoms of the most common diseases in dentistry (and not only).

5. LITERATURE

1. Chair material
2. G. Avetisyan, H. Edilyan, Radiological diagnosis, Yerevan, 2012,
3. J. Benseler, The Radiology Handbook, Athens, 2006,
4. M. Chen, T. Pope, D. Ott, Basic Radiolkogy, New York, 2011,
5. Yu. Lishmanova, V. Chernova, Radionuclide diagnostics for practitioners, Tomsk, 2004.

6. ASSESSMENT COMPONENTS	POINT
Attendances	16
Assessment of knowledge acquisition, abilities and skills	70
Independent individual work	14

7. ASSESSMENT SYSTEM /RATING / SYSTEM

Mark	Assessment Point	Assessment letter
"Excellent"	96-100 90-95	A+ A
"Good"	80-89 70-79	B+ B
"Satisfactory"	60-69 51-59	C+ C
"Unsatisfactory"	50 and below	D
"Tested"	≥51	S
"Untested"	< 51	U

NAME OF THE COURSE	**DISEASES OF THE NOSE, THROAT AND EAR**		
TYPE OF COURSE	Mandatory		
EDUCATIONAL LEVEL	CONTINUOUS AND INTEGRATED EDUCATIONAL PROGRAM		
THE FORM OF TRAINING	Full time		
PROFESSION	Dentist		
FACULTY	Dentistry		
COURSE	IV	SEMESTER	VII
ACADEMIC YEAR	2020-2021		

CREATOR	PhD Robert Frangulyan Lilit Petrosyan
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CHAIR	Surgical subjects
CLINICAL BASE	"Shengavit" Medical Center
HEAD OF CHAIR	MD Prof. A. Minasyan

COURSE VOLUME

Year	Semester	Credit	Academic week	Weekly hour	Total hour	Total class. hour	Lecture hour	Pract. Lab. hour	Individual work hour	Lecturers' consultation	Examination	Test
IV	**VII**	3	17	3	90	51	20	31	26	13		+
Total		**3**	**17**	**3**	**90**	**51**	**20**	**31**	**26**	**13**		

1. PRECONDITION. As a basis for mastering the course, you need the following knowledge, skills and abilities, which have been developed through the school curriculum:

Knowledge

1. at the levels of human organs, organ-systems and organism.
2. in a diseased state, disorders in the normal structure of human organs and tissues;
3. organizational-physiological, gender-age-individual characteristics of the evolution of a healthy versus diseased organism's structure;
4. relationships between organs and tissues in different topographic locations, allowing for a better understanding of pathogenesis, progression, and dissemination of disease processes;
5. the study of operational access procedures, as well as general surgical principles;
6. the fundamentals of surgical diagnosis, treatment, and anesthesia;
7. the most comprehensive way of treatment is based on the etiology of pathological disorders, pathophysiology, clinic, and diagnostic aspects;
8. physiological characteristics of diseased and morbid conditions in the organism; functional modifications; in organ systems during severe internal organ disorders;
9. the etiology, pathogenesis, clinic, and characteristics of orthopedic disorders and injuries, as well

as the most comprehensive treatment technique.

Abilities

1. Conduct physical examinations on a living individual, including palpation, percussion, and auscultation.
2. Autopsy; the examination of a corpse's tissues and organs.
3. Analyze the electrocardiography, respiration thermometry, and hematological markers data.
4. Make a surgical connection, correctly use the surgical equipment, disconnect and reconnect the tissues, and stop the bleeding while you're doing it.
5. Follow the antiseptic asepsis regulations;
6. Use temporary and permanent techniques to stop bleeding;
7. Provide limb immobilization;
8. Determine blood group affiliation with standard serums and standard erythrocytes;
9. Apply bandages and use certain forms of local anesthetic.
10. Organize strictly surgical checkups and treatments for surgical patients.

Possessions

1. Memoir collection. Completion of medical history.
2. Performing medical examination methods on the patient.
3. Techniques for controlling bleeding temporarily or permanently.

2. BRIEF CONTENT OF THE COURSE

The "Diseases of the nose, throat and ear" course examines the subject of otorhinolaryngology, development and connection with other disciplines, clinical anatomy of the nose, protective role in the body, rhinitis, acute and chronic inflammation of the nasal sinuses, nasal septum curvature, overgrowth of shells, pharynx, clinical anatomy. , hyperplasia of the tonsils, adenoid hyperplasia, angina, laryngitis, laryngitis, false croup, acute stenosis of the larynx and trachea, ear, external ear diseases, acute and chronic otitis, inflammation of the auditory nerve, clinic, drug treatment, Meniere's disease, otosclerosis.

3. GOAL OF THE COURSE

The goal of the course is to teach students about disorders of the nose, throat, and ear, their symptoms, and how to diagnose and treat diseases using contemporary instrumental, X-ray, clinical, and other approaches.

4. EDUCATIONAL FINAL RESULTS. At the end of the course the student should:

Know

K1. Clinical anatomy and physiology of ENT organs

K2. Basic diagnostic procedures for ENT diseases;

K3. Methods of treatment: conservative and surgical.

Be Able to

A1. distinguish between contrasting and non-contrasting x-ray photography.

A2. execute external and middle ear instrumental examination methods.

A3. comment on the procedures of radioscopic examination.

A4. identify the causes of nosebleeds.

A5. give an example of a normal rhinoscopic picture.

A6. provide a comment about congenital ear, nose, and throat disorders.

A7. describe laryngoscopy, pharyngoscopy, as well as tracheoscopy data.

Possess

P1. Drainage in purulent disorders, ear cleaning

P2. Cleaning the external auditory canal, eliminating the foreign body of the external auditory canal by washing;

P3. Injection of ear drops, blowing powder medicine into the ear,

P4. Bloating in the middle ear, according to Politzer

P5. Hearing acuity is measured by whispered voice test, tuning fork, and instrumental audiometry.

P6. Nasal cavity examinations: rhinoscopic, nasal endoscopy, nasopharyngeal and other cavities palpation

P7. Tamponade of the nasal cavity, both anterior and posterior.

5. LITERATURE

1. Chair material
2. Կ.Գ.Շուքուրյան, Վարդանյան Ա.Ս., «Քթի, կոկորդի, ականջի հիվանդություններ», Երևան, 1992թ.
3. Y. Chan, J. Goddard, “KJ Lee's Essential Otolaryngology”, New York, 2015.
4. P. Probst R., Grevers G., Iro H. “Basic otorhinolaryngology”, London; 2006; 440p.
5. 15. Пальчун, В. Т. Болезни уха, горла и носа / В.Т. Пальчун. - М.: ГЭОТАР-Медиа, 2010. - 324 с.
6. Bailey`s Head and neck Surgery , Otolaryngology
7. Paul W.Flint and 4 more ` Cummings Otolaryngology ,Head and neck Surgery

6. ASSESSMENT COMPONENTS	POINT
Attendances	16
Assessment of knowledge acquisition, abilities and skills	70
Independent individual work	14

7. ASSESSMENT SYSTEM /RATING / SYSTEM

Mark	Assessment Point	Assessment letter
"Excellent"	96-100 90-95	A+ A
"Good"	80-89 70-79	B+ B
"Satisfactory"	60-69 51-59	C+ C
"Unsatisfactory"	50 and below	D
"Tested"	≥51	S
"Untested"	< 51	U

NAME OF THE COURSE	**IMMUNOLOGY AND ALLERGOLOGY**		
TYPE OF COURSE	Mandatory		
EDUCATIONAL LEVEL	CONTINUOUS AND INTEGRATED EDUCATIONAL		
THE FORM OF TRAINING	Full time		
PROFESSION	Dentist		
FACULTY	Dentistry		
COURSE	IV	Semester	VII
ACADEMIC YEAR	2020-2021		

CREATOR	PhD Anna Sargsyan
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CHAIR	Social Medicine
CLINICAL BASE	-
HEAD OF CHAIR	Ph.D. Anna Ovchyan

COURSE VOLUME

Year	Semester	Credit	Academic week	Weekly hour	Total hour	Total class. hour	Lecture hour	Pract. Lab. hour	Individual work hour	Lecturers' consultation	Examination	Test
IV	VII	2	17	2	60	34	18	16	17	9		+
Total		**2**	**17**	**2**	**60**	**34**	**18**	**16**	**17**	**9**		

1. PRECONDITION. As a basis for mastering the course, you need the following knowledge, skills and abilities, which have been developed through the school curriculum

Knowledge

1. Basic Latin Medical Terminology.
2. General and specific structural and functional properties of tissues and cells in the body.
3. Cellular, tissue, organ, organ-system, and whole-organism structural levels of living organisms
4. Mechanisms of work of organs and systems of the organism, their regulation, the influence of external environmental factors; normal homeostasis.

Abilities:

1. explain the nature of developmental deviation with its possible consequences, assessment of individual factors that characterize the health status of different groups of the population, depending on lifestyle.
2. use several hundred terminology units and elements.
3. methodology of preparation of preparations for microscopic examination and tissue differentiation during examination.
4. to work with biological literature, to study the methodology of microscopic study of biological objects. read prescriptions, clinical and pharmacological terminology in latin.
5. explain the structure, structure and functions of human organ systems.

6. assessment of the function of human organs and systems, conducting clinical trials.

Practices:

1. application of knowledge gained in practical activities

2. BRIEF CONTENT OF THE COURSE

"Immunology and Allergology" course studies the body's defense levels, immunity and its mechanisms, lymphocytes and its types, types of immunity, immune reaction mechanisms, process, regulation, antigen-antibody interaction, immunoglobulins and their types, immune tolerance, immunogram analysis, allergy, types, vaccination.

3. GOAL OF THE COURSE

The goal of the "Immunology-Allergology" course is to prepare students for independent clinical diagnosis of symptoms based on their knowledge of general immunology.

4. EDUCATIONAL FINAL RESULTS. At the end of the course the student should:

Know:

K1. The structure and functions of the immune system.

K2. Mechanisms of symptoms of the immune system in various diseases, clinical course, main methods of diagnosis.

K3.Drugs that affect the immune system

K4.Types of immunity, immunological characteristics of common diseases

Be Able to

A1. diagnose and distinguish types of immune diseases

A2. interpret the results of immunological tests.

5. LITERATURE

1. Chair material
2. Иммунология: учебная литература для студентов мед. вузов / Р.М.Хаитов и др.. – М., 2000
3. Клиническая иммунология и аллергология: учебное пособие для студентов мед. вузов / под ред. А.В.Караулова – М., 2002.
4. Наглядная иммунология/ Бурместер Г.-Р., Пецутто А., под редакцией Л.В. Козлова – М., 2009.
5. Essential Clinical Immunology / Edited by J.B. Zabriskie – Cambridge University Press, 2009.
6. Immunology at a Glance / J.H.L. Playfair, B.M. Chain – London, 2004.
7. Иммунология; практикум: учебное пособие/ под редакцией Л.В. Ковальчука, Г.А. Игнатьевой, Л.В. Ганковской – М., 2010.

6. ASSESSMENT COMPONENTS	POINT
Attendances	16
Assessment of knowledge acquisition, abilities and skills	70
Independent individual work	14

7. ASSESSMENT SYSTEM / RATING / SYSTEM

Mark	Assessment Point	Assessment letter
"Excellent"	96-100	A+
	90-95	A
"Good"	80-89	B+
	70-79	B
Satisfactory"	60-69	C+

	51-59	C
"Unsatisfactory"	50 and below	D
"Tested"	≥51	S
"Untested"	< 51	U

NAME OF THE COURSE	**NEUROLOGY**		
TYPE OF COURSE	Mandatory		
EDUCATIONAL LEVEL	CONTINUOUS AND INTEGRATED EDUCATIONAL PROGRAM		
THE FORM OF TRAINING	Full time		
PROFESSION	Dentist		
FACULTY	Dentistry		
COURSE	IV	SEMESTER	VII
ACADEMIC YEAR	2020-2021		

CREATOR	PhD Narek Mkrtchyan
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E-MAIL	narksm@gmail.com

CHAIR	Therapeutic subjects
CLINICAL BASE	"St. Grigor Lusavorich" MC
HEAD OF CHAIR	PhD A. Arshamyan

COURSE VOLUME

Year	Semester	Credit	Academic week	Weekly hour	Total hour	Total class. hour	Lecture hour	Pract. Lab. hour	Individual work hour	Lecturers' consultation	Examination	Test
IV	**VII**	3	17	3	90	51	18	33	21	12	6	
Total		**3**	**17**	**3**	**90**	**51**	**18**	**33**	**21**	**12**	**6**	

1. PRECONDITION. As a basis for mastering the course, you need the following knowledge, skills and abilities, which have been developed through the school curriculum:

Knowledge

1. the features of the anatomical structure of the human body at the level of organs and organ systems, in particular the features of the nervous system, its division and private issues,
2. structural features of cells, tissues and organs, particularly neural morphological features, methods of their study,
3. the anatomical-physiological, sex-age and individual characteristics of the structure and development of a healthy and sick organism, the physiological activities of the nervous system, its mechanisms.
4. physiological features of pathological, pathological states of the organism; functional changes of organ systems, in particular during the main diseases of the nervous system, internal organs,
5. about disorders of the normal structure of human organs and tissues in a diseased state,

Abilities

1. analyze the features, functional significance, formation of channels of the anatomical formations of the nervous system,
2. to evaluate the histophysiological state of cells, tissues and organs of the human body,
3. determine and evaluate the results of electrocardiography, spirometry and thermometry,

hematological indicators,

4. autopsy, identification of cadaver tissues and organs of the patient.

Possessions

a. perform physical examinations of a living person, such as palpation, percussion, auscultation,

b. skills of working with magnifying equipment.

2. BRIEF CONTENT OF THE COURSE

The subject of neurology studies the human nervous system, its features according to sections, diseases, differential diagnosis and treatments.

3. GOAL OF THE COURSE

The goal of the course is to teach the development patterns of the nervous system, research methods, etiology, pathogenesis and clinical manifestations of diseases. Familiarize with cerebral blood circulation disorders, as it is considered the main one in neurology, which is related to the manifestation of the peculiarities of the heart, genitourinary system and endocrine glands.

4. EDUCATIONAL FINAL RESULTS. At the end of the course, the student should

Know

K1. The basics of neurology, the pathogenesis of the main diseases, the clinic manifestations, diagnosis, treatment,

K2. application of necessary medical measures in the presence of comatose states /first aid/,

K3. the application of the main therapeutic /medication/ schemes during epilepsy, trauma, fainting /from various causes/.

Be able to

A1. Perform neurological examinations of the patient and interpret the obtained results.

A2. To carry out differential diagnosis of diseases.

Possess

P1. To perform a spinal puncture.

P2. Methods of invasive instrumental research.

P3. Interpreting data from related professional disciplines to provide neurological treatments.

P4. Differentiation of diabetic, uremic, epileptic and post-traumatic comas.

5. LITERATURE

1. Chair material

2. G. I Mirzoyan, "Nervous diseases", Yerevan, 1988.

3. V.Triumfov, ''Topical diagnosis of diseases of the nervous system'', Moscow, 2007.

4. Duus. Topical diagnosius of neurological deseases.

6. ASSESSMENT COMPONENTS	POINT
Attendances	16
Assessment of knowledge acquisition, abilities and skills	70
Independent individual work	14

7. ASSESSMENT SYSTEM /RATING / SYSTEM

Mark	Assessment Point	Assessment letter
"Excellent"	96-100	A+
	90-95	A
"Good"	80-89	B+
	70-79	B
"Satisfactory"	60-69	C+
	51-59	C

"Unsatisfactory"	50 and below	D
"Tested"	≥51	S
"Untested"	< 51	U

NAME OF THE COURSE	**DERMATOVENEREOLOGICAL DISEASES**		
TYPE OF COURSE	Mandatory		
EDUCATIONAL LEVEL	CONTINUOUS AND INTEGRATED EDUCATIONAL PROGRAM		
THE FORM OF TRAINING	Full time		
PROFESSION	Dentist		
FACULTY	Dentistry		
COURSE	III	SEMESTER	V
ACADEMIC YEAR	2020-2021		

CREATOR	Areg Chalabyan Mikael Mkhitaryan
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CHAIR	Therapeutic subjects
CLINICAL BASE	-
HEAD OF CHAIR	Ph.D. Ara Arshamyan

COURSE VOLUME

Year	Semester	Credit	Academic week	Weekly hour	Total hour	Total class. hour	Lecture hour	Pract. Lab. hour	Individual work hour	Lecturers' consultation	Examination	Test
III	**V**	3	17	3	90	51	24	27	25	14		+
Total		**3**	**17**	**3**	**90**	**51**	**24**	**27**	**25**	**14**		

1. PRECONDITION. As a basis for mastering the course, you need the following knowledge, skills and abilities, which have been developed through the school curriculum:

Knowledge

1. The main physical phenomena and patterns underlying the processes in the human body, the essence of the biochemical processes in the child's and adolescent's organism at the cellular molecular level.
2. General patterns of human ontogenesis and anthropogenesis, emergence and development of life. Anatomical and physiological, age-sex individual characteristics of the structure and development of the body of healthy and sick children and adolescents.
3. The essence of biochemical processes in the organism at the molecular, cellular level. Anatomical and physiological, age-sex individual structural and developmental features of the structure and development of a healthy and sick organism. Modern clinical, laboratory and instrumental diagnostic methods of patients, general principles and features of diagnosis of hereditary diseases and birth defects.
4. Principles of etiology, pathogenesis, morphogenesis, pathomorphosis, general nosology, classification of diseases. As a result of contact in the external environment, regulation and self-regulation of the body's functional systems in normal and pathological processes.
5. The basis of the characteristics of the main physical phenomena of the processes taking place in the human body. The nature of biochemical processes in the patient's organism at the cellular, molecular level.

6. Basic characteristics and classification of medicine, pharmacodynamics and pharmacokinetics, indications and contraindications, side effects. The use of basic antibacterial, antiviral, biological drugs.
7. Morphology and physiology of pathogenic microorganisms and viruses affecting the body, classification, microbiological diagnostic methods, use of basic antibacterial, antiviral and biological medicine.

Abilities

1. Analysis of the assessment of the histophysiological state of various cellular, tissue and organic units in children and adolescents.
2. Principles of pathogenetic therapy of the most common diseases, substantiate the nature of the pathological process, clinical expression.
3. Recording the results of laboratory and instrumental studies necessary to identify pathological processes in the body. Collection of anamnesis, conducting a patient interview, physical examination of patients of different age groups (examination, palpation, auscultation, pressure measurement, determination of the nature of pulse, respiratory rate), referral of the patient for laboratory and instrumental examination, consultation with other specialists.
4. To establish the principles of pathogenetic therapy of the most common diseases, the nature of the pathological process and clinical expressions.
5. Justifying the results of basic laboratory and functional diagnostic methods for the purpose of distinguishing pathological processes in the body and organ-systems.
6. Pharmacokinetics and pharmacodynamics of medicine, dispensing prescription
7. Justifying the nature of the pathological process, the clinical expression, the principles of pathogenetic therapy of the most common diseases.

Possessions

1. Concepts of the medical-anatomical system.
2. Interpretation of the results of laboratory and instrumental methods.
3. Skills of making a preliminary diagnosis based on the results of laboratory and instrumental investigations.
4. Prescribing medicines for various diseases, pathological situations, treatment, prevention, rehabilitation.
5. Possessing the skills of making a presumptive diagnosis based on the results of laboratory and instrumental research. Prescribing drugs in case of treatment, prevention, rehabilitation of pathological conditions of various diseases.

2. BRIEF CONTENT OF THE COURSE

The course examines frequently encountered skin and sexually transmitted diseases, their prevention, examination, and detection methods.

3. GOAL OF THE COURSE

The goal of teaching the subject "Dermatovenereological Diseases" is to provide knowledge of general and private dermatology, and to form knowledge of the etiology and pathogenesis of dermatoses and sexually transmitted diseases, principles of diagnosis, treatment, location in the mucous membrane of the oral cavity.

4. EDUCATIONAL RESULTS. At the end of the course, the student must

Know

K1. the legal basis of the state policy in the field of immunoprevention,

K2. normative acts for the prevention of hospital-acquired infection,

K3. basic legal documents for anti-epidemic service of the population in case of infectious and parasitic diseases,

K4. the basics of prevention and diagnosis of skin diseases, skin lesions, the main skin manifestations that occurred during somatic diseases,

K5. sexually transmitted diseases, their prevention, diagnosis, treatment and routes of transmission,

K6. the main therapeutic algorithms used in dermatology.

K7. to confirm the diagnosis and to obtain reliable data, according to the outcome of the disease, to plan the volume of additional investigation

K8. the basics of sanitary-epidemiological legislation for the well-being of the national population.

Be able to

A1. plan, evaluate, analyze the quality of medical care of the population and the impact of the production environment and surrounding factors on health,

A2. taking into account the gender-age, socio-professional characteristics of the population, participate in the organization of medical-preventive, sanitary-anti-epidemic aid,

A3. in emergency situations, to provide first aid to the victims in the outbreak,

A4. evaluate the results of dispensary control of treated and chronic patients,

A5. perform preventive, hygienic and anti-epidemic events, collect anamnesis, determine the patient's status, conduct an interview of the patient and relatives, perform a physical examination (examination, palpation, auscultation, blood pressure measurement, pulse identification). For the purpose of first aid, evaluate the initial examination of the nervous, endocrine, respiratory, circulatory, genitourinary, ENT- systems,

A6. develop a plan of therapeutic (surgical) actions, taking into account the process of the disease and its treatment,

A7. assess the safety and effectiveness of the treatment, determine the ways, regimen and dosages of medicine, justify the pharmacotherapy in the case of the main pathological symptoms, give the formulation of the instructions for the selected treatment method, taking into account etiotropic and pathogenetic agents,

A8. to use primary and secondary preventive methods (on the basis of evidence-based medicine) in medical activities, to highlight the cause-and-effect relationship of the influence of living environment factors on health changes,

A9. identify a dermatoveneritis patient in his surroundings, at home, at work, give appropriate instructions, advice, organize decontamination (scabies, fungal diseases, syphilis, etc.) and send to appropriate medical facilities,

A10. to use the different methods of introduction of medicine, to establish a presumptive diagnosis, to highlight the etiology of the disease,

A11. to carry out public health measures in age and gender groups,

A12. carry out healthy diet counseling,

A13. to plan and conduct preventive measures for diseases that are often encountered in the national population.

Possess

P1. Correct filling of medical documents,

P2. extensive algorithms for clinical diagnosis,

P3. analysis of the results of laboratory, instrumental diagnostic methods

P4. basic medical diagnostic and treatment measures for organizing first aid in life-threatening situations and emergency situations,

P5.techniques of the main interventions of skin diseases: performing manipulations, prevention, dispensation,

P6. formulation of clinical diagnosis,

P7. additional examinations for confirmation of diagnosis,

P8. consultation and emergency care of patients with skin and venereal diseases.

5. LITERATURE

1. Chair material
2. Бутов Ю.С. Кожные болезни и инфекциии, передаваемые половым путем. М.,2002.
3. Кожные и венерические болезни (учебник для врачей), Ю. К. Скрипкин, М.-2000.688с.
4. Лобзин Ю.В., Ляшенко Ю.И., Позняк А.JI. Хламидийные инфекции. Руководство для врачей. С-Петербург, «Фолиант»,2003.
5. Прохоренков В.И. Сифилис. Иллюстрированное руководство. М., Изд-во «Медицинская книга», 2002. 297с.
6. Ситкевич А.Е., Казеко А.Г. Профилактика и лечение аллергических заболеваний кожи.
7. Фармакокинстический справочник дерматолога Ю.К. Скрипкин. М. «МЕДпресс»,2001.-432с.
8. В.П. Адаскевич, В. М. Козин - ,, Кожные и венерические болезни,, –учебное руководство, Москва, мед. Литер.,2006.
9. А.Н.Родионов, справочник по кожным и венерическим заболеваниям, 3-е издание, Питер-2005,
10. Մ.Ե.Միրաքյան, ,,Մակերեսային սնկային հիվանդություններ, Երևան, «Հայաստան» , 2003:
11. Doctors.am, բժշկական տեղեկատու, www.doctors.am,
12. Med Practik առողջության համար, բժշկական տեղեկատու, www.med.practic.am,
13. L. Goldsmith, S. Katz, B. Gilchrest, A. Paller, D. Leffell, K. Wolff, Fitzpatrick's Dermatology in General Medicine, 8th edition, New York, 2008,
14. Thomas P. Habif - Clinical Dermatology, 2009, 5th Edition, Amsterdam, 2016.
15. Rook's Textbook of Dermatology,8th Edition, 4 Volume, 2010.

6. ASSESSMENT COMPONENTS	POINT
Attendances	16
Assessment of knowledge acquisition, abilities and skills	70
Independent individual work	14

7. ASSESSMENT SYSTEM /RATING / SYSTEM

Mark	Assessment Point	Assessment letter
"Excellent"	96-100 90-95	A+ A
"Good"	80-89 70-79	B+ B
"Satisfactory"	60-69 51-59	C+ C
"Unsatisfactory"	50 and below	D
"Tested"	≥51	S
"Untested"	< 51	U

NAME OF THE COURSE	**OPHTHALMOLOGIC DISEASES**		
TYPE OF COURSE	Mandatory		
EDUCATIONAL LEVEL	CONTINUOUS AND INTEGRATED EDUCATIONAL PROGRAM		
THE FORM OF TRAINING	Full time		
PROFESSION	Dentist		
FACULTY	Dentistry		
COURSE	IV	Semester	VII
ACADEMIC YEAR	2020-2021		

CREATOR	PhD associate professor, Anahit Vardanyan, Marine Kirakosyan
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CHAIR	Surgical Subjects
CLINICAL BASE	"Nairi" MC
HEAD OF CHAIR	M.D. PhD A. Minasyan

COURSE VOLUME

Year	Semester	Credit	Academic week	Weekly hour	Total hour	Total class. hour	Lecture hour	Pract. Lab. hour	Individual work hour	Lecturers' consultation	Examination	Test
IV	**VII**	2	17	2	60	34	16	18	17	9		+
Total		**2**	**17**	**2**	**60**	**34**	**16**	**18**	**17**	**9**		

1. PRECONDITION. As a basis for mastering the course, you need the following knowledge, skills and abilities, which have been developed through the school curriculum:

Knowledge

1. At the levels of human organs, organ-systems and organism.
2. About disorders of the normal structure of human organs and tissues in a diseased state.
3. The anatomical-physiological, sexual-age and individual characteristics of the structure and development of a healthy and sick organism;
4. Relationships of organs and tissues in separate topographic regions, which provides an opportunity to understand the ways of the emergence, development and spread of pathological processes.
5. General principles of operations, including the study of operative accesses and methods.
6. Basic principles of diagnosis, treatment and anesthesia in surgery.
7. Physiological features of pathological and pathological states of the organism, functional changes of organ systems during the main diseases of internal organs.
8. The etiology, pathogenesis, clinic, diagnostic features and the most complete method of treatment of internal diseases.

Abilities

1. Perform physical examinations of a living person, such as palpation, percussion, auscultation.
2. determine and evaluate the results of electrocardiography, spirometry and thermometry, hematological indicators;
3. Perform surgical suturing and ligation, use surgical instruments correctly, cut and join tissues, and stop bleeding in the process.
4. Apply the rules of aseptic and antiseptic,
5. Stop bleeding, with temporary and final methods,
6. Determine blood group affiliation with standard sera and standard erythrocytes,
7. use some methods of local anesthesia,
8. Place types of bandages.
9. to organize purely therapeutic examinations and treatments of patients.

2. BRIEF CONTENT OF THE COURSE

"Ophthalmologic Diseases" course examines the history of the development of ophthalmology, embryonic development of the eye, anatomy of the eye, pupil, structure, accessory organs of the eye, their role, eye membranes, contents of the eyeball cavity, nutrition of the eyeball and its accessory parts, hemodynamic features, visual pathway, eyeball and the innervation of the lens, physiology of the eye, photosensitivity, adaptation, pigmentation, central and peripheral vision, binocular vision, eye refraction and accommodation, complications of different types of refraction, types of corneal lesions, corneal diseases, complications, outcomes, choroidal diseases clinic, complications, treatment principles, lens damage, course, conservative and surgical treatment methods, types of retinal damage, treatment principles, optic nerve diseases, glaucoma, types, acute attack, treatment.

3. GOAL OF THE COURSE

The goal of the course is to teach diseases of the visual organ, etiology, pathogenesis, clinic, diagnosis, treatment, connection of eye diseases with other diseases, performance of some functional eye examinations.

4. EDUCATIONAL FINAL RESULTS. At the end of the course, the student should

Know

K1. clinical anatomy and physiology of the visual organ, the main methods of diagnosis, prevention and treatment of diseases and injuries of the visual organ: conservative and surgical.

Be able to

A1. perform external ophthalmoscopic examinations of the eye and its supporting system,

A2. determine and evaluate the anatomical elements of the eye during the examination,

A3. perform visual acuity testing, color vision and visual field determination procedures.

Possess

P1. the use of eye drops and salves,

P2. prescription of glasses in case of different types of refractions,

P3. mono- and binocular bandaging methods.

P4. removal of a foreign body from the conjunctiva.

5. LITERATURE

1. Chair material.
2. Офтальмология: учебник для вузов / Под ред. Е.А. Егорова – М. : ГЭОТАР-Медиа, 2010. – 240 с.
3. Глазные болезни: Учебник / Под ред. В. Г. Копаевой. – М.: Медицина, 2008. – 560 с.: ил. - (Учеб. лит. Для студентов мед. вузов)

4. Глазные болезни. Основы офтальмологии: учебник / [Э. С. Аветисов и др.] ; под ред. В. Г. Копаевой. - М. : Медицина, 2012. - 552 с. : ил. - (Учебная литература для студентов медицинских вузов)
5. Oxford Handbook of Ophthalmology; Alastair Denniston (Editor); third edition; Oxford,. Medical Handbooks; 2014. – 1027p.
6. Kanski's Clinical Ophthalmology; 8th Edition; Saunders Ltd. 2015. – 928p.

6. ASSESSMENT COMPONENTS	POINT
Attendances	16
Assessment of knowledge acquisition, abilities and skills	70
Independent individual work	14

7. ASSESSMENT SYSTEM /RATING / SYSTEM

Mark	Assessment Point	Assessment letter
"Excellent"	96-100 90-95	A+ A
"Good"	80-89 70-79	B+ B
"Satisfactory"	60-69 51-59	C+ C
"Unsatisfactory"	50 and below	D
"Tested"	≥51	S
"Untested"	< 51	U

NAME OF THE COURSE	**PSYCHIATRY**		
TYPE OF COURSE	Mandatory		
EDUCATIONAL LEVEL	CONTINUOUS AND INTEGRATED EDUCATIONAL PROGRAM		
THE FORM OF TRAINING	Full time		
PROFESSION	Dentist		
FACULTY	Dentistry		
COURSE	V	SEMESTER	X
ACADEMIC YEAR	2020-2021		

CREATOR	PhD Anna Chilingaryan, Lusine Arzumanyan
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CHAIR	Therapeutic subjects
CLINICAL BASE	National Centre For Mental Health Care CJSC
HEAD OF CHAIR	PhD Ara Arshamyan

COURSE VOLUME

Year	Semester	Credit	Academic week	Weekly hour	Total hour	Total class. hour	Lecture hour	Pract. Lab. hour	Individual work hour	Lecturers' consultation	Examination	Test
V	**X**	2	17	2	60	34	16	18	17	9		+
Total		**2**	**17**	**2**	**60**	**34**	**16**	**18**	**17**	**9**		

1. PRECONDITION. As a basis for mastering the course, you need the following knowledge, skills and abilities, which have been developed through the school curriculum:

Knowledge

1. Ethics and deontology in medicine, taking into account the characteristics of the sick organism, the laws of dialectical materialism in medicine.
2. Individual features of the anatomiophysiological and age-sex structure and development of healthy and diseased organisms, the structure, topography and development of cells, tissues, organs and systems, cooperation of their functions in normal and pathological conditions, organ changes and population features at the levels of life formation.
3. The microstructure of tissues and cells of the human body.
4. Study of metals, microelements with a certain biological role in human activity, buffer systems maintaining poststasis.
5. The basic laws of physics, the physical phenomena and patterns underlying the main processes in the human body. Characteristics of physical factors affecting the human body and biophysical mechanisms of influence.
6. The main metabolic processes in the body to detect disorders of protein, carbohydrate and fat metabolism, the basic biochemical indicators of blood to evaluate the state of protein, carbohydrate and fat metabolism, knowledge of the participation of various organ systems in metabolism to detect pathologies of the liver, gastrointestinal system, kidneys, cardiovascular

system.

7. Functional systems of the human organism, their regulation under the influence of the external environment and self-regulation in normal and pathological conditions.
8. Basic knowledge about immunity, its types, forms of expression. The role of immunity during the infectious process. Characteristics of the main reactions of humoral immunity.
9. About the structure, development and vital activity of the tissues of the human organism, as well as the levels of the structure, development and vital activity of the tissues of an individual organism,
10. The anatomical-physiological, sex-age and individual characteristics of the structure and development of a healthy and ill organism, the functional systems of the human organism, their regulation and self-regulation when interacting with the external environment, in normal and pathological conditions.
11. Morphological changes during diseases of internal organs, different clinico-anatomical variants of diseases, complications of acute and chronic processes of all nosological forms.
12. Clinical methods of examination of therapeutic patients. Laboratory and instrumental examination of patients (temperature measurement, spirometry, blood pressure, venous pressure measurement, determination of blood flow rate, gastric and duodenal probing, examination of sputum, blood, urine, feces, gastric juice examination, ECG). Theoretical understanding of the main laboratory-instrumental examinations conducted by specialists (endoscopy, radioisotope examination, ECG, phonocardiography, echocardiography, biopsy, sternum puncture data, examination of the function of external respiration), respiratory, blood supply, digestive systems, liver, kidneys, blood system, musculoskeletal the main clinical symptoms in system diseases and the ability to group their typical syndromes. Compiling the patient's examination data in the form of a medical history.

Abilities

1. the identification of anatomical orientations necessary for physical examinations of a living person (palpation, percussion, auscultation),
2. interpret the results of the most common methods of functional diagnostics, which are used to identify damage to the blood, heart and vessels, lungs, liver, other organs and systems, determine and evaluate the results of electrocardiography, spirometry and thermometry.

Possessions

1. Medical-anatomical concepts.
2. Basic methods of patient care and basic nursing manipulations.
3. Clinical and some instrumental methods of examining therapeutic patients.

2. BRIEF CONTENT OF THE COURSE

The course "Psychiatry" consists of "General psychopathology" and "Private psychiatry" sections and studies the causes of development of psychiatric diseases, clinical manifestations, their prevention, treatment and organization of appropriate help.

3. GOAL OF THE COURSE

The goal of the course is to acquaint the students with the basics of psychiatry, in part, general psychopathology, individual mental illnesses, their clinical manifestations and distinguishing diagnostic features, establish a connection with other medical disciplines and form a clinical mindset in the student on the basis of the knowledge gained during the course.

4. EDUCATIONAL FINAL RESULTS. At the end of the course, the student should

Know

K1. Etiology, pathogenesis, modern classification of the most common psychiatric disorders.

K2. The clinical picture of psychiatric diseases, features of the course, possible complications,

K3. The main methods of diagnosis of psychiatric diseases, the criteria of differential diagnosis.

K4. Features of examination of psychiatric diseases.

K5. Basic methods of treatment of psychiatric illnesses

Be able to

A1. determine the patient's condition: collect anamnesis, conduct an interview with the patient and/or his relatives, conduct a physical examination of the patient, assess the patient's condition to determine the need to provide him with medical care.

Possess

P1. Analysis of investigation results.

5. LITERATURE

1. Chair material
2. Child and adolescent psychopathology - M. A. Melik-Pashayan, Gevorgyan, M. G. Yeghiyan, 2005
3. A. E. Melik-Pashayan, "Psychiatry", Yerevan, 2012
4. Bukhaenovsky A.R., Kutyavin Yu.A., Litvak M.E., ,,General psychopathology '', Textbook, Rostov-on-Don, 1992
5. B.L. Gazhenko, Propaedeutics of Psychiatry, textbook-Postov-on-Don 2003
6. "Psychiatric Disorders", Professional Care Guide, Springhouse Corporation, Pennsylvania, 1995
7. B.J. Sadock, V.A. Sadock, “Kaplan & Sadock’s Synopsis of Psychiatry. Behavioral Sciences/Clinical Psychiatry”, 9th edition, Lippincott Williams & Wilkins, USA, 2003
8. DSM-IV-TR (Diagnostic and Stastistical Manual of Mental Disorders). 4th ed. 2005
9. General psychopathology - A.B. Bukhanovsky, Rostov-on-Don, 2000

6. ASSESSMENT COMPONENTS	POINT
Attendances	16
Assessment of knowledge acquisition, abilities and skills	70
Independent individual work	14

7. ASSESSMENT SYSTEM /RATING / SYSTEM

Mark	Assessment Point	Assessment letter
"Excellent"	96-100 90-95	A+ A
"Good"	80-89 70-79	B+ B
"Satisfactory"	60-69 51-59	C+ C
"Unsatisfactory"	50 and below	D
"Tested"	≥51	S
"Untested"	< 51	U

NAME OF THE COURSE	**OBSTETRICS**		
TYPE OF COURSE	Mandatory		
EDUCATIONAL LEVEL	CONTINUOUS AND INTEGRATED EDUCATIONAL PROGRAM		
THE FORM OF TRAINING	Full time		
PROFESSION	Dentist		
FACULTY	Dentistry		
COURSE	IV	SEMESTER	VIII
ACADEMIC YEAR	2020-2021		

CREATOR	PhD Rusudan Vardanyan Anna Khachatryan
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CHAIR	Surgical subjects
CLINICAL BASE	"Shengavit" MC
HEAD OF CHAIR	MD, Prof. A. Minasyan

COURSE VOLUME

Year	Semester	Credit	Training week	Weekly hours	Total hours	Total lessons hours	Lecture' s hours	Lab. Practice hours	Hours of Independent individual work	Lecturer advise	Examine	Test-exam
IV	**VIII**	3	13	4	90	52	24	28	20	12	6	
Total		**3**	**13**	**4**	**90**	**52**	**24**	**28**	**20**	**12**	**6**	

1. PRECONDITION. As a basis for mastering the course, you need the following knowledge, skills and abilities, which have been developed through the school curriculum:

Knowledge:

1. Ethics and deontology, features of patient psychology
2. With levels of human organs, organ-systems and organisms.
3. Disorders of the normal structure of human organs and tissues in a diseased state:
4. Organizational-physiolog , sex-age-individual Features of the structure and development of a healthy and diseased organism.
5. Relationship of organs and tissues in separate topographic regions, which allows to get an idea of the pathogenesis, development and distribution of pathological processes
6. General principles of surgery, including the study of operative access and methods
7. Basic principles of diagnosis, treatment and anesthesia in surgery.
8. Etiology, pathogenesis, clinicand diagnostic features of surgical diseases of the breast and abdomen, the most complete method of treatment.
9. Physiological features of pathological, morbid conditions of the organism; Functional changes in

organ systems during major diseases of internal organs

10. Etiology, pathogenesis, clinic, diagnostic features of internal diseases, the most complete method of treatment

Abilities:

1. Perform human's physical examinations such as palpation, percussion, auscultation.
2. Qualify the results of electrocardiography, respiration and thermometry, hematological indicators.
3. Make a surgical connection, use the surgical instruments correctly, disconnect the users and connect, stop the bleeding during that time.
4. Keep the rules of antiseptic's and aseptic
5. Stop the bleeding with temporarily and final methods
6. Determine blood grouping with standard serums and standard erythrocytes;
7. Perform blood conservation and maintenance;
8. Ensure limb immobilization;
9. Use some methods of local anesthesia;
10. Install types of bandages.

2. BRIEF CONTENT OF THE COURSE

The "Obstetrics" course is intended for the students of the Faculty of Dentistry, which includes the sections of physiological and pathological obstetrics.

3. GOAL OF THE COURSE

The goal of the course is to teach the materials, to give students the opportunity, in the practice of the future doctor, if necessary, to prevent possible complications of pregnancy, childbirth, postpartum, as well as a number of gynecological diseases, to diagnose correctly, to choose the right management tactics.

4. EDUCATIONAL FINAL RESULTS. At the end of the course, the student should

Know:

K-1. Problems of obstetrics and gynecology deontology, peculiarities of the organization of pregnant women, obstetricians, obstetricians, medical care in outpatient conditions, sanitary-epidemic regime of obstetrics and gynecology departments of hospitals

K-2. Biological periods of female life. Fertilization. Diagnosis of pregnancy. Development of fetal membrans. Physiological changes during pregnancy in female organism. Fetus development.

K-3 Management of normal labor**.** Biomechanism of delivery with different presentations of fetus. Normal postpartum period.:

K-4. Newborns development, their diseases and pathological cases

K-5. Diagnosis of pathology in pregnancy, delivery and postpartum periods; prevention and treatment; Indications and contraindications of pregnancy protection, prolongation of pregnancy, premature labor and abortions; management of pathological deliveries.

K-6. Anatomo-physiological features of female reproductive organs

K-7. Basic principles of family planning:

5. LITERATURE

1. Chair material
2. D.C Dutta" Text Book of Obstetrics" Sixth Edition-2004
3. В.Е. Радзинский,А.М Фукс " учебник по Акушерстве"
4. Chair materials

6. ASSESSMENT COMPONENTS	POINT
Attendances	16
Assessment of knowledge acquisition, abilities and skills	70
Independent individual work	14

7. ASSESSMENT SYSTEM /RATING / SYSTEM		
Mark	Assessment Point	Assessment letter
"Excellent"	96-100 90-95	A+ A
"Good"	80-89 70-79	B+ B
"Satisfactory"	60-69 51-59	C+ C
"Unsatisfactory"	50 and below	D
"Tested"	≥51	S
"Untested"	< 51	U

NAME OF THE COURSE	**PEDIATRICS**		
TYPE OF COURSE	Mandatory		
EDUCATIONAL LEVEL	CONTINUOUS AND INTEGRATED EDUCATIONAL PROGRAM		
THE FORM OF TRAINING	Full time		
PROFESSION	Dentist		
FACULTY	Dentistry		
COURSE	IV	SEMESTER	VII
ACADEMIC YEAR	2020-2021		

CREATOR	PhD associate professor, Sahakanush Arustamyan Hasmik Gevorgyan
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CHAIR	Therapeutic subjects
CLINICAL BASE	-
HEAD OF CHAIR	PhD A. Arshamyan

COURSE VOLUME

Year	Semester	Credit	Academic week	Weekly hour	Total hour	Total class. hour	Lecture hour	Pract. Lab. hour	Individual work hour	Lecturers' consultation	Examination	Test
IV	**VII**	2	17	2	60	34	20	14	17	9		+
Total		**2**	**17**	**2**	**60**	**34**	**20**	**14**	**17**	**9**		

1. PRECONDITION. As a basis for mastering the course, you need the following knowledge, skills and abilities, which have been developed through the school curriculum:

Knowledge

2. ethics and deontology, features of child psychology in terms of the child's age.
3. anatomical features of the organism, organs and organ-systems in children.
4. embryogenesis of organism, organs, organ-systems and tissues.
5. functional characteristics of the organism, organs and organ-systems in different age groups.
6. general patterns of life activity of all classes of microorganisms and their role in human life and health. The main characteristics and mechanisms of influence of the changing factors in the child's organism.
7. types of parasitic diseases, etiology.
8. health groups in childhood, rational nutrition and daily routine in different periods of childhood, indicators of children's physical development, physical education and tempering of children, formation of hygienic standards of children's healthy lifestyle, ensuring sanitary and hygienic conditions of children's external environment in children's groups.
9. the basics of biochemical processes in healthy children and during various pathological processes.
10. issues of disease development, functional features of the child's body during various pathological conditions.

11. morphological changes in childhood diseases.
12. the main drugs used in childhood, their therapeutic and side effects.
13. Basic principles of asepsis and antiseptics, hemotransphysiology, surgical diseases in children.
14. radiodiagnostic features.

Abilities

1. determine and evaluate the results of electrocardiography, spirometry and thermometry, hematological indicators.
2. to carry out physical examinations of an alive person (palpation, percussion, auscultation).

Possessions

1. Collecting the patient's anamnesis.

2.BRIEF CONTENT OF THE COURSE

The "Pediatrics" course includes and substantiates knowledge and abilities regarding all periods of childhood (prenatal, intranatal, postnatal), highlights their differences, forms a mindset regarding the assessment and correction of the health, physical development and pathological processes of children of different ages.

3. GOAL OF THE COURSE

The goal of the course is to provide students with the knowledge of the characteristics of newborn age, the ability to distinguish between mature and immature newborns, the viability of the newborn, the assessment of borderline states, the ability to identify the most common diseases of newborn age, assess the severity and organize treatment, and organize the diagnosis, differentiation and prevention of the most common diseases of older children. , as well as the ability to assess the immediate conditions of children and organize help.

4. EDUCATIONAL FINAL RESULTS. At the end of the course, the student should

Know

K1. Periods of childhood, characteristics of children's physical and/or neuropsychological development, collection of morphometric data, importance of environmental and hereditary factors affecting children's physical development, developmental deviations.

K2. The modern aspects of etiopathogenesis, characteristics, classifications, pathogenesis and features of the clinical course of the main pediatric diseases. Their modern methods of diagnosis and treatment.

K3. . Approaches to rational child nutrition in accordance with modern concepts

K4. Organization of treatment of a sick child in outpatient and inpatient conditions.

Be able to

A1. Communicate with a healthy and sick child, his parents, keeping the norms and principles of deontology.

A2. Prescribe appropriate treatment, provide necessary emergency assistance.

A3. Evaluate the physical and/or neuropsychological development of children in different age groups.

Possess

P1. Collecting and evaluating a child's life and medical history collection.

5. LITERATURE

1. Chair material
2. Ա.Ս. Բաբլոյանի խմբագր., «Մանկաբուժություն», Երևան, 2010թ.

3. Վ.Ա Աստվածատրյան, «Կլինիկական մանկաբուժություն», Երևան, 1987թ.
4. Վ.Ա Աստվածատրյան, «Մանկական հիվանդություններ», Երևան, 1975թ.
5. Исаева Л.А., “Детские болезни”, Москва, 2002г.
6. Berkowitz’s Pediatrics: A Primary Care Approach, 4th Edition, Editor: Diane Lundquist, 2000, American academy of pediatrics, 997 p.
7. Robert M. Kliegman, “Nelsen Textbook of Pediatrics”, 20 editions, Elsevier, 2016, 5315 p.

6. ASSESSMENT COMPONENTS	POINT
Attendances	16
Assessment of knowledge acquisition, abilities and skills	70
Independent individual work	14

7. ASSESSMENT SYSTEM /RATING / SYSTEM

Mark	Assessment Point	Assessment letter
"Excellent"	96-100 90-95	A+ A
"Good"	80-89 70-79	B+ B
"Satisfactory"	60-69 51-59	C+ C
"Unsatisfactory"	50 and below	D
"Tested"	≥51	S
"Untested"	< 51	U

NAME OF THE COURSE	**PHYSIOTHERAPY IN DENTISTRY**		
TYPE OF COURSE	Mandatory		
EDUCATIONAL LEVEL	CONTINUOUS AND INTEGRATED EDUCATIONAL PROGRAM		
THE FORM OF TRAINING	Full time		
PROFESSION	Dentist		
FACULTY	Dentistry		
COURSE	V	SEMESTER	X
ACADEMIC YEAR	2020-2021		

CREATOR	PhD Eleonora Minasyan
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CHAIR	"Traditional medicine named after E. Minasyan"
CLINICAL BASE	SMTC
HEAD OF CHAIR	PhD Eleonora Minasyan

COURSE VOLUME

Year	Semester	Credit	Academic week	Weekly hour	Total hour	Total class. hour	Lecture hour	Pract. Lab. hour	Individual work hour	Lecturers' consultation	Examination	Test
V	**X**	2	17	3	60	51	12	39	5	4		+
Total		**2**	**17**	**3**	**60**	**51**	**12**	**39**	**5**	**4**		

1. PRECONDITION. As a basis for mastering the course, you need the following knowledge, skills and abilities, which have been developed through the school curriculum:

Knowledge

- the effect of various physical factors on the organism,
- the mechanism of influence of physical factors,
- therapeutic indications and contraindications of physical factors during each form of inflammation.
- anatomical-physiological age-sex and individual structural features of the human body.

Abilities

- Perform physical examinations of a person (auscultation, palpation, percussion).
- Interpret the most commonly used functional examination data.
- Interpret and distinguish typical pathological processes in the body, apply medical and biological laboratory equipment.

Possessions

- Work with medical documents, educational and scientific literature.
- Collecting the patient's anamnesis, making an examination plan, making an examination plan, interpreting examination data.

2. BRIEF CONTENT OF THE COURSE

The course examines treatment with high-frequency alternating current and high-frequency electromagnetic fields, magnetotherapy, the use of physiotherapy in the therapeutic complex, the stages of treatment in different regions of diseases (acute, subacute and chronic and as a prophylactic measure), thermotherapy (paraffin, ozokerite, clay, sand, therapeutic muds), hydrotherapy and balneotherapy, therapeutic inhalations and climate therapy, as well as features of physiotherapy in dentistry.

3. GOAL OF THE COURSE

The goal of teaching the subject "Physiotherapy" is to provide theoretical knowledge on the forms and methods of physiotherapy treatment, to improve practical skills and abilities.

4. EDUCATIONAL FINAL RESULTS. At the end of the course, the student should

Know

K1. the effect of various physical factors on the organism,

K2. the mechanism of influence of physical factors,

K3. therapeutic indications and contraindications of physical factors during each form of inflammation.

Be able to

A1. use different types of physiotherapeutic means and equipment.

Possess

P1. the general procedure for working with devices,

P2. safety rules of equipment in physiotherapy offices,

P3. to the technique of performing the procedure.

5. LITERATURE

1. Chair material.
2. V Robertson, A Ward, J Low and A Reed. Electrotherapy Explained: Principles and Practice. 2006 Elsevier, P 564
3. J Fox and T Sharp. Practical Electrotherapy: A Guide to safe Application. May 2007. P 256 Elsevier
4. Tim Watson Ethne Nussbaum. Electrophysical Agents 13th Edition. 2020, Elsevier P 432
5. Jan Bjordal. Clinical Electrotherapy: Your Guide to Optimal Treatment. 2001, Prima Books. P 178
6. V. S. Ulashchik, I. V. Lukomsky_General physiotherapy, 2005.
7. Gafiyatullina G.Sh., Omelchenko V.P. - Physiotherapy – 2010
8. V. M. Bologolyubov, ''Physiotherapy and balneology'', Moscow, 2009.
9. Private physiotherapy, Ponomarenko G. 2005.
10. Ushakov. Practical Physiotherapy, 2009
11. A.A. Charkin, V.S. Ulashchin, “Ultrasound therapy”, Moscow, 1983
12. V. S. Ulashchik, ''Physiotherapy'', Universal Medical Encyclopedia, Minsk, 2008.
13. V.V. Orzhoshkovsky, ''Clinical Physiotherapy'', Moscow, 1984.
14. V.G. Yasnogorodsky, ''Electrotherapy'', 1987
15. V.M. Bogolyubov, ''Physiotherapy and balneology'', Moscow, 1999
16. V.S.Ulashchin, ''Physical-pharmacological methods of treatment and prevention”, Moscow, 1979.
17. N.N. Sosina, “Physiotherapeutic Handbook”, Moscow, 1999
18. G.K. Mkrtchyan, "Physiotherapy", Yerevan, 1962.7.2.

6. ASSESSMENT COMPONENTS	POINT
Attendances	16

Assessment of knowledge acquisition, abilities and skills	70
Independent individual work	14

7. ASSESSMENT SYSTEM /RATING / SYSTEM		
Mark	Assessment Point	Assessment letter
"Excellent"	96-100 90-95	A+ A
"Good"	80-89 70-79	B+ B
"Satisfactory"	60-69 51-59	C+ C
"Unsatisfactory"	50 and below	D
"Tested"	≥51	S
"Untested"	< 51	U

NAME OF THE COURSE	**FORENSIC MEDICINE**		
TYPE OF COURSE	Mandatory		
EDUCATIONAL LEVEL	CONTINUOUS AND INTEGRATED EDUCATIONAL PROGRAM		
THE FORM OF TRAINING	Full-time		
PROFESSION	Dentist		
FACULTY	Dentistry		
COURSE	V	SEMESTER	IX
ACADEMIC YEAR	2020-2021		

CREATOR	DMed Sc Asadur Namagerdi Hasmik Zakaryan Hasmik Barseghyan Anna Khachpanyan
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CHAIR	Medical – Biological subjects
CLINICAL BASE	"Surb Grigor Lusavorich" Medical Center
HEAD OF CHAIR	PhD Naira Hunanyan

COURSE VOLUME

Year	Semester	Credit	Academic week	Weekly hour	Total hour	Total class hour	Lecture hour	Pract. Lab. hour	Individual work hour	Lecturers' consultation	Examination	Test
V	**IX**	2	16	2	60	32	16	16	19	9		+
Total		**2**	**16**	**2**	**60**	**32**	**16**	**16**	**19**	**9**		

1.PRECONDITION. As a basis for mastering the course, you need the following knowledge, skills and abilities, which have been developed through the school curriculum:

Knowledge:

1. At the levels of organs, organ-systems and organism,
2. About disorders of the normal structure of human organs and tissues in a diseased state,
3. The anatomical-physiological, sex-age and individual characteristics of the structure and development of a healthy and sick organism,
4. The relationships of organs and tissues in separate topographical regions, which provides an opportunity to gain insight into the ways of the emergence, development and spread of pathological processes,
5. General principles of operations, which include the study of operative inputs and methods,
6. Basic principles of diagnosis, treatment and anesthesia in surgery,
7. Etiology, pathogenesis, clinic, diagnostic features and the most complete method of treatment of surgical diseases of the chest and abdomen,

8. Physiological features of pathological, morbid conditions of the organism; functional changes of organ systems during the main disease of internal organs.
9. The etiology, pathogenesis, clinical, diagnostic features and the most complete method of treatment of internal disease.
10. The etiology, pathogenesis, clinical, diagnostic features and the most complete method of treatment of injuries and orthopedic disease,
11. Features of the organization of medical care for pregnant women, women in labor, women in birth, as well as a number of gynecological patients in outpatient and inpatient conditions.

Abilities:

1. Perform physical examination of a living person, such as palpation, percussion, auscultation,
2. Discovery of cadaver tissues and organs of the patient,
3. Determine and evaluate the results of electrocardiography, spirometry and thermometry, hematological indicators,
4. Perform surgical suturing and ligation, correctly use surgical instruments, perform tissue separation and connection, while stopping bleeding,
5. Application of aseptic and antiseptic rules,
6. Stop bleeding with temporary and final methods,
7. Determination of blood groups with standard serum and standard erythrocytes,
8. Performance and maintenance of blood conservation,
9. Providing immobilization of limbs,
10. Use of some methods of local anesthesia,
11. Placement of types of bandages,
12. Organization of purely surgical examinations and treatments of thoracic and abdominal surgical patients,
13. Organization of purely therapeutic research and treatment of patients,
14. Organization of examinations and treatments of patients.

2. BRIEF CONTENT OF THE COURSE

The course examines the subject of forensic medicine and the objects of its study, the basics of the organization of forensic medicine, forensic death, forensic examination of corpses (of different ages and sexes), forensic traumatology, its types, forensic examination, forensic general and private toxicology, victims, suspects and accused (living persons), forensic medical examination of physical evidence, mistakes of professional activities of medical workers.

3. GOAL OF THE COURSE

To teach the main sections of forensic medical examination, the knowledge of which will be used in solving various questions of a medical nature that arise in practical work. It will also help students acquire the medical ethics skills necessary to avoid conflicts with criminal and civil law in the future.

4. EDUCATIONAL FINAL RESULTS. At the end of the course the student should:

Know:

K1. Methods of judicial and forensic research, wording of conclusions and documents.

K2. Medical ethics.

K3. Peculiarities of forensic examination of corpses of fetuses and infants.

K4. Liability of medical workers in case of professional offenses.

K5. Cases of exhumation.

Be able to:

A1. Conduct an inspection of the scene.

A2. Perform forensic medical examination of living persons and corpses:

a. Determining the age of death,
b. Possible causes of death,
c. Presence of signs of violence,
d. Autopsy technique.

A3. Perform diagnosis of autopsy material.

5. LITERATURE

1. Chair material
2. Շ.Ա.Վարդանյան, «Դատական բժշկություն»: Ուս. ձեռնարկ, Երևան, 2010, 304 էջ:
3. Շ.Ա.Վարդանյան, «Դատական բժշկություն», Երևան, 1995 թ.
4. Ն.Մ. Ավագյան, Կ.Լ. Նազարեթյան, Ա.Ս.Թորոսյան, «Դատական բժշկության դասընթաց», Երևան, 1978 թ.
5. Судебная медицина в схемах и рисунках; Г. А. Пашинян, П. О. Ромодановский; М, ГЭОТАР-Медиа, 2010.
6. Sh. Vardanyan, K. Avagyan, S. Hakobyan. “Forensic Medicine”. Handout for foreign students. Yerevan, 2007, 119p.
7. Textbook of Forensic Medicine and Toxicology; Krishan Vij; 5d Edition, ELSEVIER, 2011, 593p.
8. Simpson’s Forensic Medicine; 13rd Edition, 2011 Hodder & Stoughton Ltd; 253p.

6. ASSESSMENT COMPONENTS	POINT
Attendance	16
Assessment of knowledge acquisition, abilities and skills	70
Independent individual work	14

7. ASSESSMENT SYSTEM /RATING / SYSTEM

Mark	Assessment Point	Assessment letter
"Excellent"	96-100 90-95	A+ A
"Good"	80-89 70-79	B+ B
"Satisfactory"	60-69 51-59	C+ C
"Unsatisfactory"	50 and below	D
"Tested"	≥51	S
"Untested"	< 51	U

NAME OF THE COURSE	**PREVENTION OF DENTAL DISEASES**		
TYPE OF COURSE	Mandatory		
EDUCATIONAL LEVEL	CONTINUOUS AND INTEGRATED EDUCATIONAL PROGRAM		
THE FORM OF TRAINING	Full time		
PROFESSION	Dentist		
FACULTY	Dentistry		
COURSE	II	SEMESTER	III
ACADEMIC YEAR	2020-2021		

CREATOR	PhD Narine Brsikyan Arev Zeynalyan
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CHAIR	Dentistry
CLINICAL BASE	SMTC
HEAD OF CHAIR	PhD H. Hakobyan

COURSE VOLUME

Year	Semester	Credit	Academic week	Weekly hour	Total hour	Total class. hour	Lecture hour	Pract. Lab. hour	Individual work hour	Lecturers' consultation	Examination	Test
II	**III**	4	17	4	120	68	24	44	34	18		+
Total		**4**	**17**	**4**	**120**	**68**	**24**	**44**	**34**	**18**		

1. PRECONDITION. As a basis for mastering the course, you need the following knowledge, skills and abilities, which have been developed through the school curriculum:

Knowledge:

1. Life and living organisms, their physical-chemical structure, function, development, evolution.
2. Chemical elements, cations, anions, basic groups of inorganic-organic substances, their structure, properties and functions.
3. Acid-base balance. The role of biological processes resulting from its disruption in tissues and cells.
4. Cellular, tissue, organ, organ systems structural levels of the whole organism. A systematic approach that will allow us to understand the integrity of individual structural and functional units of the organism and integration into each of the studied levels of organization of living organisms.

Abilities:

1. Analyze biological phenomenas and regularities of natural processes.
2. Making up reactions of synthesis and dissolvation.
3. Explain the structure, content and functions of human organ systems

Possessions:

1. be able to work with phantoms, skeletons, animal preparations, work with biological literature,

lecture summaries, as well as work with the theoretical part of practical training.

2. BRIEF CONTENT OF THE COURSE

The course "Prevention of Dental Diseases" examines the main means of prevention of dental diseases, methods and means of oral hygiene, hygienic indexes, prevention of caries and periodontal diseases.

3. GOAL AND OBJECTIVES OF THE COURSE

3.1. The goal of the course:

The goal of the course is to teach future dentists the basics of prevention of dental diseases.

3.2. Course problems:

- Acquisition of knowledge on the prevention of dental diseases.
- Mastering the determination of hygienic indices.
- Mastering the rules of oral hygiene.

4. EDUCATIONAL FINAL RESULTS. At the end of the course, the student should

Know:

K1. The aim and problems of prevention of dental diseases

Be able to:

A1. examine oral cavity,

A2. detect pathological changes

A3. do simple preventive procedures

Possess:

P1. Diagnosis of dental diseases, methods of prevention

P2. Sanation of oral cavity, tooth cleaning, detection of level of dental deposits

P3. Examination methods in case of dental diseases

P4. Filling of medical cards

5. LITERATURE

1. Chair material
2. J. Murray, J. Nunn, J. Steele, The Prevention of Oral Disease, New York, 2003.
3. H. Limeback, Comprehensive Preventative Dentistry, New Jersey, 2013.
4. Диагностика, лечение и профилактика стом-их заболеваний, В. Яковлева, Е. Тромифома,1994
5. Основы стоматологической профилактики, А. И. Рыбаков.

6. ASSESSMENT COMPONENTS	POINT
Attendances	16
Assessment of knowledge acquisition, abilities and skills	70
Independent individual work	14

7. ASSESSMENT SYSTEM /RATING / SYSTEM

Mark	Assessment Point	Assessment letter
"Excellent"	96-100 90-95	A+ A
"Good"	80-89 70-79	B+ B
"Satisfactory"	60-69 51-59	C+ C
"Unsatisfactory"	50 and below	D
"Tested"	≥51	S
"Untested"	< 51	U

NAME OF THE COURSE	**PHYTOTHERAPY IN DENTISTRY**		
TYPE OF COURSE	Mandatory		
EDUCATIONAL LEVEL	CONTINUOUS AND INTEGRATED EDUCATIONAL PROGRAM		
THE FORM OF TRAINING	Full time		
PROFESSION	Dentist		
FACULTY	Dentistry		
COURSE	IV	SEMESTER	VIII
ACADEMIC YEAR	2020-2021		

CREATOR	PhD Roman Hovsepyan, Nelly Ghukasyan
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CHAIR	"Traditional medicine named after E. Minasyan"
CLINICAL BASE	SMTC
HEAD OF CHAIR	PhD Eleonora Minasyan

COURSE VOLUME

Year	Semester	Credit	Academic week	Weekly hour	Total hour	Total class. hour	Lecture hour	Pract. Lab. hour	Individual work hour	Lecturers' consultation	Examination	Test
IV	**VIII**	2	13	3	60	39	18	21	15	6		+
Total		**2**	**13**	**3**	**60**	**39**	**18**	**216**	**15**	**6**		

1. PRECONDITION. As a basis for mastering the course, you need the following knowledge, skills and abilities, which have been developed through the school curriculum:

Knowledge

- about plant taxonomy, ecology and geography,
- about the normal physiology of the human gastrointestinal and respiratory systems,
- about the characteristics and action mechanisms of some medicinal raw materials,
- about the spelling and pronunciation of the Latin names of pharmaceutical pesticides, the basic laws for writing prescriptions,
- about galen pesticides.

Abilities

- identify life forms and phenophases of plants,
- identify at least a few of the more common and well-known herbs.

Possessions

- the principles of working with herbariums and other types of plant collections, determinants, microscopes and biological literature,
- the names and descriptions of the most common herbs and diseases,

- Principles of prescribing.

2. BRIEF CONTENT OF THE COURSE

The "Phytotherapy" course examines the bioactive substances contained in medicinal plants, medicinal plants with a calming and pain-relieving effect on the nervous system, stimulating effects, medicinal plants acting in the region of nerve synapses, possessing anti-atherosclerotic effects, containing cardiac glycosides, affecting the respiratory system, the mechanisms of their pharmacological effects, indications. , contraindications, herbs with expectorant and broncholytic effects.

3. GOAL OF THE COURSE

The goal of the course is to teach future doctors the theoretical and scientific foundations of herbal medicine, which is the basis of folk (traditional) medicine, in order to combine and integrate it with modern medicine during further medical activities.

4. EDUCATIONAL FINAL RESULTS. At the end of the course, the student should

Know

K1 About the features, advantages and limitations of herbal medicine

K2 The history of the origin of herbal medicine and the main herbal systems,

K3 Basics of herbal pharmacology,

K4 Terminology of herbal medicine

K5 Possible interactions between the most commonly used herbs and synthetic drugs,

K6 Some herbs most used in dentistry, their main medical properties, forms of use and dosages.

Be able to

A1 Understand the names and descriptions of herbal medicines,

A2 Apply reference literature on phytotherapy,

A3 Prepare herbal remedies.

Possess

P1 The principles of traditional and modern herbal medicine

P2 Safety rules, options, means and dosages for the use of herbal medicines,

P3 Methods of treatment of dental problems with plants.

5. LITERATURE

1. Chair material.
2. Bone K., Mills S. 2013. Principles and Practice of Phytotherapy. Modern Herbal Medicine, 2nd ed., Edinburgh, London, New York, Oxford, Philadelphia, St Louis, Sydney, Toronto: Elsevier, 1051 p.
3. A. Torosyan, Herbs of Armenia, Yerevan, 1983.
4. L. Harutyunyan, Herbal Medicine, Yerevan, 1999.
5. D. Csupor, Phytotherapy, Szeged, 2015:
6. J. Barnes, L. Andersson, J. Phillipson, Herbal Medicines, London, 2007:
7. M. Henrich, J. Barnes, S. Gibbons, E. Williamson, Fundamentals of Pharmacognosy and
8. phytotherapy, London. 2012.
9. Weiss R.F., Fintelman F. Phytotherapy. Management. Translation from German. Moscow, "Medicine", 2004.
10. Lesiovskaya E.E., L.V. Pastushenkov Pharmacotherapy with the basics of herbal medicine. - Moscow, Publishing house "GEOTAR-MED", 2003.

11. Guidelines for pharmacotherapy for physicians and pharmacists. - Edited by Gabrielyan E.S. and Boroyan R.G., Yerevan, “Gtutyun” Publishing House of NAS RA, 2001.
12. Bisset N.G. Herbal drugs and phytopharmaceuticals. Boca Raton, FL, CRC Prress, 1994.
13. Blumenthal M., Busse W.R., Goldberg A. The Complete Commission E Monographs: Therapeutic Guide to Herbal Medicines. Boston, MA: Integrative Medicine Communications, 1998.

6. ASSESSMENT COMPONENTS	POINT
Attendances	16
Assessment of knowledge acquisition, abilities and skills	70
Independent individual work	14

7. ASSESSMENT SYSTEM /RATING / SYSTEM

Mark	Assessment Point	Assessment letter
"Excellent"	96-100	A+
	90-95	A
"Good"	80-89	B+
	70-79	B
"Satisfactory"	60-69	C+
	51-59	C
"Unsatisfactory"	50 and below	D
"Tested"	≥51	S
"Untested"	< 51	U

NAME OF THE COURSE	**ACUPUNCTURE IN DENTISTRY**		
TYPE OF COURSE	Mandatory		
EDUCATIONAL LEVEL	CONTINUOUS AND INTEGRATED EDUCATIONAL PROGRAM		
THE FORM OF TRAINING	Full time		
PROFESSION	Dentist		
FACULTY	Dentistry		
COURSE	V	SEMESTER	IX
ACADEMIC YEAR	2020-2021		

CREATOR	PhD Eleonora Minasyan PhD Narek Mkrtchyan Bagrat Khachatryan
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CHAIR	"Traditional medicine named after E. Minasyan"
CLINICAL BASE	SMTC
HEAD OF CHAIR	PhD Eleonora Minasyan

COURSE VOLUME

Year	Semester	Credit	Academic week	Weekly hour	Total hour	Total class. hour	Lecture hour	Pract. Lab. hour	Individual work hour	Lecturers' consultation	Examination	Test
V	**IX**	2	16	2	60	32	22	10	19	9		+
Total		**2**	**16**	**2**	**60**	**32**	**22**	**10**	**19**	**9**		

1. PRECONDITION. As a basis for mastering the course, you need the following knowledge, skills and abilities, which have been developed through the school curriculum:

Knowledge

1. Anatomical structure and topography of organs.
2. Physiological functions of internal organ-systems and their mutual connection with each other.
3. Knowledge about the mechanisms of pathology development.
4. The significance of operative surgery in acupuncture.
5. Therapeutic significance of medicine.
6. Herbs for pathological conditions.
7. Medicine as a philosophical science

Abilities

1. Visualize regional projections of internal organs.
2. Analyze the physiological states of the body's organ systems.
3. Differentiate clinical descriptions of pathology.

4. Differentiate the topography of anatomical structures (entities).
5. Make an adequate choice of medicine according to the pathology of the organ systems.
6. Make a selection of herbs for the pathological conditions of the given organ system.
7. Analysis of pathological conditions according to cause-effect relationship.

Possessions

1. Consider the organism as a whole.
2. To see the organism as a whole, from the point of view of physiology.
3. Pathophysiological descriptions of pathological conditions.
4. General basics of phytotherapy.
5. Philosophical outlooks and philosophical categories.

2. BRIEF CONTENT OF THE COURSE

"Acupuncture in dentistry" is a philosophical science that has its own worldviews, functions (about the meridian system, internal organs, energy, blood and fluids and vital points). It studies the physiological foundations of the human body, pathomechanisms of disease development, diagnostic methods (examination, inquiry, listening, palpation, instrumental research).

3. GOAL OF THE COURSE

The goal of the "Acupuncture in dentistry" course is to teach future doctors the theoretical and practical foundations of traditional Eastern medicine, diagnosis and treatment methods, to master needle-burning therapy in the complex of disease treatment, integrating it with modern medicine.

4. EDUCATIONAL FINAL RESULTS. At the end of the course, the student should

Know:

K1. Philosophical teachings of traditional Eastern medicine: In-yan, U-sin, Tszin-lo, Jan-fu, Shu-syue, energy, blood and fluids

K2. the etiology and pathogenesis of the development of pathological conditions,

K3. physiological basis and principles of reflexology,

K4. general characteristics of meridians, topography, way, main points and their therapeutic indications,

K5. needle-burning therapy in the complex of treatment of dental diseases.

Be able to

A1. apply ways and methods of diagnosis and treatment accepted in the medicine of the Ancient East.

A2. To use educational, scientific, popular literature and the Internet for professional activities.

Possess:

P1. 4 methods of diagnosis (examination, inquiry, listening and palpation)

P2. Point choice according to traditional medicine and reflexotherapy,

P3. Acupuncture methods to affect vital points and zones on different parts of the body.

P4. Method of bloodletting

P5. acupressure method according to traditional and modern Eastern medicine,

P6. method of auriculotherapy

5. LITERATURE

1. Chair material
2. Giovanni Maciocia - 'The Foundations of Chinese Medicine'. Third edition. Third edition 2015
3. Atlas of Acupuncture - C. Focks (Churchill Livingstone, 2008) BBS.
4. Acupuncture (Essentials of Chin ese Acupuncture), 1980.
5. E.M. Minasyan, V.S. Mkrtchyan, N.S. Mkrtchyan, "Diagnosis of the body's energy information system using the resonance method with an east-west integral approach /study manual/",

Yerevan, 2019.
6. Tabeeva D.M. "Guide to acupuncture" Moscow 1980.
7. Macheret E. L., Samosyuk I.Z. "Guide to reflexology" Kiev 1982.
8. Belousov P.V. "Theoretical foundations of Chinese medicine" Almaty 2010.
9. Machocha Dzh. "Basics of Chinese Medicine" Moscow 2013.
10. Machocha Dzh. "Psychiatry in Chinese Medicine" Moscow 2013.
11. Zhu-Lyan "Guide to modern Zhen-tsyu therapy" Moscow 1959.
12. Luvsan G. "Traditional and modern methods of eastern reflex therapy" Moscow 1986.
13. Samosyuk I.Z., Lysenyuk V.P. "Acupuncture. Encyclopedia" Kiev, Moscow 1990.
14. Georges Soulier de Moran - Chinese acupuncture in 5 volumes, Moscow 2005.
15. Complete Idiots Guide to Acupuncture and Acupressure, David Solars,2000.
16. Klaus K. Schnorrenberger - Special techniques of acupuncture and acupuncture, 2007.
17. Rolik I.S._Spravočnik representative points of electroacupuncture in Follyu, 1997.

6. ASSESSMENT COMPONENTS	POINT
Attendances	16
Assessment of knowledge acquisition, abilities and skills	70
Independent individual work	14

7. ASSESSMENT SYSTEM /RATING / SYSTEM

Mark	Assessment Point	Assessment letter
"Excellent"	96-100 90-95	A+ A
"Good"	80-89 70-79	B+ B
"Satisfactory"	60-69 51-59	C+ C
"Unsatisfactory"	50 and below	D
"Tested"	≥51	S
"Untested"	< 51	U

NAME OF THE COURSE	**SCIENCE OF DENTAL MATERIALS**		
TYPE OF COURSE	Mandatory		
EDUCATIONAL LEVEL	CONTINUOUS AND INTEGRATED EDUCATIONAL PROGRAM		
THE FORM OF TRAINING	Full time		
PROFESSION	Dentist		
FACULTY	Dentistry		
COURSE	II	SEMESTER	III
ACADEMIC YEAR	2020-2021		

CREATOR	PhD Hovnan Hakobyan, Vera Karapetyan
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CHAIR	Dentistry
CLINICAL BASE	SMTC
HEAD OF CHAIR	PhD H.Hakobyan

COURSE VOLUME

Year	Semester	Credit	Academic week	Weekly hour	Total hour	Total class. hour	Lecture hour	Pract. Lab. hour	Individual work hour	Lecturer's consultation	Examination	Test
Science of dental materials												
II	**III**	2	17	2	60	34	14	20	17	9		+
Total		**2**	**17**	**2**	**60**	**34**	**14**	**20**	**17**	**9**		

1. PRECONDITION. As a basis for mastering the course, you need the following knowledge, skills and abilities, which have been developed through the school curriculum:

Knowledge:

1. Chemical elements, cations, anions, basic groups of inorganic and organic substances, their structure, properties and functions
2. Physical laws, physical properties of inorganic and organic substances and functions.

Abilities:

1. Work with laboratory equipment

Possessions:

1. Work with mixtures
2. Observance of safety rules during the work with chemical substances and mixtures
3. Use of personal protective equipment and clothing

2. BRIEF CONTENT OF THE COURSE

"Science of dental materials". The course examines the types of dental materials, their field of use, their requirements

3.GOAL AND OBJECTIVES OF THE COURSE

3.1. The goal of the course

The goal of the course is to teach students the basic ժ auxiliary materials used in dentistry.

3.2. Course objective

- Mastering the rules of the work with dental materials
- Knowledge of the requirements for dental materials and the fields of their application

4. EDUCATIONAL FINAL RESULTS. At the end of the course the student should:

Know

K1. basic and auxiliary materials used in dentistry, rules for their use

Be able to

A1. make cast models

A2. take an impression

A3. do wax modeling

Possess

P1. rules for the use of impression materials

P2. impression taking techniques

5. LITERATURE

1. Chair material
2. Science of dental materials, Dr. A.Zulumyan, YSMU Prosthodontics Department

6. ASSESSMENT COMPONENTS	POINT
Attendances	16
Assessment of knowledge acquisition, abilities and skills	70
Independent individual work	14

7. ASSESSMENT SYSTEM /RATING / SYSTEM

Mark	Assessment Point	Assessment Letter
"Excellent"	96-100 90-95	A+ A
"Good"	80-89 70-79	B+ B
"Satisfactory"	60-69 51-59	C+ C
"Unsatisfactory"	50 and below	D
"Tested"	≥51	S
"Untested"	< 51	U

NAME OF THE COURSE	**PROPEDEUTICS OF THERAPEUTIC DENTISTRY**		
TYPE OF COURSE	Mandatory		
EDUCATIONAL LEVEL	CONTINUOUS AND INTEGRATED EDUCATIONAL PROGRAM		
THE FORM OF TRAINING	Full time		
PROFESSION	Dentist		
FACULTY	Dentistry		
COURSE	II	SEMESTER	III, IV
ACADEMIC YEAR	2020-2021		

CREATOR	PhD Narine Brsikyan Arev Zeynalyan
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CHAIR	Dentistry
CLINICAL BASE	SMTC
HEAD OF CHAIR	PhD H. Hakobyan

COURSE VOLUME

Year	Semester	Credit	Academic week	Weekly hour	Total hour	Total class. hour	Lecture hour	Pract. Lab. hour	Individual work hour	Lecturers' consultation	Examination	Test
II	**III**	4	17	4	120	68	20	48	34	18		+
	IV	2	15	2	60	30	16	14	12	12	6	
Total		**6**	**32**	**6**	**180**	**98**	**36**	**62**	**46**	**30**	6	

1. PRECONDITION. As a basis for mastering the course, you need the following knowledge, skills and abilities, which have been developed through the school curriculum:

Knowledge:

1. Life and living organisms, their physical-chemical structure, function, development: evolution.
2. Chemical elements, cations, anions, basic groups of inorganic-organic substances, their structure, properties and functions.
3. Tissue acid-base balance, its role in metabolism, synthesis and dissolvation. Normal acid-base balance. The role of biological processes resulting from its disruption in tissues and cells.
4. Cellular, tissue, organ, organ system structural levels of the whole organism. A systematic approach that will allow us to understand the integrity of individual structural and functional units of the organism, integration into each of the studied levels of organization of living organisms.

Abilities:

1. Analyze biological phenomenas and regularities of natural processes.
2. Making up reactions of synthesis and dissolvation.

3. Explain the structure, content and functions of human organ systems

Possessions:

1. be able to work with phantoms, skeletons, animal preparations, work with biological literature, lecture summaries, as well as work with the theoretical part of practical training.

2. BRIEF CONTENT OF THE COURSE

The course of “Propedeutics of Therapeutic Dentistry" examines the departments of dentistry, their problems and goals, equipment of the dental office, classification of tools, disinfection methods, examination methods in therapeutic dentistry, the structure of the oral cavity, morphology and histology of oral cavity, saliva and its role, dental formulas, filling materials.

3. GOAL OF THE COURSE

The course of “Propedeutics of Therapeutic Dentistry" examines the departments of dentistry, their problems and goals, equipment of the dental office, classification of tools, disinfection methods, examination methods in therapeutic dentistry, the structure of the oral cavity, morphology and histology of oral cavity, saliva and its role, dental formulas, filling materials.

4. EDUCATIONAL FINAL RESULTS. At the end of the course the student should:

Know:

K 1. Organization and furnishing of the dental office.

K 2. Dental therapeutic tools (diagnostic, endodontic).

K 3. The main and additional methods of patient examination.

K 4. Subjective and objective examinations of dental diseases.

K 5. Carious diseases, signs and symptoms, diagnosis.

Be able to:

A1. Prepare medical documents, do preliminary examination of the patient, collect anamnesis, formulate of dental formula, complete of medical card

A 2 . Examine and detect defects in the mouth.

A 3 . In case of hard tissue pathologies, pretreat and polish the tooth.

A4 . Prepare filling materials for cavity sealing.

Possess:

P 1. The technique of mixing sealants.

P 2. Methods of remineralizing therapy in case of incipient lesions.

5. LITERATURE

1. Chair material
2. Հարությունյան Ա., Թերապևտիկ ստոմատոլոգիայի պրոպեդևտիկա, Երևան 2009
3. Վ. Տատինցյան, Թերապևտիկ ստոմատոլոգիա, Երևան, 1997;
4. ADA/PDR Guide to Dental Therapeutics, 4th Edition, Toronto, 2006;
5. Е. Боровский, «Терапевтическая стоматология», 2009

6. ASSESSMENT COMPONENTS	POINT
Attendances	16
Assessment of knowledge acquisition, abilities and skills	70
Independent individual work	14

7. ASSESSMENT SYSTEM /RATING / SYSTEM

Mark	Assessment Point	Assessment letter
"Excellent"	96-100	A+
	90-95	A

"Good"	80-89 70-79	B+ B
"Satisfactory"	60-69 51-59	C+ C
"Unsatisfactory"	50 and below	D
"Tested"	≥51	S
"Untested"	< 51	U

NAME OF THE COURSE	**THERAPEUTIC DENTISTRY**		
TYPE OF COURSE	Mandatory		
EDUCATIONAL LEVEL	CONTINUOUS AND INTEGRATED EDUCATIONAL PROGRAM		
THE FORM OF TRAINING	Full time		
PROFESSION	Dentist		
FACULTY	Dentistry		
COURSE	III -V	SEMESTER	V-X
ACADEMIC YEAR	2020-2021		

CREATOR	PhD Lusine Galstyan, PhD Narine Brsikyan, Gohar Manashyan
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CHAIR	Dentistry
CLINICAL BASE	SMTC, My City Dentist dental and cosmetic center
HEAD OF CHAIR	PhD H.Hakobyan

COURSE VOLUME

Year	Semester	Credit	Academic week	Weekly hour	Total hour	Total class. hour	Lecture hour	Pract. Lab. hour	Individual work hour	Lecturer's consultation	Examination	Test
III	**V**	3	17	3	90	51	12	39	25	14		+
	VI	3	15	4	90	60	12	48	12	12	6	
IV	**VII**	4	17	4	120	68	16	52	40	12		+
IV	**VIII**	4	13	5	120	65	22	43	37	12	6	
V	**IX**	4	16	6	120	96	22	74	18	6		**+**
V	**X**	6	17	6	180	102	22	80	51	27	S.E.	
Total		**24**	**95**	**28**	**720**	**442**	**106**	**336**	**183**	**83**	12	

1. PRECONDITION. As a basis for mastering the course, you need the following knowledge, skills and abilities, which have been developed through the school curriculum:

Knowledge

1. life and living organisms, their physical and chemical structure, function, development and evolution.
2. chemical elements, cations and anions, basic groups of inorganic and organic substances, their structure, properties and functions.
3. Acid-base balance, its role in metabolism, synthesis and degradation. Normal acid-base balance and the role of biological processes caused by its disturbance in tissues and cells.
4. cellular, tissue, organ, organ system and whole organism structural levels of living organisms. A systematic approach that will allow to understand the integrity and integration of individual structural and functional units of the organism at each studied level of the organization of living

organisms.

5. Mastering the rules of furnishing the dental cabinet, safe work of the dentist.
6. Mastering the rules of using and disinfecting therapeutic dental tools.
7. Mastering the anatomy of the oral cavity, teeth, and embryology.
8. Mastering the rules of filling materials used in dentistry.
9. Basic and additional methods of examination of oral cavity, teeth

Abilities

1. analyze biological phenomena and patterns of natural processes.
2. composition of synthesis and decomposition reactions.
3. to explain the structure, composition and functions of human organ-systems

Possessions

1. be able to work with phantoms, skeletons and animal preparations, work with biological literature, lecture transcripts, as well as work with the theoretical part of practical training.

2. BRIEF CONTENT OF THE COURSE

The "Therapeutic Dentistry" course includes the following sections:

- **"Cariesology"** course examines the therapeutic principle of aesthetic restoration of teeth in cases of damage to the hard tissues of the teeth, errors and complications arising during the treatment, and their prevention.
- **"Endodontics"** course studies the prevalence, pathogenesis, etiology, clinic, modern diagnosis, selection of correct treatment methods, prevention of pulp and periodontal diseases.
- **The "Periodontology"** course studies the prevalence, pathogenesis, etiology, clinic, modern diagnosis, selection of correct treatment methods, prevention of periodontal diseases.
- The course **"Diseases of the oral mucosa"** examines the classification, etiology, etiology, clinic, modern diagnosis, and the choice of the correct treatment methods of the diseases of the oral cavity.

3. GOAL AND OBJECTIVES OF THE COURSE

3.1. The goal of the course

To prepare medical dentists who will be able, using modern methods of medical science and practice, to provide ambulatory dental care in the case of major dental diseases, depending on the individual and age-related anatomo-physiological characteristics of the organism.

3.2. Course objectives

- Mastering the methods of diagnosis of various dental diseases,
- Mastering indications and contraindications for the therapeutic treatment of various dental diseases,
- Formulation of practical skills of therapeutic treatment in ambulatory polyclinic conditions for various dental diseases,
- Detection, elimination and prevention of complications in the treatment of various dental diseases.

4. EDUCATIONAL FINAL RESULTS. At the end of the course, the student should

Know

K1. Normal development of the dental system.

K2.Etiology, pathogenesis, classification of lesions of the hard, soft and peri-dental tissues of the teeth, mucous membrane of the oral cavity.

K3.Methods of examination, diagnosis, prevention and therapeutic treatment of lesions of the hard, soft and peri-dental tissues of the teeth, oral mucosa.

K4.Causes of complications arising during the therapeutic treatment of dental caries and non-carious diseases and methods of their prevention.

K5.Mistakes made during the therapeutic treatment of dental caries and non-carious diseases and their prevention and elimination methods.

K6.The use of filling materials in the therapeutic treatment of dental caries and non-carious diseases.

Be able to

A1. Conduct examination of patients with lesions of the hard, soft and peri-dental tissues of the teeth, mucous membrane of the oral cavity.

A2.Apply additional research methods.

A3. Make a diagnosis.

A4. Plan the treatment of dental caries and non-carious diseases.

A5. Find, eliminate and prevent complications arising during the therapeutic treatment of dental caries and non-carious diseases.

A6.Carry out invasive and non-invasive treatment of dental caries, which allow to preserve the caries and restore the anatomical form and function of the tooth.

A7.Carry out invasive and non-invasive treatment of non-carious dental lesions.

Possess

P1.Methods of examination of patients with lesions of the teeth, oral mucosa.

P2 Treatment of incipient caries lesion by method of remineralization

P3. Methods of treatment of dental caries and pulpitis.

P4.Methods of treatment of non-carious lesions of teeth.

P5.Vital and devital methods of teeth whitening.

P6. Method of atraumatic treatment of carious cavities.

5. LITERATURE

1. Chair material
2. Լ. Կ. Եսայան, Ատամի կարծր հյուսվածքների կառուցվածքը: Ատամի կարիես, 2010
3. Լ. Եսայան, Ջ. Մկրտչյան, Ա. Ավետիսյան, Լ. Շամիրամյան, Թերապևտիկ Ստոմատոլոգիա, Ուսումնական ձեռնարկ, Երևան, 2017
4. Վ. Տատինցյան, Թերապևտիկ ստոմատոլոգիա, Երևան, 1997թ.
5. Textbook of Endodontology, Second Edition,Edited by Gunnar Bergenholtz, Preben Hørsted-Bindslev,Claes Reit,United Kingdom,2007
6. The Guidebook to Molar Endodontics, Ove A. Peters,San Francisco, California, USA, 2017
7. F. S. Weine, Endodontic Therapy, 6th Edition, Mosby, 2004.
8. Color Atlas of Endodontics,William T. Johnson, DDS, MS, 2002

6. ASSESSMENT COMPONENTS	POINT
Attendances	16

Assessment of knowledge acquisition, abilities and skills	70
Independent individual work	14

7. ASSESSMENT SYSTEM /RATING / SYSTEM		
Mark	Assessment Point	Assessment letter
"Excellent"	96-100 90-95	A+ A
"Good"	80-89 70-79	B+ B
"Satisfactory"	60-69 51-59	C+ C
"Unsatisfactory"	50 and below	D
"Tested"	≥51	S
"Untested"	< 51	U

NAME OF THE COURSE	**PROPAEDEUTICS OF SURGICAL DENTISTRY**		
TYPE OF COURSE	Mandatory		
EDUCATIONAL LEVEL	CONTINUOUS AND INTEGRATED EDUCATIONAL PROGRAM		
THE FORM OF TRAINING	Full time		
PROFESSION	Dentist		
FACULTY	Dentistry		
COURSE	II	Semester	IV
ACADEMIC YEAR	2020-2021		

CREATOR	Gayane Grigoryan Adam Perj
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CHAIR	Dentistry
CLINICAL BASE	SMTC
HEAD OF CHAIR	PhD H.Hakobyan

COURSE VOLUME

Year	Semester	Credit	Academic week	Weekly hour	Total hour	Total class. hour	Lecture hour	Pract. Lab. hour	Individual work hour	Lecturer's consultation	Examination	Test
II	**IV**	2	15	2	60	30	14	16	18	12		+
Total		2	15	2	60	30	14	16	18	12		

1. PRECONDITION. As a basis for mastering the course, you need the following knowledge, skills and abilities, which have been developed through the school curriculum:

Knowledge

1. structural levels of living organisms, cellular, tissue, organs, organ systems and whole organism.
2. Development of maxillofacial region, bone structure, head and neck muscles, innervation, vascularization.
3. Normal physiological processes, their role. Structural and functional features of different organ systems and their relationship with the maxillofacial region.

Abilities

1. Explanation of the structure, composition and functions of human organ systems
2. Palpatory marking of the topographical contours of the organs of the maxillofacial region, bone orientations.
3. Analysis of the histophysiological condition of human cells, tissues, organ structures.

Possessions

1. be able to work with models, skeleton phantoms, work with biological literature, lecture transcripts, as well as work with the theoretical part of practical class.
2. Mastery of principles of medical ethics and deontology.
3. Conducting discussions, public speaking, logical thinking skills.

2. BRIEF CONTENT OF THE COURSE

The propaedeutics of surgical dentistry studies the anatomy of the maxillofacial region, the organization of the surgical dental service, methods of examining patients, filling out documents and surgical instruments.

3. GOAL AND OBJECTIVES OF THE COURSE

3.1. The goal of the course

The goal of the course is to teach students the rules of asepsis, antiseptics, ways of examining patients and familiarizing them with surgical instruments.

3.2. Course objectives

- Mastering methods of examination of surgical patients,
- Completion documents,
- knowledge of ways to use tools.

4. EDUCATIONAL FINAL RESULTS. At the end of the course, the student should

Know

K1. anatomy of the maxillofacial region,
K2. basics of aseptic and antiseptic,
K3. methods of examining patients,
K4. rules for filling out documents.

Be able to

A1. carry out patient examinations,
A2. complete the relevant documents
A3. use surgical instruments.

Possess

P1. methods of disinfection,
P2. ways of using surgical instruments,
P3. the technique of placing sutures.

5. LITERATURE

1. Chair material
2. N. Malik, Textbook of Oral and Maxillofacial Surgery, London, 2012.

6. ASSESSMENT COMPONENTS	POINT
Attendances	16
Assessment of knowledge acquisition, abilities and skills	70
Independent individual work	14

7. ASSESSMENT SYSTEM /RATING / SYSTEM

Mark	Assessment Point	Assessment letter
"Excellent"	96-100 90-95	A+ A
"Good"	80-89 70-79	B+ B
"Satisfactory"	60-69 51-59	C+ C
"Unsatisfactory"	50 and below	D
"Tested"	≥51	S
"Untested"	< 51	U

NAME OF THE COURSE	**SURGICAL DENTISTRY**		
TYPE OF COURSE	Mandatory		
EDUCATIONAL LEVEL	CONTINUOUS AND INTEGRATED EDUCATIONAL PROGRAM		
THE FORM OF TRAINING	Full time		
PROFESSION	Dentist		
FACULTY	Dentistry		
COURSE	III -V	SEMESTER	V-X
ACADEMIC YEAR	2020-2021		

CREATOR	Gayane Grigoryan Adam Perj
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CHAIR	Dentistry
CLINICAL BASE	SMTC, My City Dentist dental and cosmetic center
HEAD OF CHAIR	PhD H.Hakobyan

COURSE VOLUME

Year	Semester	Credit	Academic week	Weekly hour	Total hour	Total class. hour	Lecture hour	Pract. Lab. hour	Individual work hour	Lecturer's consultation	Examination	Test
Local anesthesia and Anesthesiology in Dentistry												
III	**V**	3	17	3	90	51	12	39	25	14		+
Surgery of the oral cavity												
III	**VI**	3	15	4	90	60	14	46	12	12	6	
IV	**VII**	4	17	4	120	68	16	52	38	14		+
	VIII	3	13	4	90	52	18	34	20	12	6	
V	**IX**	4	16	4	120	64	18	46	38	12	6	
Implantology and oral reconstructive surgery												
V	**IX**	2	16	2	60	32	12	20	19	9	+	
	X	3	17	3	90	51	16	35	30	9	S.E.	
Total		**22**	**111**	**24**	**660**	**378**	**106**	**272**	**182**	**82**	**18**	

1. PRECONDITION. As a basis for mastering the course, you need the following knowledge, skills and abilities, which have been developed through the school curriculum:

Knowledge

1. cellular, tissue, organ, organ system and whole organism structural levels of living organisms.
2. Development of the maxillofacial region, bone structure, head and neck muscles, innervation, vascularization.
3. Normal physiological processes, their role. Structural and functional features of different organ systems and their relationship with the maxillofacial region.
4. Pathological processes and tissue changes caused by them, principles of occurrence
5. Peculiarities of management of surgical patients.
6. Symptoms, etiology, subjective and objective examinations, clinical and paraclinical methods of diagnosis of dental surgical diseases.
7. The justifications and principles of confirming the diagnosis of surgical disease

Abilities

1. explaining the structure, composition and functions of human organ systems
2. Analysis of the histophysiological state of human cells, tissues, organ structures.
3. Identification of the main symptoms and syndromes of diseases
4. Palpatory marking of the topographic contours of the organs of the maxillofacial region, bone orientations.
5. Mastery of local nationalization and tooth extraction techniques
6. Examination of a surgical patient, preliminary diagnosis, completion of outpatient card.

Possessions

1. able to work with models, skeleton phantoms, work with biological literature, lecture transcripts, as well as work with the theoretical part of practical training.
2. Mastery of principles of medical ethics and deontology.
3. Conducting discussions, public speaking, logical thinking skills.

2. BRIEF CONTENT OF THE COURSE

The subject "Surgical dentistry" includes the following sections:

- **Local anesthesia.** The course examines anesthetic agents, methods of local anesthesia, their implementation methodology.
- **Oral cavity surgery.** The course examines the etiology, pathogenesis, clinic, and treatment of surgical diseases of the oral cavity.
- **Implantology and oral reconstructive surgery.** The course examines the basics of implantology, reconstructive and plastic surgery techniques.

3. GOAL AND OBJECTIVES OF THE COURSE

3.1. The goal of the course

Prepare medical dentists who will be able to provide ambulatory surgical dental care.

3.2. Course objectives

- Mastering the methods of local pain relief,
- Mastering the techniques of tooth extraction indications, contraindications,
- Mastering methods of diagnosis and treatment of surgical diseases,
- Detection, elimination, prevention of complications of surgical diseases.

4. EDUCATIONAL FINAL RESULTS. At the end of the course, the student should

Know

K1. methods of local anesthesia, tooth extraction techniques,

K2. etiology, pathogenesis, clinic, methods of treatment of surgical diseases,

K3. etiology, pathogenesis, clinic, methods of treatment of surgical diseases,

K4. the basics of implantology.

Be able to

A1. perform local anesthesia, tooth extraction

A2. perform examination of surgical dental patients, diagnosis, treatment planning, prevention and elimination of complications

A3. performing plastic and reconstructive surgeries.

Possess

P1. all methods of local anesthesia

P2. tooth extraction techniques

P3. methods of diagnosis and treatment of surgical diseases.

5. LITERATURE

1. Chair material.
2. Խ. Բադալյան, Յ. Պողոսյան, Վիրաբուժական ստոմատոլոգիա, Երևան, 1996;
3. Վիրաբուժական ստոմատոլոգիա և դիմածնոտային վիրաբուժություն, խմբ. պրոֆ. Գ. հակոբյան, Երևան, 2018
4. Վիրաբուժական ստոմատոլոգիայի պրոպեդևտիկա, խմբ. Է. Ավետիսյանի, 2011
5. G. Byrne, Fundamentals of Implant Dentistry, Dublin, 2014;
6. N. Malik, Textbook of Oral and Maxillofacial Surgery, London, 2012;
7. Sturdevant' s Art and Science of Operative Dentistry, Elsevier, 2013.
8. Գ. Հակոբյան Ստոմատոլոգիական իմպլանտոլոգիա, Երևան, 2001:

6. ASSESSMENT COMPONENTS	POINT
Attendances	16
Assessment of knowledge acquisition, abilities and skills	70
Independent individual work	14

7. ASSESSMENT SYSTEM /RATING / SYSTEM

Mark	Assessment Point	Assessment letter
"Excellent"	96-100 90-95	A+ A
"Good"	80-89 70-79	B+ B
"Satisfactory"	60-69 51-59	C+ C
"Unsatisfactory"	50 and below	D
"Tested"	≥51	S
"Untested"	< 51	U

NAME OF THE COURSE	**MAXILLOFACIAL SURGERY**		
TYPE OF COURSE	Mandatory		
EDUCATIONAL LEVEL	CONTINUOUS AND INTEGRATED EDUCATIONAL PROGRAM		
THE FORM OF TRAINING	Full time		
PROFESSION	Dentist		
FACULTY	Dentistry		
COURSE	V	Semester	IX, X
ACADEMIC YEAR	2020-2021		

CREATOR	Gayane Grigoryan Gayane Ghambaryan
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CHAIR	Dentistry
CLINICAL BASE	My City Dentist dental and cosmetic center
HEAD OF CHAIR	PhD H.Hakobyan

COURSE VOLUME

Year	Semester	Credit	Academic week	Weekly hour	Total hour	Total class. hour	Lecture hour	Pract. Lab. hour	Individual work hour	Lecturer's consultation	Examination	Test
V	IX	2	16	3	60	48	12	36	8	4		+
	X	3	17	3	90	51	12	39	30	9		+
Total		**5**	**33**	**6**	**150**	**99**	**24**	**75**	**38**	**13**		

1. PRECONDITION. As a basis for mastering the course, you need the following knowledge, skills and abilities, which have been developed through the school curriculum:

Knowledge

1. about human organs, organ-systems and anatomical features of the organism.
2. about disorders of the normal structure of human organs and tissues in a diseased state.
3. the anatomical-physiological, sex-age and individual characteristics of the structure and development of a healthy and sick organism.
4. Connections of organs and tissues in separate topographical regions, which gives an opportunity to understand the ways of the emergence, development and spread of pathological processes.
5. About the general principles of surgeries, operative approaches and methods.
6. Basic principles of diagnosis, treatment and anesthesia in surgery.
7. The most important features of medicinal treatment

Abilities

1. Revealing the tissues of the maxillofacial area
2. determine and evaluate the results of electrocardiography, spirometry and thermometry, hematological indicators.
3. to perform surgical suturing and ligation, to use surgical instruments correctly, to perform tissue separation and connection, at the same time to stop bleeding.
4. Perform physical examinations of a living person such as palpation, percussion, auscultation.
5. Apply the rules of aseptic and antiseptic
6. Stop bleeding, with temporary and final methods
7. Determine blood group affiliation with standard sera and standard erythrocytes
8. Perform blood conservation and preservation
9. Provide limb immobilization
10. Use some methods of local anesthesia
11. Apply types of bandages

Possessions

1. Aseptic bandages of soft tissue wounds, burns, frostbite, open fractures.
2. Collecting the patient's anamnesis
3. For intervention in the development of the surgical field

2. BRIEF CONTENT OF THE COURSE

The "Maxillofacial Surgery" course examines the diagnosis of surgical diseases and injuries of the maxillofacial region, differential diagnosis, principles of treatment, mistakes and complications arising during treatment, and their prevention.

3. GOAL OF THE COURSE

The goal of the "Maxillofacial Surgery" course is to teach the etiology, pathogenesis, clinic, diagnosis and treatment of maxillofacial surgical diseases, to provide knowledge about performing specialized maxillofacial interventions in inpatient conditions.

4. EDUCATIONAL FINAL RESULTS. At the end of the course, the student should

Know

K1. Etiology, pathogenesis, types, classifications of surgical diseases of the maxillofacial area.

K2. Clinic of surgical diseases of the maxillofacial region

K3. Features of diagnosis of surgical diseases of the maxillofacial region.

K4. The most complete methods of treatment of surgical diseases of the maxillofacial area, types of plastic and reconstructive operations.

K5. Possible complications of surgical diseases of the maxillofacial region, their prevention and treatment.

Be able to

A1. To draw up the plan of laboratory and instrumental studies of surgical diseases of the maxillofacial area

A2. Collect anamnesis data, carry out general clinical examination of patients.

Possess

P1. Formulate the patient's clinical diagnosis and justify it on the basis of differential diagnosis

P2. Formulate instructions for conservative and surgical treatment of surgical patients.

P3. Carry out the basic medical manipulations.

5. LITERATURE

1. Chair material
2. Bernadsky Yu. I., “Fundamentals of maxillofacial surgery and surgical dentistry”, Vitebsk, 1998
3. Belousov A. E., “Plastic, reconstructive and aesthetic surgery”, Moscow, 1998
4. G. Byrne, Fundamentals of Implant Dentistry, Dublin, 2014;
5. N. Malik, Textbook of Oral and Maxillofacial Surgery, London, 2012

6. ASSESSMENT COMPONENTS	POINT
Attendances	16
Assessment of knowledge acquisition, abilities and skills	70
Independent individual work	14

7. ASSESSMENT SYSTEM /RATING / SYSTEM

Mark	Assessment Point	Assessment letter
"Excellent"	96-100	A+
	90-95	A
"Good"	80-89	B+
	70-79	B
"Satisfactory"	60-69	C+
	51-59	C
"Unsatisfactory"	50 and below	D
"Tested"	≥51	S
"Untested"	< 51	U

NAME OF THE COURSE	**PROPAEDEUTICS OF ORTHOPEDIC DENTISTRY**		
TYPE OF COURSE	Mandatory		
EDUCATIONAL LEVEL	CONTINUOUS AND INTEGRATED EDUCATIONAL PROGRAM		
THE FORM OF TRAINING	Full time		
PROFESSION	Dentist		
FACULTY	Dentistry		
COURSE	II	SEMESTER	IV
ACADEMIC YEAR	2020-2021		

CREATOR	PhD, professor Vahagn Kirakosyan, Vera Karapetyan, Davit Davtyan
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CHAIR	Dentistry
CLINICAL BASE	SMTC
HEAD OF CHAIR	PhD H.Hakobyan

COURSE VOLUME

Year	Semester	Credit	Academic week	Weekly hour	Total hour	Total class. hour	Lecture hour	Pract. Lab. hour	Individual work hour	Lecturer's consultation	Examination	Test
Propaedeutics of orthopedic dentistry												
II	**IV**	2	15	2	60	30	14	16	18	12		+
Total		**2**	**15**	**2**	**60**	**30**	**14**	**16**	**18**	**12**		

1.PRECONDITION. As a basis for mastering the course, you need the following knowledge, skills and abilities, which have been developed through the school curriculum:

Knowledge:

- anatomical features of human organs, systems and organism, anatomy of maxillofacial complex
- anatomical-physiological, sexual, age-related and individual characteristics of the structure and development of a healthy organism, physiological characteristics of maxillofacial complex
- histological features of maxillofacial complex
- life and living organisms, their physical and chemical structure, function, development and evolution.
- chemical elements, cations and anions, basic groups of inorganic and organic substances, their structure, properties and function
- physical laws, physical properties of organic and inorganic substances.
- actions aimed at the prevention of main dental diseases.

2. BRIEF CONTENT OF THE COURSE

Propaedeutics of orthopedic dentistry studies types and features of impression trays, cast models and bites, structure and biomechanics of temporomandibular joint.

3. GOAL AND OBJECTIVES OF THE COURSE

3.1. The goal of the course

The goal of the course is to teach dentists in the process of preparing for the profession the peculiarities of the organization of orthopedic dental service, instruments used in orthopedic

dentistry, material science, the organization of works for the casting process and casting procedure.

3.2. Course objective

- Study the types and characteristics of impression trays, cast models and bites
- Know the structure and biomechanics of temporomandibular joint.

4. EDUCATIONAL FINAL RESULTS. At the end of the course the student should:

Know

K1. examination methods of orthopedic dental diseases

K2. types of bites

K3. types of prostheses, types of models

K4. structure and biomechanics of temporomandibular joint

K5. instuments and tools used in orthopedic dentistry

Be able to

A1. collect medical history

Possession

P1. make study casts

5. LITERATURE

1. Chair material
2. Atlas of Human Anatomy,
3. Peter E. Dawson, Functional Occlusion, Canada, 2006,
4. Shillingburg, Herbert T., Jr.; Sather, David A., Fundamentals of Fixed Prosthodontics, Fourth Edition, Cicago, 2012,

6. ASSESSMENT COMPONENTS	POINT
Attendances	16
Assessment of knowledge acquisition, abilities and skills	70
Independent individual work	14

7. ASSESSMENT SYSTEM /RATING / SYSTEM

Mark	Assessment Point	Assessment's letter mark
"Excellent"	96-100	A+
	90-95	A
"Good"	80-89	B+
	70-79	B
"Satisfactory"	60-69	C+
	51-59	C
"Unsatisfactory"	50 and below	D
"Tested"	≥51	S
"Untested"	< 51	U

NAME OF THE COURSE	**ORTHOPAEDIC DENTISTRY**		
TYPE OF COURSE	Mandatory		
EDUCATIONAL LEVEL	CONTINUOUS AND INTEGRATED EDUCATIONAL PROGRAM		
THE FORM OF TRAINING	Full time		
PROFESSION	Dentist		
FACULTY	Dentistry		
COURSE	III -V	SEMESTER	V-X
ACADEMIC YEAR	2020-2021		

CREATOR	PhD Prof. Vahagn Kirakosyan, Vera Karapetyan, Davit Davtyan
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CHAIR	Dentistry
CLINICAL BASE	SMTC, My City Dentist dental and cosmetic center
HEAD OF CHAIR	PhD H.Hakobyan

COURSE VOLUME

Year	Semester	Credit	Academic week	Weekly hour	Total hour	Total class. hour	Lecture hour	Pract. Lab. hour	Individual work hour	Lecturer's consultation	Examination	Test
III	**V**	2	17	2	60	34	8	26	17	9		+
	VI	3	15	3	90	45	12	33	33	12		+
IV	**VII**	4	17	4	120	68	10	58	38	14		+
	VIII	4	13	4	120	52	10	42	50	12	6	
V	**IX**	4	16	4	120	64	12	52	38	12	6	
	X	3	17	4	90	68	12	56	16	6	S.E.	
Total		**20**	**95**	**21**	**600**	**331**	**64**	**267**	**192**	**65**	**12**	

1. PRECONDITION. As a basis for mastering the course, you need the following knowledge, skills and abilities, which have been developed through the school curriculum:

Knowledge

1. Anatomical features of human organs, organ-systems and organism, anatomy of maxillofacial system.
2. anatomical-physiological, sex-age and individual characteristics of the structure and development of a healthy organism, physiological characteristics of the maxillofacial system.
3. physiological and pathological histological features of the maxillofacial system.
4. life and living organisms, their physical and chemical structure, function, development and evolution.
5. chemical elements, cations and anions, basic groups of inorganic and organic substances, their structure, properties and functions.

6. Physical laws, physical properties of organic and inorganic substances.

Abilities

1. Carry out prevention of basic dental diseases.
2. Examine patients with orthopaedic dental diseases
3. Obtaining an impression, making models
4. Identify types of bites.

Possessions

1. Perform an analysis of radiological studies,

2. BRIEF CONTENT OF THE COURSE

"Orthopaedic Stomatology" course includes the following sections:

- **"Simple arrangement of teeth"** The course examines the clinical laboratory stages of inlays, onlays, inlays, artificial crowns and braces, as well as the types of teeth grinding, fixed bridging, clinical laboratory stages.
- **"Arrangement during complete edentulousness of the jaw"** The course examines the classification of completely edentulous jaws, the clinical laboratory stages of aligning completely edentulous jaws with five treatment visits.
- **Complex arrangement of teeth"** The course examines the clinical laboratory stages of denture preparation over five clinical visits. Classification, clinic, diagnosis, differential diagnosis, orthopedic treatment of TMJ diseases. Classification and classification of defects of the maxillofacial region.

3. GOAL AND OBJECTIVES OF THE COURSE

3.1. The goal of the course

The goal of the course is to train students with the basic and auxiliary materials used in dentistry. To teach the clinical laboratory stages of preparation of inlays, onlays, artificial crowns, braces, bridges, fully removable,braces, types of tooth grinding.

3.2. Course objectives

- assimilation of clinical laboratory stages of inlays, overlays,
- assimilation of clinical laboratory stages and types, features of artificial crowns, pinlays
- knowledge of the principles of teeth grinding,
- assimilation of clinical laboratory stages of bridges,
- assimilation of the clinical laboratory stages of the preparation of fully removable dentures

4. EDUCATIONAL FINAL RESULTS. At the end of the course, the student must

Know

K1. Diagnosis of orthopaedic stomatological diseases

K2. Orthopaedic restoration of hard tissues of teeth

K3 The basics of prosthetics in partial and complete adentia.

K4 Orthopaedic treatment of temporomandibular joint (TMJ) diseases

K5 Orthopaedic treatment of maxillofacial injuries

K6 Orthopaedic treatment of dental irregularities.

K7. Peculiarities of orthopaedic treatment during dental implantation.

Be able to

A1 Collect the history of the disease, make the diagnosis and make the appropriate treatment plan.

Possess

P1 Methods of obtaining stamps and patterns

P2 Methods of preparation of inlays, artificial crowns, pinlays.

P3 Methods of making fixed bridging

P4 The preparation methods of fully movable dentures.

P5 The preparation methods of partially movable dentures.

5. LITERATURE

1. Chair material
2. Օրթոպեդիկ ստոմատոլոգիա, ԵՊԲՀ Օրթոպեդիկ ստոմատոլոգիայի ամբիոն, 2018
3. Աբրահամյան Հ. Ա., «Արհեստական լրիվ ատամնաշար հինգ բուժայցով»: Օրթոպեդիկ ստոմատոլոգիայի դասախոսությունների շարք, Երևան, 2002,
4. Աբրահամյան Հ. Ա., «Արհեստական մասնակի ատամնաշար հինգ բուժայցով»: Օրթոպեդիկ ստոմատոլոգիայի դասախոսությունների շարք, Երևան, 2006,
5. Կիրակոսյան Վ. Պ., «ՔՄԾՀ հիվանդությունները, դիմածնոտային օրթոպեդիա, կոտրվածքներ, բնածին և ձեռքբերովի արատներ, ստոմատոլոգիական պրոթեզավորումը բանակում», Երևան 1996,
6. Atlas of Human Anatomy,
7. Peter E. Dawson, Functional Occlusion, Canada, 2006,
8. Shillingburg, Herbert T., Jr.; Sather, David A., Fundamentals of Fixed Prosthodontics, Fourth Edition, Cicago, 2012.

6. ASSESSMENT COMPONENTS	POINT
Attendances	16
Assessment of knowledge acquisition, abilities and skills	70
Independent individual work	14

7. ASSESSMENT SYSTEM /RATING / SYSTEM

Mark	Assessment Point	Assessment letter
"Excellent"	96-100 90-95	A+ A
"Good"	80-89 70-79	B+ B
"Satisfactory"	60-69 51-59	C+ C
"Unsatisfactory"	50 and below	D
"Tested"	≥51	S
"Untested"	< 51	U

NAME OF THE COURSE	**PEDIATRIC THERAPEUTIC DENTISTRY**		
TYPE OF COURSE	Mandatory		
EDUCATIONAL LEVEL	CONTINUOUS AND INTEGRATED EDUCATIONAL PROGRAM		
THE FORM OF TRAINING	Full time		
PROFESSION	Dentist		
FACULTY	Dentistry		
COURSE	IV, V	Semester	VIII, IX, X
ACADEMIC YEAR	2020-2021		

CREATOR	PhD Lusine Galstyan Gohar Manashyan
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CHAIR	Dentistry
CLINICAL BASE	SMTC, "MY CITY DENTIST" DENTAL AND COSMETOLOGY CENTER
HEAD OF CHAIR	PhD. H. Hakobyan

COURSE VOLUME

Year	Semester	Credit	Academic week	Weekly hour	Total hours	Total class. hour	Lectures hour	Pract. Lab. hous	Individual work hour	Lecturers' consultation	Examination	Test
Pediatric therapeutic dentistry												
IV	**VIII**	2	13	2	60	26	8	18	25	9		+
V	**IX**	2	16	2	60	32	8	24	19	9		+
	X	2	17	2	60	34	8	26	17	9	S	
Total		**6**	**46**	**6**	**180**	**92**	**24**	**68**	**61**	**27**		

1. PRECONDITION. As a basis for mastering the course, you need the following knowledge, skills and abilities, which have been developed through the school curriculum:

Knowledge:

1. About the health of children and adults, health care methods, doctor-nurse relationship.
2. The main directions of psychology, psychological features of children and adolescents
3. The composition of the main classes of biologically active compounds and their biochemical properties. Metabolism of children and adolescents.
4. Etiology, pathogenesis, clinical picture, treatment, prevention of the most common diseases in children.
5. Basics of using medical equipment.
6. Anatomical-physiological features of the structure and development of the child's organism.
7. Basics of biology activity and development of the human body.

Abilities:

1. Analyze and assess the social situation of the country, protect the civil rights of doctors and people of different age groups.
2. Work with laboratory equipment.
3. Proving the description of the pathological process.
4. X-ray examination analysis.
5. Palpatory marking of topographic contours of internal organs, bone orientations.
6. Analysis of the histophysiological state of human cells, tissues, organs.

Possessions:

1. Principles of medical ethics and deontology.
2. Holding discussions, public speaking, developing logical thinking skills.
3. Providing medical care to children in life-threatening situations.
1. Reading X-rays.

2. BRIEF CONTENT OF THE COURSE

The course of "Pediatric Therapeutic Dentistry" examines the main dental diseases, depending on the individual anatomical-physiological features of the child's body.

3. GOAL AND OBJECTIVES OF THE COURSE

To train dentists who will be able, using modern methods of medical science and practice, to provide outpatient dental care for major therapeutic diseases, depending on the individual anatomical-physiological characteristics of the child's body.

4. EDUCATIONAL FINAL RESULTS. At the end of the course, the student should

Know

K1. Principles necessary for control of the pediatric population,

K2. Preventive measures in case of mass infection of children (dental caries, periodontal diseases),

K3. Peculiarities of therapeutic-surgical diseases in childhood

K4. Dental scheduled sanation in pediatric groups and in case of individual applications.

Be able to

A1. Collect medical history of dental patients

A2. Do physical examination of patients

A3. Analyze examination results

A4. Make up a treatment plan

Possess

P1. Diagnosis, treatment, prevention methods of pediatric therapeutic and surgical dental diseases.

P2. Sanation of oral cavity, methods of tooth cleaning, detection of level of dental deposits

P3. Examination in case of dental diseases, filling of medical card.

5. LITERATURE

1. Chair material
2. PAEDIATRIC DENTISTRY, Richard Welbury, Monty Duggal, 3rd Ed., Glasgow (2005)
3. Handbook of Clinical Techniques in Pediatric Dentistry,Jane A. Soxman, RN, DDS, 2015
4. Pediatric Dentistry , A clinical approach, Second edition, Editors Göran Koch, Sven Poulsen, 2009
5. Диспансеризация детей у стоматолога , Т. Ф. Виноградова, 1978

6. ASSESSMENT COMPONENTS	POINT
Attendances	16
Assessment of knowledge acquisition, abilities and skills	70
Independent individual work	14

7. ASSESSMENT SYSTEM /RATING / SYSTEM

Mark	Assessment Point	Assessment letter
"Excellent"	96-100 90-95	A+ A
"Good"	80-89 70-79	B+ B
"Satisfactory"	60-69 51-59	C+ C
"Unsatisfactory"	50 and below	D
"Tested"	≥51	S
"Untested"	< 51	U

NAME OF THE COURSE	**PEDIATRIC SURGICAL DENTISTRY**		
TYPE OF COURSE	Mandatory		
EDUCATIONAL LEVEL	CONTINUOUS AND INTEGRATED EDUCATIONAL PROGRAM		
THE FORM OF TRAINING	Full time		
PROFESSION	Dentist		
FACULTY	Dentistry		
COURSE	V	Semester	IX, X
ACADEMIC YEAR	2020-2021		

CREATOR	Gayane Grigoryan
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CHAIR	Dentistry
CLINICAL BASE	SMTC, My City Dentist dental and cosmetic center
HEAD OF CHAIR	PhD H. Hakobyan

COURSE VOLUME

Year	Semester	Credit	Academic week	Weekly hour	Total hour	Total class. hour	Lecture hour	Pract. Lab. hour	Individual work hour	Lecturers' consultation	Examination	Test
V	IX	2	16	2	60	32	8	24	19	9		+
	X	2	17	2	60	34	12	22	17	9	S.E.	
Total		**4**	**33**	**4**	**120**	**66**	**20**	**46**	**36**	**18**		

1. PRECONDITION. As a basis for mastering the course, you need the following knowledge, skills and abilities, which have been developed through the school curriculum:

Knowledge:

1. About the health of children and adults, health care methods, doctor-nurse relationship.
2. The main directions of psychology, psychological features of children and adolescents
3. The composition of the main classes of biologically active compounds and their biochemical properties. Metabolism of children and adolescents.
4. Etiology, pathogenesis, clinical picture, treatment, prevention of the most common diseases in children.
5. Basics of using medical equipment.
6. Anatomical-physiological features of the structure and development of the child's organism.
7. Basics of biology activity and development of the human body.

Abilities:

1. Analyze and assess the social situation of the country, protect the civil rights of doctors and people of different age groups.
2. Work with laboratory equipment.
3. Proving the description of the pathological process.
4. X-ray examination analysis.

5. Palpatory marking of topographic contours of internal organs, bone orientations.
6. Analysis of the histophysiological state of human cells, tissues, organs.

Possessions:

1. Principles of medical ethics and deontology.
2. Holding discussions, public speaking, developing logical thinking skills.
3. Providing medical care to children in life-threatening situations.
4. Reading X-rays.

2. BRIEF CONTENT OF THE COURSE

The course "Pediatric Surgical Dentistry" examines the main dental diseases depending on the individual and age-anatomical-physiological features of the child's body.

3. GOAL OF THE COURSE

To train dentists who will be able, using modern methods of medical science and practice, to provide outpatient dental care for major surgical diseases, depending on the individual-age-anatomical-physiological features of the child's body.

4. EDUCATIONAL FINAL RESULTS. At the end of the course the student should:

Know:

K1. Principles necessary for control of the pediatric population,

K2. Preventive measures in case of mass infection of children

K3. Peculiarities of surgical diseases in childhood

Be able to:

A1. Collect medical history of dental patients

A2. Do physical examination of patients

A3. Analyze examination results, make up a treatment plan

Possess:

P1. Diagnosis, treatment, prevention methods of pediatric surgical dental diseases.

P2. Sanation of oral cavity

P3. Examination methods in case of surgical dental diseases

P4. Filling of medical card

5. LITERATURE

1. Chair material
2. Ա. Ավագյան, Կ. Քոչարյան, ՙՄանկական վիրաբուժական ստոմատոլոգիա՝ /դասախոսական ժողովածու/, Երևան, 2017թ.
3. PAEDIATRIC DENTISTRY, Richard Welbury, Monty Duggal, 3rd Ed., Glasgow (2005)
4. Pediatric Dentistry , A clinical approach, Second edition, Editors Göran Koch, Sven Poulsen, 2009
5. Диспансеризация детей у стоматолога, Т. Ф. Виноградова 1978:

6. ASSESSMENT COMPONENTS	POINT
Attendances	16
Assessment of knowledge acquisition, abilities and skills	70
Independent individual work	14

7. ASSESSMENT SYSTEM /RATING / SYSTEM

Mark	Assessment Point	Assessment letter
"Excellent"	96-100 90-95	A+ A
"Good"	80-89 70-79	B+ B

"Satisfactory"	60-69 51-59	C+ C
"Unsatisfactory"	50 and below	D
"Tested"	≥51	S
"Untested"	< 51	U

NAME OF THE COURSE	**ORTHODONTICS AND PEDIATRIC DENTISTRY**		
TYPE OF COURSE	Mandatory		
EDUCATIONAL LEVEL	CONTINUOUS AND INTEGRATED EDUCATIONAL PROGRAM		
THE FORM OF TRAINING	Full time		
PROFESSION	Dentist		
FACULTY	Dentistry		
COURSE	IV, V	SEMESTER	VIII, IX
ACADEMIC YEAR	2020-2021		

CREATOR	Haykush Aleksanyan, Armine Danielyan
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CHAIR	Dentistry
CLINICAL BASE	SMTC, My City Dentist dental and cosmetic center
HEAD OF CHAIR	PhD H. Hakobyan

COURSE VOLUME

Year	Semester	Credit	Academic week	Weekly hour	Total hour	Total class. hour	Lecture hour	Pract. Lab. hour	Individual work hour	Lecturers' consultation	Examination	Test
IV	**VIII**	2	13	2	60	26	12	14	25	9		+
V	**IX**	3	16	3	90	48	12	36	24	12	6	
Total		**5**	**29**	**5**	**150**	**74**	**24**	**50**	**49**	**21**	**6**	

1. PRECONDITION. As a basis for mastering the course, you need the following knowledge, skills and abilities, which have been developed through the school curriculum:

Knowledge

1. Anatomical features of human organs, organ-systems and organism, anatomy of maxillofacial system.
2. Morpho-physiological, agegender and individual features of healthy organism's structure, physiological features of maxillofacial system.
3. Hystological features of the maxillofacial system.
4. Life and living organisms, their physical and chemical structure, function, development and evolution.
5. Chemical elements, cathions and anions, main groups of non-organic and organic substances, their structure, properties and functions.
6. Physical laws, physical properties of organic and non-organic susbstances.
7. Actions directed at prevention of malocclusions and TMD.

Abilities

1. Work with laboratory equipment.
2. Substantiation of pathological process definition.
3. X-ray investigation analysis.

4. Differential diagnosis of maxillofacial abnormalities.

Possessions

1. Foundation of medical ethics and deontology.
2. Conducting of discussions, public speech, skills of logical thinking.
3. Impression taking, cast preparation.
4. X-ray readings.

2. BRIEF CONTENT OF THE COURSE

The course "Orthodontics And Pediatric Dentistry" studies the basic principles of orthodontics, the ways of multidisciplinary dental treatment.

3. GOAL OF THE COURSE

The goal of the course is to teach the classification, prevention, diagnosis, treatment, features of pediatric prosthetics and application technology of maxillofacial anomalies in the process of professional preparation.

4. EDUCATIONAL FINAL RESULTS. At the end of the course, the student should

Know

K1. Orthodontic dental disorders examination methods

K2. Occlusion types

K3. Growth and development of maxillofacial region, its function

K4. Structure and biomechanincs of TMJ

K5. Appliances and instruments used in orthodontics

Be able to

A1. Collect anamnesis morbi

A2. Diagnosis and treatment of malocclusions

Possess

P1. X-ray examination analysis

P2. Cast models biometric and patient's photometric analysis.

5. LITERATURE

1. Chair material
2. Bahreman_Aliakbar, Early_age_orthodontic_treatment China
3. Samir Bishara , Bishara Text book of Orthodontics USA
4. William R. Proffit, Henry W. Fields, Contemporary Orthodontics, 5 ed. Canada
5. R. Nanda,S. Kapila,Current Therapy in Orthodontics China
6. Nutzel F., Christian S., Practical Guide to Orthodontic Diagnosis Moscow
7. Eliakim Mizrahi, Orthodontic_Pearls UK
8. Xubair Graber, Orthodontics_Current_Principles_and_Techniques/ 5 ed.
9. Golovko N.V., Orthodontic appliances Poltava
10. Persin L. S., Orthodontics Moscow
11. eleven. . A. Ponomareva, Mechanism of development and ways to eliminate dentoalveolar deformities 1964
12. A. Shcherbakov, Bite anomalies in adults 1987
13. Ya. Khoroshilkina, Diagnostics and functional ... 1987
14. M. Bushana, Handbook of Orthodontics 1990
15. F. Khoroshilkika, Orthodontic dentistry 1989
16. A. Rybakova, Handbook of Dentistry 1993
17. N.A. Rabukhin, A.P. Arzhantsev, X-ray diagnostics in dentistry 1999.

6. ASSESSMENT COMPONENTS	POINT
Attendances	16
Assessment of knowledge acquisition, abilities and skills	70
Independent individual work	14

7. ASSESSMENT SYSTEM /RATING / SYSTEM		
Mark	Assessment Point	Assessment letter
"Excellent"	96-100 90-95	A+ A
"Good"	80-89 70-79	B+ B
"Satisfactory"	60-69 51-59	C+ C
"Unsatisfactory"	50 and below	D
"Tested"	≥51	S
"Untested"	< 51	U

NAME OF THE COURSE	**GENETICALLY DETERMINED DISEASES**		
TYPE OF COURSE	Mandatory		
EDUCATIONAL LEVEL	CONTINUOUS AND INTEGRATED EDUCATIONAL PROGRAM		
THE FORM OF TRAINING	Full time		
PROFESSION	Dentist		
FACULTY	Dentistry		
COURSE	V	Semester	X
ACADEMIC YEAR	2020-2021		

CREATOR	Christine Hovhannesyan
PHONE	+374 94 02 68 58
E-MAIL	kristgen@yahoo.com

CHAIR	Dentistry
CLINICAL BASE	-
HEAD OF CHAIR	PhD H. Hakobyan

COURSE VOLUME

Year	Semester	Credit	Academic week	Weekly hour	Total hour	Total class. hour	Lecture hour	Pract. Lab. hour	Individual work hour	Lecturers' consultation	Examination	Test
V	**X**	2	17	2	60	34	14	20	17	9		+
Total		**2**	**17**	**2**	**60**	**34**	**14**	**20**	**17**	**9**		

1. PRECONDITION. As a basis for mastering the course, you need the following knowledge, skills and abilities, which have been developed through the school curriculum:

Knowledge

- about disorders of the normal structure of human organs and tissues in a diseased state,
- about the structure, development and vital activity of the tissues of the human body, as well as the levels of the structure, development and vital activity of the tissues of an individual organism,
- the anatomical-physiological, sex-age and individual characteristics of the structure and development of a healthy and sick organism, the functional systems of the human organism, their regulation and self-regulation when interacting with the external environment, in normal and pathological conditions.
- life and living organisms, their physical and chemical structure, function, development and evolution.
- chemical elements, cations and anions, basic groups of inorganic and organic substances, their structure, properties and functions.
- cellular, tissue, organ, organ systems and structural levels of the whole organism. A systematic approach that will allow to understand the integrity and integration of individual structural and functional units of the organism at each studied level of the organization of living organisms. Human ontogenesis. Peculiarities of oogenesis and spermatogenesis in human. Phylogeny of organ systems in chordates.

- Knowledge of Latin terminology.
- Mechanisms, structural and functional features of the immune system.
- Pathogenesis, clinic, features of diagnosis and treatment of therapeutic stomatological diseases.

2. BRIEF CONTENT OF THE COURSE

The "Genetically determined diseases" course examines the theoretical foundations of hereditary pathology and genetic methods of examining patients.

3. GOAL OF THE COURSE

The goal of the course is to teach future dentists the basics of the occurrence of hereditary lesions, etiology, pathogenesis, diagnosis, differential diagnosis, principles of treatment, prevention.

4. EDUCATIONAL FINAL RESULTS. At the end of the course, the student should

Know:

K1.history, development and achievements of medical genetics.

K2.genealogical mechanism of genetic diseases, features of diagnosis and treatment.

Be able to:

A1. analyze research results,

A2. apply the acquired knowledge in the diagnosis and prevention of some genetic dental diseases.

5. LITERATURE

1. Chair Material
2. М.Миллер – “Медицинская генетика”, Ленинград, 1990г.
3. Л. Кохани – “Генетика”, Киев, 1992г.
4. В.В.Куприянов, Г.В.Сеновичек – “Лицо человека”, Москва, 1988г.
5. Ս.Հ.Սիսակյան, Ա.Ա.Ենգիբարյան - «Ընդհանուր և բժշկական գենետիկայի դասընթաց», Երևան 1993թ.
6. B. Melegh, New Clinical Genetics, Banbury, 2015;
7. D. Pritchard, B. Korf, Medical Genetics at a Glance, Hoboken, 2013.

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