

MINISTRY OF EDUCATION AND SCIENCE OF KYRGYZ REPUBLIC
Osh State University
International Medical Faculty

Department of "Clinical disciplines 1"

STUDENT TRAINING PROGRAM
(Syllabus)

Specialty (direction)	General medicine	Course code	530001
The language of instruction	English	Discipline	"Nurse assistant".
Academic year	2025-2026	Number of credits	6 credits
Teacher	Musaeva Begaiym Abdilazizova Asema Ergesheva Aizirek	Semester	IV
E-Mail	begay.musaeva@gmail.com asabdilazizova@oshsu.kg	Schedule according to the OSH State University application Student"	https://myedu.oshsu.kg/
Consultations (time/aud)	IMF 2 (08:00-17:00/312)	Location (building/auditorium)	IMF 2. 312
Form of study (full-time/part-time/evening/distant)	Full-time	Course type: (basic/elective)	basic

Head of CD 1 department,
Candidate of Medical Sciences, Associate Professor

Esengeldi k.A.

Head of practice, IMF teacher

Abdiraimov I.

Candidate of Medical Sciences, Associate Professor

Bazieva A.

Osh, 2025

Course description: The course lasts 4 semesters and covers 180 hours of classes.

Purpose of the discipline

Training of a qualified specialist who is able to implement basic skills in the process of practical medical activity, has organizational and managerial, educational and research abilities, meets the requirements of the quality assurance system in the international educational process..

Prerequisites	Normal anatomy, biology, pathological anatomy, normal physiology, pathological physiology, pharmacology			
Post requisites	Internal diseases 2, 3, surgical diseases 1, 2, children's diseases 1, 2, obstetrics and gynecology, neurology, family medicine, clinical pharmacology and other clinical disciplines.			
learning outcomes				
In the course of mastering the discipline, the student will achieve the following:				
Code of the results of the general education curriculum and its formulation	Learning outcome of course and its code	Code and formulation of competencies		
LO 2 – Able to use modern communication technologies, including in a foreign language, for academic and professional interaction.	LOc- 1: able and ready to analyze the data of history, physical examination, the results of laboratory-instrumental examination, and fill out a medical card of an ambulatory and stationary patient	SPC-2 - able and ready to master the techniques of professional communication; build interpersonal relations, work in a group, constructively resolve conflict situations, tolerant of social, ethnic, religious and cultural differences;		
LO 3 – Able to determine and implement the priorities of their own activities and ways to improve them based on accepted moral and legal norms of society.	LOc- 2 able to analyze the regularity of functioning of individual organs and systems, use knowledge of anatomical and physiological features, and know how to implement fundamental knowledge in assessing morphofunctional and physiological states of the body for the early diagnosis and the identification of pathological processes.	SPC-1 - able and willing to implement ethical, deontological and bioethical principles in professional activity; PC-1 - able and willing to comply with the rules of medical ethics, laws and regulations on working with confidential information, maintain doctor's confidentiality;		
LO 5 – Able to assess morpho-functional, physiological conditions and pathological processes and apply methods of investigation of patients adults and children for professional tasks		PC-6 - able and ready to apply the methods of aseptic and antiseptics, use medical equipment, own equipment for care of patients;		
LO 6 - Able to apply basic knowledge in the field of preventive activities to solve		PC 10 - Able and willing to carry out preventive activities for the prevention of infectious, parasitic and non-communicable diseases		

professional tasks		
LO 10 - Has management skills in the health system, maintain accounting and reporting documentation, analyze statistical data.		PC-26 - able and ready to use the normative documentation adopted in health of KR, as well as used in international practical medicine; PC-27 - able and ready to use knowledge of the structure of health care organizations, the system of referral and diversion;

Thematic plan of the discipline " Nurse assistant".

№	The name of the sections of the discipline	hours
1	Preparatory stage of practical training: production meeting; familiarization with the healthcare institution and the department of practice, rules of conduct in the clinic, and safety briefing.	8
2	Disinfection and types of cleaning. Means and methods of disinfecting rooms and medical equipment.	8
3	Methods of preventing hospital-acquired infections during nursing care procedures.	4
4	Handwashing. Stages of handwashing. Structure and equipment of treatment rooms; principles of ensuring infection control in healthcare facilities. Familiarization with the documentation of the treatment room. Principles of organizing work in the treatment room: safety regulations, rules for skin and mucous membrane treatment in case of contact with blood or other biological fluids, rules for treating the skin after a nurse's injury with a sharp object.	4
5	Work in the department as an assistant to the ward nurse. Completion of medical documentation. Filling out the title page of the inpatient medical record. Maintaining documentation of the ward nurse (journals, summaries). Distribution of medications. Rules for storing and administering drugs, accounting for narcotic substances. Rules of therapeutic and protective regimen in hospital departments.	4
6	Thermometry. Maintaining a temperature chart. Work at the nursing station. Anthropometry. Handover and acceptance of duty and preparation of the ward nurse's workplace	4
7	Measurement of hemodynamic parameters. Measuring blood pressure, determining pulse, and recording the results.	4
8	Signs of emergency conditions: contents of emergency aid kits in the treatment room; rules of subcutaneous vein catheterization.	4
9	Rules for the use of disinfectants and compliance with safety measures; rules for disinfection of medical instruments and nurses' hands; disinfection and disposal of syringes, needles, and single-use systems. Contents of the emergency response kit. Rules for handling hazardous medical waste and items contaminated with biological fluids (collection, storage, transportation, and disposal).	4
10	Work in the central sterilization department. Preparation of materials for sterilization. Packing of sterilization drums (biks). Post-sterilization control. Sanitary maintenance of the sterilization room.	4
11	Algorithm for performing intravenous, intramuscular, subcutaneous, and intracutaneous injections.	4
12	List of necessary instruments and rules for performing pleural puncture.	4
13	Rules for applying electrodes when recording an ECG. Participation in providing emergency medical care, practical basics of first aid and basic cardiopulmonary resuscitation. Oxygen therapy.	4
14	Preparation of a patient for elective surgery: regimen (water and food intake) on the	4

	eve and on the day of surgery, cleansing enema, shaving of the surgical field.	
15	Organization of work in the departments of ultrasound diagnostics and radiological diagnostics. Preparation of the patient for X-ray, ultrasound, and endoscopic examinations. Performing enemas, insertion of a rectal gas tube.	4
16	Assisting in gastric lavage. Catheterization of the urinary bladder with a soft catheter.	4
17	Transportation of patients in emergency cases.	4
18	Collection of blood samples for laboratory testing and organization of their delivery to the laboratory. Collection of stool and urine samples for various tests and organization of their delivery to the laboratory. Completion of medical documentation.	14
	Total	90h

Plan of organization ISW

No	Topic	Task for ISW	Hours	Assessment tools	Marks	Reference&Link	Deadline
1.	Care of severely ill patients: oral, eye, ear, and skin care (prevention of bedsores)	Creative work	5	T		Main 1,2,3 https://youtu.be/HHYzFgJ7sjU?si=_nnzumrAqDeNyc5r https://youtu.be/9TdBLnSjACA?si=4po-CO2L2FLLdetG	1-week
2.	Feeding of severely ill patients / preparation of dietary portions. Dietary regimens and methods of patient nutrition in hospital. Types of enteral and parenteral nutrition	ppt	5	OS		Main 1,2,3 https://youtu.be/Kr-kMJjh8Y?si=HIRcTEKZ-bVwpikW https://youtu.be/hSYKmblVpaY?si=fKZ5Mb6yATMgQkmt	2-week
3.	Application of hot-water bottles and ice bags	essay	5	T		Main 1,2,3 https://youtu.be/yCzkks51CfQ?si=6lmzRqAJtV-qxz9o	3-week

4.	Measurement of daily urine output. Performing Zimnitsky and Nechiporenko urine tests	Referat	5	T		Main 1,2,3 https://youtu.be/04KS2ayu74Q?si=VbjzOhpoauj3urGf	4-week
5.	Pulse assessment and characteristics. Pulse points on the human body	Video presentation	5	OS		Main 1,2,3 https://youtu.be/rh2p3KkgGiM?si=b3SjJGODwxexbmVZ	5-week
6.	Fever and its types. Features of the first and second stages of fever	essay	5	T		Main 1,2,3 https://www.cochranelibrary.com/ https://pubmed.ncbi.nlm.nih.gov/ . https://youtu.be/rkkDtwItWDk?si=5-YNgV_SHmyitq8I	6-week
7.	Bedsores: clinical presentation, care, and prevention	PPT presentation	5	T		Main 1,2,3 https://youtu.be/0vlzCSrkJBw?si=LmVb5hD5h7UAHDPS	7-week
8.	Enemas: types, indications, and procedure technique	Video presentation	5	T		Main 1,2,3 https://youtu.be/TEuSV_7gWA8?si=t62bhgPiTbgMygLL	8-week
9.	Basic principles and rules of bandaging (desmurgy). Types of immobilizing bandages	Ppt presentation	5	OS		Main 1,2,3 https://youtu.be/Kirg2GuESSE?si=jEkpBHVTGJYP4vkg https://youtu.be/Zuuywz5snbl?si=FZC	9-week

						<u>kOnOdfJ2Z_2b</u> https://youtu.be/CUghJiDNMuk?si=EPIAWX0BSEkZ-hf2	
10.	Control of bleeding using a tourniquet and pressure bandage. Application technique and special considerations for the tourniquet	Essay	5	OS		Main 1,2,3 https://youtu.be/rtPQHDWg-6M?si=SKSyuONFZLxvutbo https://youtu.be/tbGdVqqeZCY?si=I3EM2z0jD6ZKjhe0	10-week
11.	Diagnosis of emergency conditions and methods of providing urgent medical care. Clinical signs of hypoglycemic and hyperglycemic coma	Video presentation	5	T		Main 1,2,3 https://youtu.be/Np09p30jSd?si=110pZIpB1CJyodEK	11-week
12.	Measures regarding sources of infection and transmission factors. Principles of organizing hospital departments for immunocompromised patients (with HIV infection, hepatitis B and C, cystic fibrosis, hematologic malignancies, or burns)	Referat	5	T		Main 1,2,3 https://youtu.be/fuJWnzq_ME?si=k4xSaSHi_JyfNHiu	12-week
13.	Nurse's actions in preparing a corpse for transfer to the morgue	Video presentation	5	T		Main 1,2,3 https://youtu.be/9SKDalgzwlo?si=rZ8Wucretkx6i8Jn	13-week
14.	Algorithm of nurse's actions	referat	5	T		Main 1,2,3 https://youtu.be/kiS	14-week

	when pediculosis is detected					bmiAGgwk?si=6uF evR_QRhEjJqSc	
15.	Pulse determination, characteristics, and pulse points on the human body	essay	5	T		Main 1,2,3 https://youtu.be/vqa_ja_LD1Kk?si=GytsVxeDit4xAley	15-week
16.	Basics of pre-sterilization cleaning and packing of sterilization boxes (biks)	PPT presentation	5	OS		Main 1,2,3 https://youtu.be/9SKDalgzwlo?si=rZ8Wucretkx6i8Jn	16-week
17.	Therapeutic and protective regimen in the hospital department: types	Referat	5	OS		Main 1,2,3 https://youtu.be/tbGdVqqeZCY?si=I3EM2z0jD6ZKjhe0	17-week
18.	Basics of patient transportation	Essay	5	OS		Main 1,2,3 https://youtu.be/rtPQHDWg_6M?si=SKSyuONFZLxvutbo	18-week
19.	Total	90 hour					

Card for accumulating points for the discipline "Nurse assistant".

	Performing practical skills (checking the practice diary)	The development of practical skills on models	Characteristics of a healthcare organization	Final control	Total
Points	the admission to the final certification				100

The assessment of students' knowledge of industrial practice on mastering practical skills of a doctor of CSM is carried out on the basis of the following criteria (see OSSU Bulletin No. 24 of 2021)

N ₂	Type of work	Maximum points
1	Performing practical skills of a nurse (based on checking the practice diaries)	
2	The development of practical skills on models	
3	Characteristic issued by the health organization	Admission to the final control

4	Land mark control	
5	Examination	100
	Total	100

Note: a student is allowed to take the exam if he / she has actually completed a work practice diary with a positive characteristic of the health care organization where he / she completed the work practice.

The exam is conducted in the form of computer or blanks testing, and the assessment is carried out on the following scale.

Table of scoring of discipline

Rating (points)	Grade based on letter system	The numeral equivalent evaluation	Traditional system assessment
95 – 100	A+	4,0	Excellent
90-94	A	3,5	
85 – 89	B+	3,0	Very good
80 – 84	B	2,5	
75-79	C+	2,0	Good
70-74	C	1,5	
65-69	D+	1,0	Satisfactorily
60-64	D	0,5	
30-59	FX	0,0	Unsatisfactorily
1-29	F	0,0	

Educational resources

electronic resources	https://ibooks.ohsu.kg/book/?lg=1 HYPERLINK https://ibooks.ohsu.kg/book/?lg=1 HYPERLINK https://ibooks.ohsu.kg/book/?lg=1&id_parent=376&id1=1834&id4=&lg=1 HYPERLINK https://ibooks.ohsu.kg/book/?lg=1&id_parent=376&id1=1834&id4=&http://eclibrary.com/ecghome.html https://pubmed.ncbi.nlm.nih.gov/ https://www.bloodline.net/imageatlas/
electronic textbooks	https://ibooks.ohsu.kg/book/?lg=1 HYPERLINK https://ibooks.ohsu.kg/book/?lg=1 HYPERLINK https://ibooks.ohsu.kg/book/?lg=1&id_parent=376&id1=1834&id4=&lg=1

	<p><u>HYPERLINK</u> <u>HYPERLINK</u> <u>HYPERLINK</u> <u>HYPERLINK</u></p>
Textbooks (library)	<p>1. Davidson's Principles and Practice of Medicine 24rd Edition 2022 2. Family Practice Guidelines (Third Edition) Jill C. Cash, MSN, APN, FNP-BC Cheryl A. Glass, MSN, WHNP, RN-BC, Copyright © 2021 Springer Publishing Company, LLC. <u>HYPERLINK</u> <u>https://drive.google.com/drive/folders/1tmE1FJYsLP</u> 3. Family Practice Guidelines, Fourth Edition Paperback – January 20, 2017 <u>https://drive.google.com/drive/folders/1tmE1FJYsLP-D_KvtaVvu5Q5ZOGARDlyt?usp=sharing</u></p>

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