

**Thematic plan of classes
in practice "Industrial practice (practice in obtaining professional skills
and professional experience in the positions of mid-level medical personnel
(assistant to a procedural nurse of a surgical profile))"
for students of 2024 year of admission
under the educational programme
31.05.01 General medicine,
specialisation General medicine
Specialist's,
form of study full-time
for the 2025-2026 academic year**

№	Thematic blocks	Hours (academic) ³
4 semester		
1.	Introduction to practice. ¹ Familiarization with the practice base, the responsible person for the practice from the Department of General Surgery of VolgSMU, the head nurses of the surgical departments of the healthcare facility. Conducting organizational activities; submission of medical record books to the practice coordinator, assignment to surgical departments of the healthcare facility, development of a practice schedule; receipt and formalization of individual tasks. Familiarization with safety protocols (introductory safety briefing, primary workplace safety briefing, fire safety briefing, and briefing on antiviral safety measures in the context of the spread of the novel coronavirus infection (COVID-19)). ²	3
	Creation of individual tasks.	6
2.	Organization of the procedural room in a surgical healthcare facility. Regulatory legal acts in the work of a procedural nurse. ¹ Sanitary and hygienic requirements for the procedural room of a healthcare facility. Equipment, inventory, and instruments of the procedural room. Work schedule. Organization of nursing in the procedural room. Federal Law "On the Fundamentals of Health Protection of Citizens in the Russian Federation" dated 21.11.2011 No. 323; SanPiN 2.1.3.2630-10 "Sanitary and Epidemiological Requirements for Organizations Engaged in Medical Activities"; SP 3.1.5.2826-10 "Prevention of HIV Infection"; SP 3.1.1.2341-08 "Prevention of Viral Hepatitis B"; SanPiN 2.1.7.2790-10 "Sanitary and Epidemiological Requirements for the Management of Medical Waste". ²	3
	Completing individual tasks	6
3.	Organization of the work of a procedural nurse. ¹ Job description of a procedural nurse. Qualification characteristics for the position "Procedural Nurse" (Order of the Ministry of Health and Social Development of the Russian Federation dated July 23, 2010 No. 541n "On the approval of the Unified Qualification Directory of Positions of Managers, Specialists and Employees, section 'Qualification Characteristics of Positions of Workers in Healthcare)'). Medical ethics and deontology. Principles of interpersonal communication within the professional interaction of medical staff with colleagues. Person-centered communication with patients. ²	3
	Completing individual tasks	6
4.	Organization of the work of a procedural nurse. ¹ Moral and professional qualities of a procedural nurse. Requirements for the appearance of procedural nurses. Hand hygiene of medical personnel. Nosocomial infections (NI). Healthcare-associated infections (HAI). The role of the procedural nurse in the prevention of NI and HAI. Personal safety of medical personnel. Cleaning of the procedure room. Types of cleaning. Disinfection of air and environmental surfaces, disinfection and disposal of medical waste. ²	3
	Completing individual tasks	6

5.	Organization of the work of a procedural nurse. ¹ The concept of pharmacology. Classification of medicines by toxicological groups: indifferent, potent, poisonous. Dosage of medicines: single, daily, and course doses. Routes of drug elimination from the body. Drug incompatibility. Rules for prescribing and storing medicines. Maintenance of current accounting documentation. Rules for the storage and use of poisonous and narcotic medicines subject to subject-quantitative accounting. Medicines requiring refrigeration. ²	3
	Completing individual tasks	6
6.	Parenteral drug administration. ¹ Routes of drug administration. Types of injections. Indications for intradermal, subcutaneous, intramuscular, and intravenous administrations. Safety rules when performing various types of injections. Technique for performing intradermal and subcutaneous injections. Features of drug administration in skin diseases and with a history of allergies. Drawing solution from an ampoule and a vial. ²	3
	Completing individual tasks	6
7.	Parenteral drug administration. ¹ Technique for performing intramuscular injections. Post-injection complications. Dilution of antibiotics. Disinfection and disposal of syringes and needles. Technique for performing intravenous injections. Post-injection complications (phlebitis, venous thromboses). Care of a peripheral intravenous catheter. Technique for performing intravenous drip infusions. Assembling a system for intravenous infusion. Ensuring the safety of infusion therapy. ²	3
	Completing individual tasks	6
8.	Parenteral drug administration. ¹ Features of performing subcutaneous and intramuscular injections for critically ill patients in the ward of a surgical department. Prevention of complications. The concept of asepsis and antisepsis. Features of performing intravenous injections for critically ill patients in the ward of a surgical department. Prevention of complications. ²	3
	Completing individual tasks	6
9.	Blood sampling for laboratory tests. ¹ Features of patient preparation for blood sampling for various laboratory tests. Technique for blood sampling for laboratory testing. Features of blood sampling from critically ill patients. Transportation of blood to the laboratory. The concept of hemotransfusions. Assistance of the procedural nurse to the doctor in determining blood group and Rh factor. Stages of the nursing process during transfusion of blood and blood substitutes. ²	3
	Completing individual tasks	6
10.	Medical documentation of the procedure room. ¹ Register of the procedure room's work; register of medical prescriptions; register for recording and monitoring the UV disinfection unit; register for general cleanings; register for recording intravenous blood sampling for biochemical analysis, HbsAg, RW, HIV infection, blood group, Rh factor, etc. Fundamentals of office work in the procedure room. ²	3
	Completing individual tasks	6
11.	First aid. Basic cardiopulmonary resuscitation. ¹ Providing first aid for urticaria, angioedema, anaphylactic shock. Requirements for equipping first aid kits with medical devices. The concept of resuscitation. Monitoring the patient's condition (measuring blood pressure, heart rate, respiratory rate, etc.) Basic cardiopulmonary resuscitation. Algorithm for performing cardiopulmonary resuscitation. ²	3
	Completing individual tasks	6
12.	The results of the practice. Presentation of accounting documentation on the practice. Intermediate certification.	3
	Placement of accounting documentation on practice in the electronic information and educational environment of VolgSMU.	6
Total		108

¹ – topic

² – essential content

³ – one thematic block includes several classes conducted in the form of practical training, the duration of one class is 45 minutes with a break between classes of at least 5 minutes, the duration of one thematic block is 1 day

Considered at the department meeting of General Surgery,
protocol of «02» June's 2025 г., № 14.

Head of the Department



S.I. Panin