



SYLLABUS

Practical Training Programme

Specialty 560001 — General Medicine (5-year programme)

Type of Practice: HOSPITAL PHYSICIAN ASSISTANT

1. Course Information

Form of study	Full-time
Profiles	Internal Medicine, Pediatrics, Surgery, Obstetrics & Gynecology
Year / Semester	Year 4 / Semester 7
Total workload	3 credits (90 academic hours)
Duration	3 weeks, 6 hours/day, 5-day week
Type of assessment	Pass/Fail with rating score
Practice base	Clinical hospitals of Bishkek



2. Brief Description

During this placement the student works as a hospital physician's assistant. The practice is supervised by RMU teaching assistants and is an integral part of the professional training of a future physician (including international students).

3. Aim of the Practice

To consolidate and deepen the theoretical preparation and practical skills of students, to acquire the ability to use medical equipment and instruments, and to gain experience of independent professional activity in the hospital setting.

4. Learning Objectives

- Consolidate knowledge of the work of a hospital physician in therapy and pediatrics.
- Organise the work of medical personnel, define functional duties and the optimal algorithm for their performance.
- Apply measures of occupational safety, prevention of occupational diseases and ecological safety.
- Reinforce medical ethics and deontology.
- Take part in anti-epidemic and sanitary-educational work with the population.
- Reinforce clinical examination skills in therapy and pediatrics, diagnostic methods, syndromic analysis.
- Draft and interpret an examination plan for the patient.
- Maintain hospital medical documentation in accordance with the medico-economic standards of the Mandatory Medical Insurance Fund.
- Familiarise with the procedure for prescribing potent, narcotic and high-cost drugs; the work of physiotherapy, pathology and other clinical departments.

5. Competencies Formed

PC-1	Able to follow medical ethics, legislation on confidential information and to keep medical secrecy.
PC-5	Able to conduct and interpret interview, physical examination, clinical examination, results of laboratory and instrumental tests, and to write a medical record of an outpatient or inpatient (adult or child).
PC-14	Able to make a diagnosis on the basis of biochemical and clinical findings.

6. Content of the Practice — Internal Medicine (selected topics, ~6 h each)

- Organisation of clinical institutions; arterial hypertension syndrome.
- Chronic heart failure syndrome; acute and chronic coronary insufficiency.



- Inflammatory disease of the myocardium, endocardium and pericardium.
- Rhythm and conduction disorders.
- Anemia syndrome; pulmonary consolidation syndrome.
- Bronchial obstruction; hyper-airiness of lung tissue.
- Respiratory failure; cor pulmonale.
- Disorders of glucose tolerance; hyper- and hypothyroidism syndromes.

7. Content of the Practice — Pediatrics (selected topics, ~6 h each)

- Features of history-taking and physical examination in pediatrics.
- Pneumonia and bronchopneumonia in children; pleural disease.
- Congenital heart defects; congenital malformations.
- Musculoskeletal disease: chest deformities, hip dysplasia.
- Rickets; birth trauma.
- Urinary tract infections; AKI; CKD.
- Autoimmune diseases in children: SLE, systemic scleroderma.

8. The Student Must Know (Internal Medicine)

- Legal norms regulating the doctor–nurse–patient relationship.
- Clinical manifestations, examination and treatment of common internal-medicine diseases.
- Indications for functional and instrumental diagnostic methods.
- Indications and methodology of sternal puncture, pleural puncture, Holter monitoring, VEM, spirometry, peak-flow.
- ECG technique.

9. The Student Must Be Able To (under supervision)

- Collect complaints and history; perform physical examination of a therapeutic patient.
- Maintain a complete inpatient medical record.
- Record and interpret an ECG; interpret spirometry.
- In pediatrics: curate patients, fill in case histories, take part in evening duty and the management of severe patients.
- Examine newborns, perform percussion, palpation, auscultation, skin examination.
- Assess condition by auscultation, X-ray and ultrasound.
- Perform first toilet of the newborn; venipuncture independently.

10. Participation in the Following Manipulations

- Intravenous infusions; venipuncture; venous catheterisation.
- IV, IM, SC injections; preparation and administration of IV drips.
- Blood group and Rh determination.



- Chest X-ray, abdominal ultrasound, ECG, VEM, spirometry.
- Maintenance of medical documentation.

11. Practice Diary and Reporting

The student keeps a daily practice diary signed by the supervisor and a Journal of Practical Skills. In addition to clinical work the student participates in sanitary-educational and preventive activities of the department, production meetings and clinical conferences. On the last day a final report is prepared and the attending physician writes a character reference.

12. Assessment

Final control — differentiated pass/fail examination by commission at the Simulation Centre immediately after the cycle. The student presents the practice diary with character reference.