

Annotation of the Program for Industrial Practice of 4th-Year Students, Semester VIII
“Assistant to a Hospital Physician”
Specialty: 560001 – General Medicine (GM)

Total workload	6 credits (180 hours)
Objectives of Industrial Practice:	to train a qualified specialist capable of performing basic skills in practical medical activities, possessing organizational and managerial, educational, and research abilities, and meeting the requirements of the quality assurance system in the international educational process.
Objectives / Tasks:	Objectives of the industrial practice include mastering the basic practical skills of a family physician in an outpatient (Primary Health Care Center) setting
Content of the Sections of the Educational Program	<p>Content of the Industrial Practice (Family Physician / PHC Center):</p> <ul style="list-style-type: none"> -Principles of family medicine. Main functional duties of a family physician. Structure and principles of operation of the Primary Health Care Center (PHC). -Cough and expiratory dyspnea in family physician practice. Pneumonia. Bronchial asthma. Acute bronchitis. Chronic obstructive pulmonary disease (COPD). -Arterial hypertension, chest pain, and inspiratory dyspnea in family physician practice. Hypertension. Coronary artery disease. Angina pectoris. Chronic heart failure. -Epigastric pain in family physician practice. Peptic ulcer disease of the stomach and duodenum. Chronic cholecystitis. -Nephrotic syndrome in family physician practice. Acute and chronic glomerulonephritis. Chronic pyelonephritis. -Anemia in family physician practice. Iron-deficiency anemia. Vitamin B12–deficiency anemia. -Hyperglycemia and goiter syndrome in family physician practice. Type 2 diabetes mellitus. Endemic goiter. -Joint pain and back pain in family physician practice. Rheumatoid arthritis. Osteoarthritis. Systemic sclerosis. Dermatomyositis. -Emergency conditions in family physician practice (asthma attack, angina attack, hypertensive crisis, pulmonary edema, paroxysmal tachycardia). -Antenatal care for pregnant women with normal pregnancy. Physiological pregnancy. Physiological childbirth. -Obstetric and gynecological diseases in family physician practice. Menstrual cycle disorders. Menopause. -Integrated Management of Childhood Illness (IMCI). Breastfeeding. Rickets. Assessment of child health in various diseases from 2 months to 5 years of age. -IMCI in acute respiratory viral infections, diphtheria, and acute intestinal infections. -Nervous and mental diseases in family physician practice. Headache (tension-type, cluster headache, migraine). Panic disorder and agoraphobia. Anxiety disorders. -Skin diseases in family physician practice. Dermatitis. Eczema. Psoriasis. -Infectious diseases in family physician practice. Acute respiratory infections. Influenza. Brucellosis. -ENT diseases in family physician practice. Conjunctivitis. Acute otitis externa and otitis media. Rhinitis. Tonsillitis. -Emergency conditions: laryngeal edema, false croup, syncope, collapse, electric shock, heat and sunstroke, bites. -Diarrhea. Functional bowel disorders (FBD). Dysbiosis. -Outpatient surgery. -Final session. Orders of the Ministry of Health of the Kyrgyz Republic.

<p>As a result of completing the industrial practice, the student should:</p>	<p>Know and understand:</p> <ul style="list-style-type: none"> -the etiology and pathogenesis of the most common diseases of internal organs; practical skills used in cardiology, pulmonology, gastroenterology, etc. (PC-2); -modern laboratory diagnostic methods for diseases of internal organs (PC-11); -typical (classical) clinical manifestations and course of the most common diseases of internal organs (PC-13); -classification, pharmacodynamics and pharmacokinetics, dosages, indications, and contraindications of medicinal products (PC-15); -principles of emergency care for life-threatening conditions (PC-18). <p>Be able to:</p> <ul style="list-style-type: none"> -identify symptoms and syndromes; -apply accumulated knowledge to prescribe necessary clinical, instrumental, and laboratory examinations for patients with suspected internal organ diseases (PC-2); -identify deviations typical of specific pathologies in examination results; -perform diagnosis and differential diagnosis of diseases of internal organs (PC-11); -establish a preliminary diagnosis and determine the scope of additional investigations to уточнить the diagnosis; -formulate a clinical diagnosis according to accepted classifications (PC-13); -develop a treatment plan considering the course of the disease, select and prescribe pharmacotherapy, and use non-pharmacological treatment methods (PC-15); -refer patients for planned or emergency hospitalization depending on disease severity (PC-18). <p>Have skills in:</p> <ul style="list-style-type: none"> -general clinical examination methods; -basic practical skills for examining patients with internal organ diseases (PC-2); -developing standard (clinical, laboratory, instrumental) examination plans for adults and adolescents; -interpreting laboratory and instrumental investigation results (PC-11); -applying algorithms for establishing preliminary and comprehensive clinical diagnoses (PC-13); -using a modern range of therapeutic agents and other treatment modalities, as well as methods of clinical, instrumental, and laboratory monitoring of treatment safety, adequacy, and effectiveness (PC-15); -providing resuscitation care (PC-18).
<p>List of Competencies to Be Developed:</p>	<p>PC-2; PC-11; PC-13; PC-15; PC-18.</p>
<p>Types of Educational Activities:</p>	<p>Practical activity as an assistant to a PHC (Primary Health Care Center) physician, participation in the diagnostic and therapeutic process, patient reception and monitoring, performing medical procedures under the supervision of a physician, and maintaining medical documentation.</p>
<p>Reporting / Assessment:</p>	<p>Preparation and defense of the report: each student is required to submit to the university supervisor a practice diary, a consolidated report on the completed work, and a reference from the place of practice, signed by the institution supervisor and certified with an official seal.</p> <p>Computer-based testing.</p>

Person Responsible for Practice (OMMU): Alimova M.Kh.