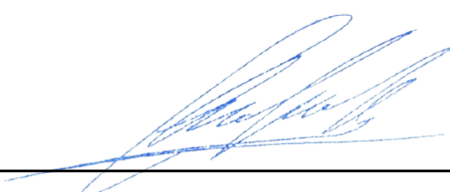


THEMATIC PLAN
of Lectures and Practical Classes in Oncology
for 5th-Year Medical Faculty No. 2 Students
(Group 501am)
Specialty: **Medicine**
for the Spring Semester of the 2025–2026 Academic Year
Kropyvnytskyi

Day	Type of Class	Number of Hours	Topic
1	Lecture	2	Tumors of the Liver, Gallbladder, and Pancreas. Liver Tumors
	Practical Class	3,33	Tumors of the Liver, Gallbladder, and Pancreas. Liver Tumors. Epidemiology of Liver Cancer. Etiopathogenesis of Hepatocellular and Cholangiocellular Carcinoma. Growth Patterns. Primary and Metastatic Liver Cancer. Clinical Presentation of Liver Cancer. Diagnostic Methods: Radionuclide Techniques, Ultrasound, Computed Tomography, Liver Needle Biopsy, Laparoscopy. Tumor Markers for Disease Monitoring. Principles of Treatment. Preventive Measures. Pancreatic Tumors. Incidence. Etiological Factors. Preventive Measures. Localization, Macroscopic Forms, Histological Structure, Metastasis. Symptoms of Pancreatic Cancer. Clinical Signs Depending on Tumor Location. Diagnosis. Differential Diagnosis of Jaundice. Principles of Pancreatic Cancer Treatment.
2	Lecture	2	Tumors of the Kidney, Urinary Bladder, and Prostate
	Practical Class	3,33	Tumors of the Kidney, Urinary Bladder, and Prostate. Kidney Cancer. Epidemiology. Classification of Kidney Tumors. Etiology. Role of Proteasomal Degradation of HIF Factor in the Etiology of Renal Clear Cell Carcinoma. Pathological Anatomy. Staging Classification. Symptomatology of Kidney Tumors. Main Diagnostic Methods. Treatment. Urinary Bladder Tumors. Benign Tumors: Papilloma, Fibroma, Leiomyoma. Clinical Presentation, Diagnosis, Treatment. Role of Chemical Carcinogens in the Development of Bladder Cancer. Histological Types of Cancer. Staging Classification. Clinical

			Manifestations. Characteristics of Hematuria. Role of Cystoscopy in the Diagnosis of Bladder Tumors. Treatment Methods. Prostate Tumors. Epidemiology. Etiological Factors, Role of Androgens in Tumor Development.
3	Lecture	1	Tumors of the Esophagus and Stomach
	Practical Class	4,33	Tumors of the Colon and Rectum. Epidemiology. Etiological Factors. Role of Diet. Precancerous Conditions. Familial Polyposis. Peutz–Jeghers and Lynch Syndromes. Methods of Cancer Prevention. Causes of Neglected Cancer Cases. Tumor Growth Patterns and Localization. Histological Variants of Cancer. Metastatic Pathways. Staging Classification. Complications. Clinical Forms of Colon Cancer. Symptomatology of Rectal Cancer. Diagnostic Methods. Role of Digital Rectal Examination. Fecal Occult Blood Test as a Screening Method. Importance of Colonoscopy, Barium Enema, and Rectosigmoidoscopy for Diagnosis. Differential Diagnosis. Radical and Palliative Treatment. Extent of Surgical Intervention Depending on Tumor Location. Management of Obstructive Bowel Obstruction. Chemotherapy. Treatment Outcomes. Medical Record Documentation.
4	Practical Class	5,33	Lymphomas. Lymphomas: Epidemiology, Etiology, Pathogenesis, Clinical Presentation, Diagnosis, Treatment, Prognosis, Prevention. Structure and Biological Significance of the Lymphatic System. Endolymphatic Administration. Lymph Node. Kinetics of T and B Lymphocytes. Homing. Selectins and Integrins. Hodgkin’s Lymphoma, Non-Hodgkin Lymphomas, Multiple Myeloma. Clinicopathological Classification, Histological Variants. Features of Diagnosis and Treatment. Prognosis.
5	Practical Class	6	Neuroendocrine Tumors. Origin of Neuroendocrine Tumors. WHO Classification, 2003, According to Williams and Sandler, 1963. Incidence. Clinical Manifestations Depending on Tumor Location. Diagnosis. Typical and Atypical Carcinoid Syndrome. Immunohistochemical Studies for Chromogranin A, Neuron-Specific Enolase, Affinity to Silver Salts, Presence of Cytoplasmic Granules. Protein S100. Somatostatin Receptor Scintigraphy. Assessment of Serotonin Levels in Platelets, Chromogranin A, Neurotensin. Features of Diagnosis and Treatment of Functioning and Non-Functioning Neuroendocrine Tumors. Streptozotocin, Interferons. Chemotherapy in the Treatment of Poorly Differentiated Carcinoid Tumors. Final Examination.
3	Total: 27.3 hours, including 5 hours of lectures and 22.3 hours of practical classes 		

**Head of the Department of Surgical Disciplines,
PhD in Medicine, Associate Professor**

Stanislav ZHARIKOV
