



## FACULTY OF MEDICINE

Approved:

Dean:

(Prof. Dr. Yoto Yotov, PhD)



# SYLLABUS OF THE PREGRADUATE INTERNSHIP IN “SURGERY”

Specialty	<b>MEDICINE</b>
Educational - qualification degree	<b>master</b>
Organizational form of education	<b>full-time</b>
Duration (days)	<b>75 days (319 hours)</b>
ECTS- credits: total (Internship/State Examination)	<b>14 (11/3)</b>
Year	<b>Sixth</b>
Completes with a State Examination	<b>Yes</b>
Developer(s) of the Syllabus: Prof. Dr. Krasimir Ivanov, PhD, DSc Prof. Dr Rosen Madjov PhD DSc Assoc. Prof. Dr Vasil Bozhkov PhD Assoc. Prof. Dr. Aleksandar Zlatarov, PhD Prof. Dr Rumen Nenkov PhD Prof Dr Dimitar Raykov PhD DSc Prof Dr Tosho Ganev PhD	

Varna, 2023

## ANNOTATION

<b>Aims of the pregraduate internship</b>	<p>High professional training in the field of the studied specialty, to improve the knowledge and skills acquired during the studies and to prepare students for independent solution of diagnostic, therapeutic, and other professional tasks.</p> <p>A. Surgical conditions are responsible for a significant proportion of elective and emergency referrals. All graduating doctors require knowledge of surgical principles and an understanding of the management of common surgical conditions for the rest of their career. A minimum level of competency is required to ensure good care for future patients seen within any branch of medicine.</p> <p>B. Surgical wards and clinics provide an excellent environment to develop those clinical skills that are required of all medical students. They are typically high-volume services with a wealth of clinical material that provides training in generic medical skills such as history taking, physical examination, diagnostic formulation and management. They also provide an environment that allows development of non-clinical skills such as communication and team-working. There are often very rapid changes in a patient's condition, allowing for immediate reinforcement of learning and reflection on interventions.</p> <p>C. Surgery is the exemplar interventional specialty. All doctors need to understand the challenges for patients and doctors of diagnostic and therapeutic interventions, including how they should be planned, discussed, agreed and delivered while maintaining patient dignity, privacy and safety. Furthermore, an understanding of potential interventions allows doctors to put each investigation into context for each patient, avoiding unnecessary tests and dealing with expectations.</p>
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<b>Outcomes for students at the end of the internship:</b>	
<b>Knowledge</b>	<ul style="list-style-type: none"> <li>• To recognize and understand common surgical conditions</li> <li>• To recognize and understand emergency surgical presentations</li> <li>• To be aware of what treatment possibilities are available, including non-operative</li> <li>• To understand the principles of preoperative optimization</li> <li>• To understand postoperative complications</li> <li>• To be able to explain in general terms to a patient the implications of a common surgical diagnosis</li> <li>• An understanding of the types and risks of anaesthetics</li> <li>• An understanding of the normal postoperative course and deviations from these</li> <li>• An understanding of the principles of informed consent</li> <li>• To have sufficient basic understanding of surgery to help with future career choice</li> </ul>
<b>Skills</b>	<ul style="list-style-type: none"> <li>• To apply biomedical scientific principles, method and knowledge to medical practice</li> <li>• To apply the principles, method and knowledge of population health and the improvement of health and healthcare to medical practice</li> <li>• To apply scientific method and approaches to medical research</li> <li>• To carry out a consultation with a patient</li> <li>• To diagnose and manage clinical presentations</li> </ul>

	<ul style="list-style-type: none"> <li>• To communicate effectively with patients and colleagues in a medical context</li> <li>• To provide immediate care in medical emergencies</li> <li>• To prescribe drugs safely, effectively and economically</li> <li>• To carry out practical procedures safely and effectively</li> <li>• To use information effectively in a medical context.</li> <li>• To behave according to ethical and legal principles</li> <li>• To reflect, learn and teach others</li> <li>• To learn and work effectively within a multi-professional team.</li> <li>• To protect patients and improve care</li> </ul>
<b>Medical competencies acquired during the pregraduate internship:</b>	
<ol style="list-style-type: none"> <li><b>1. Patient Care</b> that is compassionate, appropriate, and effective for treating health problems and promoting health.</li> <li><b>2. Medical Knowledge</b> about established and evolving biomedical, clinical, and cognate (eg, epidemio-logical and social-behavioral) sciences and the application of this knowledge to patient care.</li> <li><b>3. Practice-Based Learning and Improvement</b> that involves investigation and evaluation of their own patient care, appraisal, and assimilation of scientific evidence, and improvements in patient care.</li> <li><b>4. Interpersonal and Communication Skills</b> that result in effective information exchange and teaming with patients, their families, and other health professionals.</li> <li><b>5. Professionalism</b>, as manifested through a commitment to carrying out professional responsibilities, adherence to ethical principles, and sensitivity to a diverse patient population.</li> <li><b>6. Systems-Based Practice</b>, as manifested by actions that demonstrate an awareness of and responsiveness to the larger context and system of health care and the ability to effectively call on system resources to provide care that is of optimal value.</li> </ol>	

<b>Methods of education</b>
<ul style="list-style-type: none"> <li>▪ lectures</li> <li>▪ seminars, taking part in surgical procedures</li> <li>▪ practicals and laboratory exercises, work with patients under observation, medical documentation.</li> </ul>
<b>Links with courses from the curriculum of the specialty</b>

## **REGULATIONS FOR THE CONDUCT OF THE PREGRADUATE INTERNSHIP**

The internship in Surgery takes place in the Second Clinic of Surgery - 11th University Hospital "St. Marina" EAD and lasts 75 days. Within the internship, the trainees must also pass through the Clinic of Thoracic Surgery - 10 days, the Clinic of Vascular Surgery - 10 days, the Clinic of Orthopedics - 10 days, the Clinic of Urology - 10 days.