



Distance learning (asynchronous)		15			10									
Summer Semester														
Direct (contact) education					10									
Online learning (synchronous)	10													
Online learning (asynchronous)					10									
TOTAL per year:														
Direct (contact) education	20				20									
Online learning (synchronous)														
Online learning (asynchronous)		15			20									
Educational objectives (max. 6 items)														
C1. Understanding the principles of surgical management.														
C2. Knowledge of pathology, diagnosis and treatment of surgical diseases.														
C3. Ability to perform basic surgical procedures.														
C4. Ability to conduct in trauma, shock and sudden dangers of life.														
Education result matrix for module/course in relation to verification methods of the intended education result and the type of class														
Number of course education result	Number of major education result	Student who completes the module/course knows/is able to				Methods of verification of intended education results (forming and summarising)	Form of didactic class <i>**enter the abbreviation</i>							
W 01	E.W20. E.U1. E.U2.	Knows and respects for the principles of asepsis and antisepsis. Describes differential diagnosis of surgical diseases. Defines basic principles of surgical therapy				oral answer, discussion	L, SE, CC							
U 01	E.U3. E.U4. E.U17. E.U20	Recognizes the risks to health and life. Examines the patient. Performs first aid in cases of surgical emergencies (stopping bleeding, splinting limbs, wounds care, prevention of tetanus, HIV and viral hepatitis). Performs small surgical procedures Fills medical records.				presentation skills oral answer, discussion	CC							
K 01	D.W5. D.U3. D.W13.	Actively participates in surgical interventions. Cooperates in a operating team				oral answer, discussion	CC							



** L - lecture; SE - seminar; AC – auditorium classes; MC – major classes (non-clinical); CC – clinical classes; LC – laboratory classes; SCM – specialist classes (magister studies); CSC – classes in simulated conditions; FLC – foreign language course; PCP practical classes with patient; PE – physical education (obligatory); VP – vocational practice; SS – self-study, EL – E-learning .

Please mark on scale 1-5 how the above effects place your classes in the following categories:
communication of knowledge, skills or forming attitudes:
Knowledge:2
Skills:2
Social competences:2

Student's amount of work (balance of ECTS points)	
Student's workload (class participation, activity, preparation, etc.)	Student Workload (h)
1. Contact hours:	20
2. Online learning hours (e-learning):	55
3. Student's own work (self-study):	75
Total student's workload	150
ECTS points for module/course	6
Comments	

Content of classes (please enter topic words of specific classes divided into their didactic form and remember how it is translated to intended educational effects)

- Lectures**
1. Wounds. Purulent infections of the skin. Burns and frostbites.
 2. Injuries of the head, neck, thorax and abdomen.
 3. Shock. Hemorrhages.
 4. Vascular surgery
 5. Malignant tumors. Principles of management in malignancies. Breast tumors.
 6. Diseases of the esophagus, stomach and duodenum
 7. Non-malignant intestinal diseases
 8. Gastric cancer. Colorectal cancer
 9. Diseases of the liver and pancreas that require operative treatment
 10. Endoscopy and minimally invasive surgery

- Seminars**
1. Asepsis and antisepsis
 2. Learning the principles of work In a surgical ward.
 3. Methods of surgical treatment
 4. Indications for surgical treatment.
 5. Preparing the patient and he surgical team for an operation
 6. Diagnosing surgical diseases, indications and sequence of diagnostic procedures
 7. First aid and treatment in injuries and surgical emergencies.
 8. Learning the principles of prevention of surgical infections, particularly HIV and viral hepatitis B and C.



<p>Practical classes</p> <ol style="list-style-type: none">1. Aseptic and antiseptic procedures in surgery2. Routine preparation of the surgical team and the patient to an operation3. The operating theatre. Surgical instrument, types of sutures and knots used in surgery4. Wounds5. The art of wound dressing6. Technique of wound dressing7. Technique of minor surgical procedures8. Surgical aspects of minor surgical procedures (taking history, physical examination, documentation).9. Surgical infections10. Bone fractures, distortions and dislocations of joints11. First aid in surgical emergencies; basic rules of medical first aid12. Acute and chronic limb ischemia. Surgical venous diseases of the leg13. Principles of surgical endocrinology14. Gastric and duodenal ulcers15. Gastric cancer. Colorectal cancer16. Hernias17. Symptoms and signs, diagnosis and treatment of acute abdominal diseases(surgical emergencies)18. Breast tumors: principles of treatment19. Principles of proctology20. Presenting the current cases. Getting the credit.
<p>Other</p>
<p>Basic literature (list according to importance, no more than 3 items)</p> <ol style="list-style-type: none">1. Sabiston Textbook of Surgery, 20th Edition. The Biological Basis of Modern Surgical Practice Editors: Courtney M. Townsend & R. Daniel Beachamp & B. Mark Evers & Kenneth L. Mattox. 20162. SCHWARTZ'S PRINCIPLES OF SURGERY 2-volume set 11th edition, 2019
<p>Additional literature and other materials (no more than 3 items)</p> <ol style="list-style-type: none">1. Current Surgical Therapy 13th Edition by John L. Cameron (Author), Andrew M. Cameron (Author), 2019
<p>Didactic resources requirements (e.g. laboratory, multimedia projector, other...)</p> <p>Seminar room, computer, multimedia projector, set of surgical tools and sutures, trainers, bandages, splints and orthopedic stabilizers, operating and interventional rooms, surgical ward</p>
<p>Preliminary conditions (minimum requirements to be met by the student before starting the module/course)</p> <p>Knowledge of anatomy and physiology. The basic minimum knowledge of the pathology and pathophysiology. Getting acquainted with the currently applicable regulations USK in the field of student activities</p>
<p>Conditions to receive credit for the course (specify the form and conditions of receiving credit for classes included in the module/course, admission terms to final theoretical or practical examination, its form and requirements to be met by the student to pass it and criteria for specific grades)</p>



The positive opinion according to the theoretical and practical knowledge acquired during the course
The positive results of tests and oral answer during clinical classes
The positive result of the exam at the end of the course

Grade:	Criteria (only for courses/modules ending with an examination)
Very Good (5.0)	The student knows, understands and explains the pathomechanisms, diagnosis and treatment of all the diseases, taking into account all aspects of surgical instruments. Fully able to apply the acquired practical skills
Good Plus (4.5)	The student knows, understands and explains over 90% of these theoretical issues. Fully able to apply the acquired practical skills
Good (4.0)	The student knows and understands 80% of the theoretical issues and is able to apply them in practice. Able to perform all operations of processed treatment
Satisfactory Plus (3.5)	The student knows and understands more than 70% of these theoretical issues and knows how to apply them in practice. Able to do most learned surgical procedures
Satisfactory (3.0)	The student knows and understands min. 60% of these theoretical issues and knows how to perform basic surgical treatment
	Criteria (only for courses/modules ending with e credit)
Credit	The positive opinion according to the theoretical and practical knowledge acquired during the course The positive results of tests and oral answer during clinical classes

Grade:	Criteria (examination evaluation criteria)
Very Good (5.0)	92 – 100%
Good Plus (4.5)	84 – 91%
Good (4.0)	76 – 83%
Satisfactory Plus (3.5)	68 – 75%
Satisfactory (3.0)	60 – 67%
Unit realizing the subject	Department of General, Minimally Invasive and Endocrine Surgery
Unit address	Borowska Street 213, 50-556 Wrocław
Telephone	71 7343000
E-Mail	ws-11@umed.wroc.pl



Person responsible for module	Prof. dr hab. Jerzy Rudnicki
Coordinator	Prof. dr hab. Jerzy Rudnicki
Telephone	71 7343001
E-Mail	jerzy.rudnicki@umed.wroc.pl

List of persons conducting specific classes				
Full name	Degree/scientific or professional title	Discipline	Performed profession	Form of classes
Maciej Sebastian	MD, PhD	medicine	Adjunct, surgeon	CC, SE, L
Maciej Sroczyński	MD, PhD	medicine	Assistant, surgeon	CC, SE
Mateusz Szmit	MD	medicine	Assistant, surgeon	CC, SE

Date of Syllabus development

21.09.2020

Syllabus developed by

Maciej Sebastian MD, PhD

Signature of Head of teaching unit

Prof. dr hab. Jerzy Rudnicki

Signature of Faculty Dean

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