



Syllabus for academic year: 2021/2022													
Training cycle: 2016/2017 – 2021/2022													
Description of the course													
Course	Practical Clinical Teaching – chosen specialty: SURGERY										Group of detailed education results		
											Group code (E or F) F	Group name Interventional clinical sciences	
Faculty	Faculty of Medicine												
Major	medicine												
Level of studies	X uniform magister studies												
Form of studies	X full-time <input type="checkbox"/> part-time												
Year of studies	VI						Semester:		<input type="checkbox"/> winter X summer (April/May)				
Type of course	X obligatory												
Language of study	<input type="checkbox"/> Polish X English												
Number of hours													
Form of education													
	Lectures (L)	Seminars (SE)	Auditorium classes (AC)	Major Classes – not clinical (MC)	Clinical Classes (CC)	Laboratory Classes (LC)	Classes in Simulated Conditions (CSC)	Practical Classes with Patient (PCP)	Foreign language Course (FLC)	Physical Education (PE)	Vocational Practice (VP)	Directed Self-Study (DSS)	E-learning (EL)
Winter semester:													
Department of General, Minimally Invasive and Endocrine Surgery													
Direct (contact) education ¹													
Distance learning ²													
Summer semester: 180 HOURS													
Department of General, Minimally Invasive and Endocrine Surgery													
Direct (contact) education					180								
Distance learning													
TOTAL per year: 180 HOURS													
Department of General, Minimally Invasive and Endocrine Surgery													

¹ Education conducted with direct participation of university teachers or other academics

² Education with applied methods and techniques for distance learning



Direct (contact) education					180								
Distance learning													
<p>Educational objectives (max. 6 items)</p> <p>C1. To make the student know the principles of diagnosing and treating the most common acute and chronic conditions that require surgical intervention.</p> <p>C2. To make the student know the principles of qualifying the patient for surgical treatment, both elective and emergency.</p> <p>C3. To train the student in filling medical records of a surgical department.</p> <p>C4. To make the student familiar with the principles of preparing the patient for an operation and the principles of postoperative care.</p> <p>C5. To make the student familiar with adequate behavior within the operating theatre, using aseptic procedures, basic surgical terminology and tools and techniques of surgical procedures.</p> <p>C6. Development social competences needed to practice the medical profession, in accordance with graduate's profile.</p>													
<p>Education result for course in relation to verification methods of the intended education result and the type of class:</p>													
Number of detailed education result	Student who completes the course knows/is able to					Methods of verification of intended education results	Form of didactic class <i>*enter the abbreviation</i>						
F.W1.	<p>the causes, symptoms, principles of diagnosis and therapeutic management of the most common diseases requiring surgical intervention, taking into account the specificity of child's age, including in particular:</p> <ol style="list-style-type: none"> 1) acute and chronic abdominal diseases, 2) thoracic diseases, 3) diseases of the limbs and head, 4) bone fractures and organ injuries 					oral answer, discussion	CC						
F.W3.	the principles of qualification for basic surgical procedures and invasive diagnostic and therapeutic procedures, the principles of their performance and the most frequent complications					oral answer, discussion	CC						
F.W4.	the principles of perioperative safety, preparing the patient for surgery, administering general and local anaesthesia and controlled sedation;					oral answer, discussion	CC						
F.W5.	the postoperative treatment with pain therapy and postoperative monitoring					oral answer, discussion	CC						
F.W10.	<p>the issues surrounding the use of contemporary imaging examinations, in particular:</p> <ol style="list-style-type: none"> 1) the radiological symptomatology of the principal diseases, 2) the instrumental methods and imaging techniques used to perform medical procedures, 					oral answer, discussion	CC						



	3) the indications, contraindications and preparation of the patient for particular types of imaging examination and contraindications to the use of contrast agents		
E.U1.	conduct anamnesis with an adult patient	oral answer, discussion	CC
E.U3.	conduct a complete and focused physical examination of an adult patient	verification of practical skills	CC
E.U14.	recognize immediate life-threatening conditions	oral answer, discussion	CC
E.U20.	qualify the patient for home and hospital treatment	oral answer, discussion	CC
E.U24.	interpret laboratory test results and identify causes of deviations from the norm	oral answer, discussion	CC
E.U25	administer nutritional treatment, including enteral and parenteral nutrition	oral answer, discussion	CC
E.U36	deal with injuries (apply a dressing or immobiliser, dress and stitch up a wound)	verification of practical skills	CC
E.U38.	maintain patient medical records	oral answer, discussion	CC
F.U1.	assist in a typical surgical procedure, prepare the surgical field and administer local anaesthetic to the surgical area	verification of practical skills	CC
F.U2.	use basic surgical instruments	verification of practical skills	CC
F.U3.	comply with the principles of asepsis and antisepsis	oral answer, discussion	CC
F.U4.	dress a simple wound, apply and change a sterile surgical dressing	verification of practical skills	CC
F.U5.	insert intravenous line	verification of practical skills	CC
F.U6.	examine the nipples, lymph nodes, thyroid gland and abdominal cavity in terms of the acute abdomen and perform a finger examination through the rectum	verification of practical skills	CC
F.U7.	assess the radiographic findings for the most common types of fracture, particularly long bone fractures	oral answer, discussion	CC
F.U8.	perform temporary immobilisation of the limb, choose the type of immobilisation necessary for use in typical clinical situations and check the supply of the blood to the limb after applying immobilisation dressing	verification of practical skills	CC
F.U9.	treat external bleeding	verification of practical skills	CC



F.U10.	perform basic resuscitation using an automated external defibrillator and other emergency procedures as well as first aid	oral answer, discussion	CC
F.U12.	monitor the patient's condition in the postoperative period based on basic vital signs	oral answer, discussion	CC
* L- lecture; SE- seminar; AC- auditorium classes; MC- major classes (non-clinical); CC- clinical classes; LC- laboratory classes; CSC- classes in simulated conditions; PCP- practical classes with patient; FLC- foreign language course; PE- physical education; VP- vocational practice; DSS- directed self-study; EL- E-learning			
Student's amount of work (balance of ECTS points):			
Student's workload (class participation, activity, preparation, etc.)		Student Workload	
1. Number of hours of direct contact:		180	
2. Number of hours of distance learning:		n/a	
3. Number of hours of student's own work:		90	
4. Number of hours of directed self-study		n/a	
Total student's workload		270	
ECTS points for course		12,0	
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 – n/a			
Seminars – n/a			
<ol style="list-style-type: none"> 1. Participating in admitting patients, examining and preparing them for elective surgical operations. 2. Participating in everyday work at a surgical department, taking care of patients, ward rounds, clinical and laboratory tests, ordering medical treatment. 3. Participating in everyday changing wound dressings and treatment of complicated wounds, removing drains, pulling sutures 4. Assisting to bedside procedures, including catheterizing urinary bladder and placing a nasogastric tube. 5. Participating in diagnosing and treating postoperative complications. 6. Assisting to filling in medical records. 7. Assisting to major surgical procedures of general, oncological, endocrine, and vascular surgery, open and laparoscopic. 8. Participating in qualifying for and conducting parenteral and enteral nutrition. 9. Participating in surgical emergency calls, diagnosing, qualifying and preparing patients for emergency procedures, assisting to emergency operations. 10. Assisting to rectoscopy and digital rectal examinations. 11. Assisting to the work in an Outpatient Surgical Clinic, including outpatient surgical procedures (wound care, excising superficial lesions, incisions of abscesses, removing ingrown nails). 			
Other – n/a			
Basic literature (list according to importance, no more than 3 items)			
<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 Beauchamp & B. Mark Evers & Kenneth L. Mattox. 2016 2. SCHWARTZ'S PRINCIPLES OF SURGERY 2-volume set 11th edition, 2019 			
Additional literature and other materials (no more than 3 items)			
<ol style="list-style-type: none"> 1. Current Surgical Therapy 13th Edition by John L. Cameron (Author), Andrew M. Cameron (Author), 2019 			
Preliminary conditions: (minimum requirements to be met by the student before starting the course)			
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			



Conditions to receive credit for the course: (specify the form and conditions of receiving credit for classes included in the 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)

Attention! Attendance can not be a condition for passing the course

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 credit is received with direct contact with the teacher. In justified cases, under the decision of the Rector, it may be performed in remote form.

Grade:	Criteria for courses ending with a grade ³
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 Above (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 for courses ending with a credit ³
Credit	

Department in charge of the course:	Department of General, Minimally Invasive and Endocrine Surgery
Department address:	Borowska Street 213, 50-556 Wrocław
Telephone:	71 7343000
E-Mail:	ws-11@umed.wroc.pl

Person in charge for the course:	Prof. dr hab. Jerzy Rudnicki
Telephone:	Prof. dr hab. Jerzy Rudnicki
E-Mail:	71 7343001

List of persons conducting specific classes:

Name and surname	Degree/scientific or professional title	Discipline	Performed profession	Form of classes
Maciej Sebastian	MD, PhD	medicine	Adjunct, surgeon	CC

³ The verification must cover all education results, which are realized in all form of classes within the course



Date of Syllabus development

11.06.2021

Syllabus developed by

Maciej Sebastian MD, PhD

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Signature of Head(s) of teaching unit(s)

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Dean's signature

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