



Summer Semester													
2nd Dep. of General and Oncological Surgery			2		7								
1st Dep. of General, Gastroenterological and Endocrine Surgery			2		10								
Dep. of Vascular, General and Transplant Surgery			0		0								
Dep. of Gastrointestinal Surgery			2		7								
TOTAL per year:													
120			24		96								
<p>Educational objectives (max. 6 items)</p> <p>C1. To make the student know the principles of diagnosing and treating most common acute and chronic conditions that require surgical intervention, and qualifying the patient for surgical treatment, both elective and emergency.</p> <p>C2. To train the student in taking history, performing physical examination of the patient, and filling medical records of a surgical department.</p> <p>C3. To make the student familiar with the principles of safe preparing the patient for an operation and the principles of postoperative care.</p> <p>C4. To make the student familiar with adequate behaviour within the operating theatre</p> <p>C5. To train the student in the techniques of common ambulatory and bedside surgical procedures</p> <p>C6. To repeat the information from the previous years of the course of Surgery with regard to its use in clinical practice</p>													
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	F.W1	knows and understands the causes, symptoms and signs of most common conditions that require surgical intervention				oral response, demonstration	CC						
W 02	F.W3	knows the principles of performing main surgical operations and invasive diagnostic or therapeutical procedures				oral response, demonstration	CC						
W 03	F.W4	knows the principles of preparing the patient for an operation, applying local and general anaesthesia, and controlled sedation				oral response, demonstration	AC, CC						
W 04	F.W5	knows postoperative treatment including analgesia and monitoring				oral response, demonstration	AC, CC						

U 01	F.U1	assists for a typical surgical procedure, prepares the operating field and applies local anaesthesia	demonstration	AC, CC
U 02	F.U2	uses common surgical tools	demonstration	CC
U 03	F.U3	abides by the rules of asepsis	demonstration	CC
U 04	E.U36	potrafi postępować w przypadku urazów (założyć opatrunek lub unieruchomienie, zaopatrzyć i zszyć ranę)	demonstration	AC, CC
U 05	F.U6	examines the breasts, lymph nodes, thyroid, and abdomen for acute abdominal signs, and performs digital rectal examination	demonstration	AC, CC
U 06	F.U9	controls external bleeding	demonstration	CC
<p>** 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 .</p>				
<p>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: 3 Skills: 5 Social competences: N/A</p>				
Student's amount of work (balance of ECTS points)				
Student's workload (class participation, activity, preparation, etc.)			Student Workload (h)	
1. Contact hours:			120	
2. Student's own work (self-study):			96	
Total student's workload			216	
ECTS points for module/course			7,5	
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 N/A				
Seminars N/A				
<p>Practical classes Topics are taught continuously in both semesters, depending on present cases and opportunities:</p> <ol style="list-style-type: none"> 1. Participating in everyday work of a surgical department 2. Participating in surgical emergency calls 3. Participating in the work in an Outpatient Surgical Clinic, including outpatient surgical procedures 4. Diagnosing acute abdominal diseases, injuries, and gastrointestinal bleedings 5. Participating in qualifying patients for elective and emergency surgical operations 6. Taking history and physical examination of patients 7. Filling in medical records 8. Practicing surgical sutures 9. Assisting at changing wound dressings 				



10. Assisting at bedside procedures
11. Assisting at major surgical procedures of general, oncological, endocrine, and vascular surgery
12. Assisting at endoscopic diagnostic and therapeutic procedures
13. Repetition of the knowledge from previous years of Surgery: preparing to the final exam

Auditorium classes

2nd Department of General and Oncological Surgery

Winter semester

1. Principles of dressing wounds. Taking care of traumatic and postoperative wounds, normal and complicated. Wound drainage.
2. Common bedside procedures: principles and technique. Placement of a urinary catheter in a female and male patient. Placement of a nasogastric tube: different purposes and technique.
3. Types and use of surgical tools, traditional and modern.

Summer semester

1. Principles of postoperative care. Fluid therapy. Monitoring the patient's condition. Analgesia. Principles of administering drugs. Prevention of complications. Diet after an operation.

1st Department of General, Gastroenterological and Endocrine Surgery

Summer semester

1. Minor outpatient surgical procedures: types and techniques. Principles of local anaesthesia.
2. Preparing the patient for an operation. Patient's informed consent vs. consent by the court; informing other people of the patient's condition. Qualification by a surgeon and by an anaesthesiologist. Changing chronic medication. Preparing the patient on the ward. Preparing the operating field at the operating theatre.

Department of Vascular, General and Transplant Surgery

Winter semester

1. Technique of surgical knots - manual and using tools.
2. Technique of surgical sutures, their types and use. Different types of needles and sutures (threads), and their use. Mechanical sutures: staplers and clips.

Department of Gastrointestinal Surgery

Winter semester

1. Repetition of the principles of taking history and performing physical examination, from a surgeon's point of view. Elements of medical history vital to the patient's safety. Technique of physical examination in typical surgical conditions, including follow-up after an operation.

Summer semester

1. Contemporary medical records of a surgical department. International classification of diseases and procedures (ICD-10 and ICD-9).

Basic literature (list according to importance, no more than 3 items)

1. Garden O.J. (Ed.): Principles and practice of surgery. Davidson series. Elsevier 2007
2. Lawrence P.F. (Ed.): Essentials of Surgery. Williams and Wilkins 1992
3. Sweetland H., Conway K.: Surgery. Crash Course. Mosby 2004

Additional literature and other materials (no more than 3 items)

N/A

Didactic resources requirements (e.g. laboratory, multimedia projector, other...)

Access to patients' rooms, operating theatre, outpatient surgical clinic, endoscopy laboratory; surgical



tools for practice; PC/notebook and multimedia projector	
Preliminary conditions (minimum requirements to be met by the student before starting the module/course) Credit for previous two years of the course of Surgery	
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) A. Credit for is based on attendance at classes, proving the student's new abilities, and passing the final test. Test (MCQ) after all classes (before the exam). The test includes all the topics from 3 years of the course of Surgery.	
B. The subject Surgery ends with an exam in the Summer session, and comprises the whole material of 3 years of Surgery. The exam is taken with randomly attributed examiners. 1. Practical exam: The condition of passing the practical exam is proving one's ability to take history and perform and note down the results of physical examination of a given patient, establishing the diagnosis, proposing lab and imaging tests, and the plan of treatment. 2. Oral exam:	
Grade:	Criteria (only for courses/modules ending with an examination)
Very Good (5.0)	The student knows, understands and fully explains the pathomechanisms, diagnosis and treatment of all the discussed diseases, including all surgical aspects. The student takes history and performs physical examination of the given patient, documents it completely correctly in writing, proposes the right diagnosis and tests needed to establish it, discusses the differential diagnosis, suggests the adequate method of surgical treatment and discusses the main principles of the operation.
Good Plus (4.5)	The student knows, understands and explains more than 90% of the discussed theoretical problems. The student takes history and performs physical examination of the given patient, documents it correctly in writing, proposes a probable diagnosis and tests needed to establish it, suggests the adequate method of surgical treatment and explains the main idea of the operation.
Good (4.0)	The student knows, understands and explains more than 75% of the discussed theoretical problems. The student takes history and performs physical examination of the given patient, documents it correctly in writing, proposes a probable diagnosis and tests needed to establish it, suggests the adequate method of surgical treatment.
Satisfactory Plus (3.5)	The student knows, understands and explains more than 60% of the discussed theoretical problems. The student takes history and performs physical examination of the given patient, documents it in writing in an acceptable way, proposes a probable diagnosis and tests needed to establish it, and suggests a method of surgical treatment within generally accepted principles.
Satisfactory (3.0)	The student knows, understands and explains more than 50% of the discussed theoretical problems. The student takes history and performs physical examination of the given patient, documents it in writing in an acceptable way, proposes a probable diagnosis, and suggests a method of surgical treatment within generally accepted principles.



Name and address of module/course teaching unit, contact: telephone and e-mail address

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Coordinator / Person responsible for module/course, contact: telephone and e-mail address

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List of persons conducting specific classes: full name, degree/scientific or professional title, discipline, performed profession, form of classes.

<i>List of persons conducting classes:</i>	<i>degree/scientific or professional title</i>	<i>discipline</i>	<i>performed profession</i>	<i>form of classes</i>
2nd Dep. of General and Oncological Surgery				
Adam Skalski	MD, PhD	medicine	surgeon	CC, CA
Grzegorz Marek	MD, PhD	medicine	surgeon	CC, CA
Wojciech Hap	MD, doctoral studies	medicine	surgeon	CC, CA
Krzysztof Kotulski	MD, doctoral studies	medicine	surgeon	CC, CA
Piotr Kobiela	MD, PhD	medicine	surgeon	CC, CA
1st Dep. of General, Gastroenterological and Endocrine Surgery				
Paweł Domosławski	Md, PhD, Professor	medicine	surgeon	CC, CA
Piotr Czopnik	MD, PhD	medicine	surgeon	CC, CA
Krzysztof Kaliszewski	MD, PhD	medicine	surgeon	CC, CA
Krzysztof Sutkowski	MD, PhD	medicine	surgeon	CC, CA
Romualda Wojczys	MD, PhD	medicine	surgeon	CC, CA
Beata Wojtczak	MD, PhD	medicine	surgeon	CC, CA
Michał Aporowicz	MD	medicine	surgeon	CC, CA
Dep. of Gastrointestinal Surgery				
Jerzy Błaszczuk	Md, PhD, Professor	medicine	surgeon	CC, CA
Leszek Czapała	MD, PhD	medicine	surgeon	CC, CA
Renata Taboła	MD, PhD	medicine	surgeon	CC, CA
Dep. of Vascular, General and Transplant Surgery				
Piotr Szyber	Md, PhD, Professor	medicine	surgeon	CC, CA
Andrzej Dorobisz	Md, PhD, Professor	medicine	surgeon	CC, CA
Jan Skóra	Md, PhD, Professor	medicine	surgeon	CC, CA
Artur Pupka	Md, PhD, Professor	medicine	surgeon	CC, CA
Grzegorz Kałuża	MD, PhD	medicine	surgeon	CC, CA
Krzysztof Korta	MD, PhD	medicine	surgeon	CC, CA



Stanisław Pawłowski	MD, PhD	medicine	surgeon	CC, CA
Przemysław Szyber	MD, PhD	medicine	surgeon	CC, CA
Tomasz Dawiskiba	MD, PhD	medicine	surgeon	CC, CA
Paweł Chudoba	MD, PhD	medicine	surgeon	CC, CA
Diana Kupczyńska	MD	medicine	surgeon	CC, CA
Agnieszka Lepiesza	MD	medicine	surgeon	CC, CA
Aleksandra Milnerowicz	MD	medicine	surgeon	CC, CA

Date of Syllabus development

29 May 2017

Syllabus developed by

Professor Wojciech Kielan, MD, PhD;

Adam Skalski MD, PhD

Signature of Head of teaching unit

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I CHIRURGII ONKOLOGICZNEJ
Kierownik

prof. dr hab. Wojciech Kielan

Signature of Faculty Dean

Wrocław Medical University
FACULTY OF MEDICINE
VICE-DEAN FOR STUDIES IN ENGLISH
Annette Hendrich, PhD

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adiunkt dydaktyczny

dr Adam Skalski

