



Summer Semester													
2nd Department of General and Oncological Surgery	16				18								
Department of Surgical Didactics	5				12								
Total Summer Semester	21				30								
TOTAL per year:													
	43				60								
Educational objectives (max. 6 items)													
<p>C1. To make the student know the principles of diagnosing and treating acute and chronic conditions that require surgical intervention, and qualifying the patient for elective and emergency surgical treatment.</p> <p>C2. To make the student familiar with the principles of management of abdominal trauma.</p> <p>C3. To make the student familiar with the principles of diagnosing and treating common gastrointestinal and breast malignant tumours.</p> <p>C4. To make the student familiar with the basic principles of laparoscopic surgical technique.</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>							
K 01	F.W1	explains the causes, symptoms and signs of most common conditions that require surgical intervention			oral response, demonstration	CC, L							
K 02	F.W3	describes the principles of performing main surgical operations and invasive diagnostic or therapeutical procedures			oral response, demonstration	CC, L							
K 03	F.W4	understands the rules of perioperative safety, preparing the patient to surgical procedures, applying general and local anaesthesia or sedation			oral response, demonstration	CC, L							
S 01	F.U2	is able to use correctly basic surgical tools			demonstration	CC, L							
S 02	F.U3	uses aseptic and antiseptic procedures			demonstration	CC, L							
S 03	F.U6	performs the clinical examination of breasts, lymph nodes, the thyroid gland and abdomen, including the diagnosis of acute abdomen and digital rectal examination			demonstration	CC, L							



S 04	F.U9	is able to control external and internal bleeding	demonstration	CC, L
<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: 5 Skills: 4</p>				
Student's amount of work (balance of ECTS points)				
Student's workload (class participation, activity, preparation, etc.)			Student Workload (h)	
1. Contact hours:			103	
2. Student's own work (self-study):			30	
Total student's workload			133	
ECTS points for module/course			5.5	
Comments				
<p>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)</p>				
<p>Lectures</p> <p>Winter semester</p> <p>2nd Department of General and Oncological Surgery</p> <ol style="list-style-type: none"> 1. Early and advanced gastric cancer 2. Cancer of the pancreatoduodenal area 3. Surgical tools 4. The role of nutrition in surgery 5. Colorectal and anal cancer – surgical treatment, traditional and laparoscopic 6. Cancer of the gallbladder and bile ducts; malignant tumours of the liver 7. Benign breast diseases 8. Palliative surgical procedures <p>Department of Surgical Didactics</p> <ol style="list-style-type: none"> 1. Esophageal cancer 2. Reconstructive surgery of the esophagus <p>Summer semester</p> <p>2nd Department of General and Oncological Surgery</p> <ol style="list-style-type: none"> 1. Perioperative care and ERAS 2. Management of an emergency surgical patient. Polytrauma. 3. Qualifying and preparing the patient for elective surgical procedures. Accompanying diseases and surgery. 4. Pilonidal cyst. Working in an outpatient surgical clinic. 				



5. Rare abdominal hernias
6. Parathyroid surgery
7. Legal and ethical aspects of surgery (informed consent, confidentiality, terminal condition, organ donors, legal complaints)
8. Medical documents in surgery

Department of Surgical Didactics

1. Gastroesophageal reflux disease (GERD)
2. Dysphagia

Seminars

Not applicable

Practical classes

Winter semester

2nd Department of General and Oncological Surgery

1. Gastric cancer: principles of surgical treatment and postoperative care. Early gastric cancer as compared with advanced tumours.
2. Ileus and obstruction of the gastrointestinal tract. Ostomies. Malignant colorectal tumours.
3. Cancers of the pancreas, gallbladder and bile ducts: clinical picture, diagnosis, possibilities of surgical treatment in early and advanced stages, radical and palliative procedures.
4. Surgical treatment of breast cancer: types of tumours, staging, screening examination, diagnosis, principles of surgical and adjuvant treatment.
5. Acute abdomen. Principles of treatment of diffuse peritonitis: elimination of the source of infection, treatment of multiple organ failure, indications for the "open abdomen" method.

Department of Surgical Didactics

1. Esophageal cancer: clinical picture, diagnosis, options of surgical treatment in early and advanced stages.
2. Modern diagnostic and therapeutic standards in biliary diseases.
3. Non-neoplastic surgical pancreatic diseases: diagnostic and therapeutic management.

Summer semester

2nd Department of General and Oncological Surgery

1. Bleeding from the upper and lower gastrointestinal tract: principles of diagnosis and options of treatment.
2. Minimally invasive abdominal surgery: principles of laparoscopic and endoscopic techniques, types of common laparoscopic procedures, qualification of patients, laparoscopic tools.
3. Abdominal trauma: types of injuries, strategy of management, indications and principles of emergency surgical treatment.
4. Surgery of the spleen: indications, surgical technique, postoperative care.
5. Abdominal hernias: elective and emergency surgical treatment. Test in surgery (training for future exams.)



Department of Surgical Didactics

1. Diagnosis and treatment of inflammatory bowel diseases.
2. Gastrointestinal stromal tumours: principles of diagnosis and treatment.
3. Anorectal diseases: conservative and surgical management.

Other

Not applicable

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

1. Garden O.J. (Ed.): Principles and practice of surgery. Davidson series. Churchill Livingstone 2012
2. Lawrence P.F. (Ed.): Essentials of Surgery. Williams and Wilkins 1992
3. Kontoyannis A., Sweetland H.: Surgery. Crash Course. Mosby 2008

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

1. Zollinger R.M.: Zollinger's Atlas of Surgical Operations. McGraw-Hill Education/Medical 2016

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

Computer, multimedia projector

Preliminary conditions (minimum requirements to be met by the student before starting the module/course)

Knowledge of anatomy and physiology, skills in taking medical history and performing physical examination. Completed course of Surgery (1) during 4th year of studies.

Conditions to receive credit for the course (specify the form, criteria 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).

Each absence must be made up, including rector's days or dean's hours.

Grade:	Criteria for course
Very Good (5.0)	The student knows, understands and explains extensively the pathomechanisms, diagnosis and treatment of all the discussed diseases, including all surgical aspects. The student takes medical history and performs physical examination of the given patient, documents it entirely 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 topics. The student takes medical history and performs physical examination of the given patient, documents it correctly in writing, proposes a possible diagnosis and tests needed to establish it, suggests the adequate method of surgical treatment and explains its main idea.
Good (4.0)	The student knows, understands and explains more than 75% of the discussed theoretical topics. The student takes medical history and performs physical examination of the given patient, documents it correctly in writing, proposes a possible 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 topics. The student takes medical history and performs physical examination of the given patient, documents it acceptably in writing, proposes a possible diagnosis and tests needed to establish it, suggests a generally accepted method of surgical treatment.
Satisfactory (3.0)	The student knows, understands and explains more than 50% of the discussed theoretical topics. The student takes medical history and performs physical examination of the given patient, documents it acceptably in writing, proposes a possible diagnosis, suggests a generally accepted method of surgical treatment.
Grade:	
Criteria for exam (if applicable)	
Very Good (5.0)	Not applicable
Good Plus (4.5)	
Good (4.0)	
Satisfactory Plus (3.5)	
Satisfactory (3.0)	

Name of unit teaching course:	2nd Department of General and Oncological Surgery
Address	Borowska 213, Wrocław (USK)
Phone	71 7343500
E-mail	renata.mroz@umed.wroc.pl

Person responsible for course:	Professor Wojciech Kielan, MD PhD
Phone	71 7343500
E-mail	renata.mroz@umed.wroc.pl




<i>List of persons conducting specific classes:</i>	<i>degree/scientific or professional title</i>	<i>Discipline</i>	<i>Performer profession</i>	<i>Form of classes</i>
2nd Department of General and Oncological Surgery				
Renata Taboła	MD, PhD, Assistant Professor	medicine - surgery	physician; u.t.	CC
Grzegorz Marek	MD, PhD	medicine - surgery	physician; u.t.	CC
Adam Skalski	MD, PhD	medicine - surgery	physician; u.t.	CC, L
Agata Diakun	MD	medicine - surgery	physician; u.t.	CC
Wojciech Hap	MD	medicine - surgery	physician; u.t.	CC
Krzysztof Kurnol	MD	medicine - surgery	physician; u.t.	CC
Department of Surgical Didactics				
Katarzyna Augoff	MD, PhD, Assistant Professor	medicine - surgery	physician; u.t.	CC, L
Romualda Wojczyns	MD, PhD	medicine - surgery	physician; u.t.	CC, L
Dorota Pawelka	MD, PhD	medicine - surgery	physician; u.t.	CC
Bartłomiej Czaplą	MD	medicine - surgery	v physician; u.t.	CC
Bartłomiej Knychalski	MD	medicine - surgery	physician; u.t.	CC
Michał Aporowicz	MD	medicine - surgery	physician; u.t.	CC

Date of Syllabus development

15 July 2019

Syllabus developed by

Professor Wojciech Kielan, MD, PhD;
Adam Skalski MD, PhD

Signature of Faculty Dean

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

Signature of Head of teaching unit

 II KATEDRA I KLINIKA
 CHIRURGII OGÓLNEJ
 I CHIRURGII ONKOLOGICZNEJ
 kierownik
 prof. dr.hab. Wojciech Kielan

