



Uniwersytet Medyczny we Wrocławiu II KATEDRA I KLINIKA CHIRURGII OGÓLNEJ I CHIRURGII ONKOLOGICZNEJ ul. Borowska 213, 50-430 Wrocław tel. 71 734 35 00, faks: 71 734 35 09		Syllabus for academic year: 2021/2022 Training cycle: 2017/2018 – 2022/2023											
Description of the course		Group of detailed education results											
Course	SURGERY (2)	Group code	F										
		Group name	Interventional clinical sciences										
Faculty	Faculty of Medicine												
Major	medicine												
Level of studies	<input checked="" type="checkbox"/> uniform magister studies <input type="checkbox"/> 1 st degree studies <input type="checkbox"/> 2 nd degree studies <input type="checkbox"/> 3 rd degree studies <input type="checkbox"/> postgraduate studies												
Form of studies	<input checked="" type="checkbox"/> full-time <input type="checkbox"/> part-time												
Year of studies	5	Semester:	<input checked="" type="checkbox"/> winter <input checked="" type="checkbox"/> summer										
Type of course	<input checked="" type="checkbox"/> obligatory <input type="checkbox"/> limited choice <input type="checkbox"/> free choice / optional												
Language of study	<input type="checkbox"/> Polish <input checked="" type="checkbox"/> 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:													
2 Dep. of General Surgery and Surgical Oncology (Dep. in charge of the course)													
Direct (contact) education ¹					18								
Distance learning ²	20												
Dep. of Surgical Didactics (Dep. in charge of the course)													
Direct (contact) education ³							12						

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

² Education with applied methods and techniques for distance learning

³ Education conducted with direct participation of university teachers or other academics



Distance learning ⁴	5													
Summer semester:														
2 Dep. of General Surgery and Surgical Oncology (Dep. in charge of the course)														
Direct (contact) education ⁵					18									
Distance learning ⁶	20													
Dep. of Surgical Didactics (Dep. in charge of the course)														
Direct (contact) education							12							
Distance learning	5													
TOTAL per year:														
2 Dep. of General Surgery and Surgical Oncology (Dep. in charge of the course)														
Direct (contact) education ⁷					36									
Distance learning ⁸	40													
Dep. of Surgical Didactics (Dep. in charge of the course)														
Direct (contact) education							24							
Distance learning	10													
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 malignant tumours.</p> <p>C4. To make the student familiar with the basic principles of laparoscopic surgical technique.</p> <p>C5. Development social competences needed to practice the medical profession, in accordance with graduate's profile.</p>														
Education result for course in relation to verification methods of the intended education result and the type of class:														
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.	the selected issues in paediatric surgery, including traumatology and otorhinolaryngology, as well as defects and acquired diseases that are indications for surgical treatment in children;						oral response, case analysis, test			CC, CSC, LE				

⁴ Education with applied methods and techniques for distance learning

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⁸ Education with applied methods and techniques for distance learning



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 response, case analysis, test	CC, CSC, LE
F.W4.	the principles of perioperative safety, preparing the patient for surgery, administering general and local anaesthesia and controlled sedation;	oral response, case analysis, test	CC, LE
F.W5.	the postoperative treatment with pain therapy and postoperative monitoring;	oral response, case analysis, test	CC, LE
F.W10.	the issues surrounding the use of contemporary imaging examinations, in particular: the radiological symptomatology of the principal diseases, the instrumental methods and imaging techniques used to perform medical procedures, the indications, contraindications and preparation of the patient for particular types of imaging examination and contraindications to the use of contrast agents;	oral response, case analysis, test	CC, CSC, LE
E.U1.	conduct anamnesis with an adult patient;	practical test, oral response	CC, CSC
E.U3.	conduct a complete and focused physical examination of an adult patient;	practical test, oral response	CC, CSC
E.U20.	qualify the patient for home and hospital treatment;	practical test, oral response	CC, CSC
E.U25.	administer nutritional treatment, including enteral and parenteral nutrition;	practical test, oral response	CC, LE
E.U36.	deal with injuries (apply a dressing or immobiliser, dress and stitch up a wound);	practical test, oral response	CC, CSC, LE
E.U38.	maintain patient medical records.	practical test, oral response	CC, CSC
F.U2.	use basic surgical instruments;	practical test, oral response	CC, LE
F.U3.	comply with the principles of asepsis and antisepsis;	practical test, oral response	CC
F.U4.	dress a simple wound, apply and change a sterile surgical dressing;	practical test, oral response	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;	practical test, oral response	CC
F.U9.	treat external bleeding;	practical test, oral response	CSC
* 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:		60	
2. Number of hours of distance learning:		50	



3. Number of hours of student's own work:	30
4. Number of hours of directed self-study	n/a
Total student's workload	140
ECTS points for course	5,0
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	
Winter semester - 2nd Department of General Surgery and Surgical Oncology	
<ol style="list-style-type: none"> 1. Preparing the patient for elective surgical procedures (2 hours) 2. Perioperative care and ERAS (2 hours) 3. Surgical tools (2 hours) 4. The role of nutrition in surgery (2 hours) 5. Modern diagnostics in general and oncological surgery (2 hours) 6. Surgical sutures (2 hours) 7. Colorectal and anal cancer – surgical treatment, traditional and laparoscopic (2 hours) 8. Primary and secondary tumors of the liver (2 hours) 9. Palliative surgical procedures (2 hours) 10. Colostomy and ileostomy: surgical technique and ostomy care (2 hours) 	
Winter semester - Department of Surgical Didactics	
<ol style="list-style-type: none"> 1. Gastroesophageal reflux disease (GERD) (3 hours) 2. Dysphagia (2 hours) 	
Summer semester - 2nd Department of General Surgery and Surgical Oncology	
<ol style="list-style-type: none"> 1. Rare abdominal hernias (3 hours) 2. Surgery of the spleen (2 hours) 3. Cancer of the stomach and esophagogastric junction (3 hours) 4. Cancer of the pancreatoduodenal area (2 hours) 5. Parathyroid surgery (3 hours) 6. Typical complications of surgical operations (2 hours) 7. Pilonidal cyst (2 hours) 8. Polytrauma (3 hours) 	
Summer semester - Department of Surgical Didactics	
<ol style="list-style-type: none"> 1. Esophageal cancer (3 hours) 2. Reconstructive surgery of the esophagus (2 hours) 	
Seminars - N/A	
Classes	
Winter semester - 2nd Department of General Surgery and Surgical Oncology (CC - clinical classes)	
<ol style="list-style-type: none"> 1. Bleeding from the upper and lower gastrointestinal tract: diagnosis and options of treatment. (4 hours) 2. Acute abdomen. Treatment of diffuse peritonitis: elimination of the source of infection, treatment of multiple organ failure, "open abdomen" method. (3 hours) 	



3. Management of diffuse peritonitis: elimination of the source, treatment of MOF, "open abdomen" (4 hours)
4. Abdominal trauma: types of injuries, strategy of management, principles of emergency surgical treatment. (3 hours)
5. Ileus and obstruction of the gastrointestinal tract. (4hours)

Winter semester - Department of Surgical Didactics (CSC - classes in simulated conditions)

1. Esophageal cancer: diagnosis and treatment. (Direct education, 3 hours)
2. Modern diagnostic and therapeutic standards in biliary diseases. (Distant learning, 3 hours)
3. Non-neoplastic surgical pancreatic diseases: diagnostic and therapeutic management. (Distant learning, 3 hours)
4. Out-patient surgery: range of procedures and their principles. (Direct education, 3 hours)

Summer semester - 2nd Department of General Surgery and Surgical Oncology (CC - clinical classes)

1. Minimally invasive abdominal surgery: laparoscopic technique and tools, types of common laparoscopic procedures. (4 hours)
2. Abdominal hernias: elective and emergency surgical treatment. (3 hours)
3. Gastric cancer: principles of surgical treatment and postoperative care. Early gastric cancer as compared with advanced tumours. (4 hours)
4. Cancers of the pancreas, gallbladder and bile ducts: diagnosis and surgical treatment. (3 hours)
5. Colorectal cancer: diagnosis and treatment. (4 hours)

Summer semester - Department of Surgical Didactics (CSC - classes in simulated conditions)

1. Diagnosis and treatment of inflammatory bowel diseases. (Direct education, 3 hours)
2. Gastrointestinal stromal tumours. (Distant learning, 3 hours)
3. Anorectal diseases: conservative and surgical management. (Distant learning, 3 hours)
4. Bedsores: prophylaxis and treatment. (Direct education, 3 hours)

Other - N/A

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

Preliminary conditions: (minimum requirements to be met by the student before starting the 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 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 necessary condition is passing the semestral test with a score of at least 60 %.



Each absence must be made up for, including rector's days or dean's hours.
Lectures are obligatory (online).
Credits and exams are taken either in personal contact with the academic teacher or with the use of means of electronical communication.

Grade:	Criteria for courses ending with a grade ⁹
Very Good (5.0)	Test - score 100%
Good Above (4.5)	Test - score at least 90%
Good (4.0)	Test - score at least 80%
Satisfactory Plus (3.5)	Test - score at least 70%
Satisfactory (3.0)	Test - score at least 60% 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.
	Criteria for courses ending with a credit ³
Credit	N/A

Grade:	Criteria for exam ³
Very Good (5.0)	N/A
Good Above (4.5)	
Good (4.0)	
Satisfactory Plus (3.5)	
Satisfactory (3.0)	

Department in charge of the course:	2nd Department of General Surgery and Surgical Oncology
Department address:	Borowska 213, Wrocław (USK)
Telephone:	+48 717343500
E-Mail:	renata.mroz@umw.edu.pl

Person in charge for the course:	Professor Wojciech Kielan, MD PhD FACS
Telephone:	+48 717343500
E-Mail:	wojciech.kielan@umw.edu.pl

List of persons conducting specific classes:

Name and surname	Degree/scientific or professional title	Discipline	Performed profession	Form of classes
2 Dep. of General Surgery and Surgical Oncology				
Adam Skalski	MD, PhD	medical sciences	physician	CC, LE
Grzegorz Marek	MD, PhD	medical sciences	physician	CC
Krzysztof Kurnol	MD	medical sciences	physician	CC
Agata Diakun	MD	medical sciences	physician	CC

⁹ The verification must cover all education results, which are realized in all form of classes within the course



Department of Surgical Didactics				
Katarzyna Augoff	MD, PhD, Professor	medical sciences	physician	CSC
Michał Geneja	MD, PhD	medical sciences	physician	CSC
Romualda Wojczys	MD, PhD	medical sciences	physician	CSC
Michał Aporowicz	MD	medical sciences	physician	CSC, LE
Bartłomiej Czaplą	MD	medical sciences	physician	CSC

Date of Syllabus development

10 September, 2021

Syllabus developed by

Wojciech Kielan, MD PhD FACS


Adam Skalski, MD PhD

Dean's signature

.....Wrocław Medical University..
Faculty of Medicine
Vice-Dean for English Studies

prof. Beata Szmielewska, PhD

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

Uniwersytet Medyczny we Wrocławiu
II KATEDRA KLINIKA
.....CHIRURGII OGÓLNEJ.....
I CHIRURGII ONKOLOGICZNEJ
kierownik

prof. dr hab. Wojciech Kielan

