

Syllabus of the training module at the university level

1	Name of the Faculty	Faculty of Medicine Jagiellonian University Medical College Św. Anny 12, 31-008 Kraków
2	Name of the unit responsible for conducting this module (Course homepage)	II Katedra Chirurgii, UJ CM II Department of Surgery, UJ CM https://czerwonachirurgia.cm-uj.krakow.pl/
3	Name of the module	Surgery 1/3
4	Module code	WL-L3.Chir.I
5	Erasmus / ISCED:	0912
	ECTS credits allocated	6
6	Language:	English
7	Educational goals	<p>F.W1. knows and understands the causes, symptoms, principles of diagnosis and therapeutic management in relation to the most common diseases requiring surgical intervention, taking into account the distinctiveness of childhood, including in particular:</p> <ul style="list-style-type: none"> a) acute and chronic diseases of the abdominal cavity b) diseases of the limbs and head c) diseases of the heart and blood vessels of the heart <p>F.W3. knows the principles of qualification and performance of basic surgical procedures and invasive diagnostic and therapeutic procedures</p> <p>F.W4. knows the principles of perioperative safety, patient preparation for surgery, general and local anesthesia and controlled sedation</p> <p>F.W18. knows and is able to explain to the other person what the qualification rules are, what they consist of, how they proceed and what are the possible complications and consequences of surgical procedures:</p> <ul style="list-style-type: none"> a) removal of the appendix, gallbladder b) excision of the thyroid, parathyroid and adrenal glands c) excision of a part and the whole of the stomach, large intestine d) abdominal hernias with the use of synthetic meshes e) surgical treatment of obesity <p>F.W19. knows the rules of qualification, knows what they are, how they proceed and what are the possible consequences and complications of the following procedures:</p> <ul style="list-style-type: none"> a) percutaneous and intraductal ultrasound of the abdominal organs b) endoscopic diagnostic and therapeutic procedures of the gastrointestinal tract
8	Learning outcomes for the module	<p>Learning outcomes to be achieved after the FIRST semester of classes</p> <p>In terms of knowledge:</p> <ul style="list-style-type: none"> • Can list the most important elements of the subjective and physical examination of the abdominal cavity • Name and distinguish types of wounds. Knows the basic rules of dealing with a clean, dirty, infected wound. Can adjust the dressing and treatment to the wound he is dealing with • Can list types of abdominal hernias, propose diagnostics and treatment • Can recognize the symptoms of hypovolemic shock, propose diagnostics and treatment. • Can write down basic types of drip infusions, knows guidelines for supplementing electrolyte deficiencies. • Knows the guidelines for transfusion of blood preparations (Red Blood Cell Concentrate and Fresh Frozen Plasma).

		<ul style="list-style-type: none"> • Can list the most common thyroid diseases (nodular goiter, hyperactive goiter, • Thyroid cancer) , propose diagnostics and treatment, knows the indications for surgical treatment of these diseases • Can interpret the basic elements of surgical documentation (card febrile, fluid balance) <p>In terms of skills:</p> <ul style="list-style-type: none"> • Can properly conduct a subjective and physical examination of a patient with acute appendicitis, cholecystitis, gastrointestinal obstruction, acute pancreatitis and gastrointestinal perforation • Knows the theoretical basis of per rectum research • Can properly conduct an examination of abdominal hernias • Can properly conduct a subjective and physical examination of a patient with thyroid diseases • Can perform surgical washing and disinfection of hands • Can wear gloves "barren" • Can put on and remove basic types of surgical sutures <p>In the field of social competences:</p> <ul style="list-style-type: none"> • Cooperation in the medical team • Cooperation in the medical and nursing team • Conversation with the patient, ability to collect and detail the medical history <p>Learning outcomes to be achieved after the SECOND semester of classes:</p> <p>In the field of knowledge:</p> <ul style="list-style-type: none"> • Can define, administer symptoms and propose diagnostics of "acute abdomen" • Can administer symptomatology, diagnostics, procedures and complications in the following disease entities: acute appendicitis, cholecystitis, gastrointestinal obstruction, acute pancreatitis, gastrointestinal perforation, gastrointestinal perforation, diverticulitis colon, acute mesenteric artery ischemia, cholangitis • Can give causes, symptomatology, diagnosis and treatment of bleeding from upper and lower gastrointestinal tract • Can list non-surgical causes of "acute abdomen" <p>In terms of skills:</p> <ul style="list-style-type: none"> • Withdraw informed consent for surgery • Change the patient's dressing correctly after abdominal surgery • Remove drain from the abdominal cavity • Distinguish between basic types of drains and catheters • Can insert a catheter into the bladder, a probe into the stomach • Knows the indications and procedure for the establishment of the Sengstaken-Blakemore probe <p>In the field of social competences:</p> <ul style="list-style-type: none"> • cooperation in a medical team • cooperation in the medical and nursing team
9	Type of module (mandatory/facultative)	mandatory
10	Year of study	3-6
11	Semester	IV and V
12	Name of the coordinator(s) responsible for the module	Marcin Dembiński , Michał Nowakowski , Michał Pędziwiatr , Wiesław Pyrczak , Mateusz Rubinkiewicz

13	Name of the person examining or granting credit if it is not the person conducting the module	
14	Methods of performance	
15	Initial and additional requirements	
16	Type and number of class hours that require direct involvement both teach and students, when such activities are provided for the module	<p>Number of hours: 130 hours, including:</p> <ul style="list-style-type: none"> - General Surgery – 46 hours (10 days) I and II semester - Paediatric Surgery – 15 hours (3 days) II semester - Neurosurgery – 10 hours (2 days) II semester - Cardiac Surgery – - Vascular Surgery – 14 hours (3 days) II semester - Maxillofacial Surgery – 5 hours (1 day) II semester - Surgical anatomy – 20 hours (4 days) II semester - Surgical pathology 10 hours (2 days) II semester - Laboratory teaching of clinical skills — 10 hours (2 days) II semester
17	Balance of ECTS points	<p>Semester 1 (propedeutics of surgery)</p> <ul style="list-style-type: none"> - propedeutics of surgery - 25 hours (5 days): - exercises - 15 hours - seminars - 10 hours - laboratory teaching of surgical skills - 10 hours (2 days) - biochemistry - 5 hours (1 day) <p>Seminar topics:</p> <ul style="list-style-type: none"> a) Rules for the examination of surgical patients (2h) b) Composition and structure of the system (1.5h) c) Shock (2h) d) Hernias (1,5h) e) Types and treatment of wounds (1h) f) Diseases of the thyroid gland and parathyroid glands (2h) <p>Semester 2 (General Surgery)</p> <ul style="list-style-type: none"> - general surgery - 30 hours (5 days): exercises - 18 hours, seminars - 6 hours, lectures - 6 hours. - surgical pathology - 10 hours (2 days) - paediatric surgery - 20 hours (5 days) - chest surgery - 10 hours (2 days) - surgical anatomy - 20 hours (5 days) <p>Seminar topics:</p> <ul style="list-style-type: none"> a) acute abdomen - obstruction (2h) b) acute abdomen - peritonitis (2h) c) acute abdomen - bleeding up to pp. (2h) <p>Lectures: 6 hours of lectures (3 meetings at the end of the semester) including a repetition of the most important issues raised during the surgery course in the third year.</p> <p>Number of hours per academic year: 130</p>
19	Obligatory/recommended literature	<p>Supplementary literature:</p> <ol style="list-style-type: none"> 1. Surgery edited by T. Noszczyk, PZWL, Warsaw, 2015 2. Repetytorium z chirurgii edited by T. Noszczyk, PZWL, Warsaw, 2019, second edition
20	Additional information	<p>Regulations of surgery classes for students of the fourth year of the Faculty of Medicine of the Jagiellonian University Medical College in the 2020/21 academic year</p> <p>1. Surgery classes for individual groups are held at the 2nd Department of Surgery at the Jagiellonian University Medical College according to the division announced in the Study Plan and prepared by the Dean's Office of the Medical Faculty of the</p>

Jagiellonian University Medical College.

The surgical classes also include classes at the Department of Maxillofacial Surgery, classes at the Department of Vascular Heart Surgery and Transplantology, classes at the Department of Pediatric Surgery, and practical classes at the Department of Medical Didactics.

These classes take place in the relevant units of the Faculty of Medicine of the Jagiellonian University Medical College, supervision over their implementation, and the manner of organization, are carried out by the heads of individual Departments and Departments.

2. Surgery classes include exercises, seminars and lectures. Students are obliged to prepare for exercises and seminars and actively participate in them.

3. The number of hours of seminars, tutorials and lectures, and the hours in which classes are held, are determined by the study schedule.

4. Classes, seminars and lectures are held in groups, the size of which is specified in the Jagiellonian University Study Regulations.

5. Participation in exercises and seminars is obligatory. Absence on one training day is allowed. It is not allowed to be absent from the seminar. In a justified random situation, it is possible to pass the seminar at the assistant conducting a given seminar.

6. During exercises and seminars, students are required to wear a clean two-piece surgical suit of a color other than green and replacement shoes.

7. The credit for the exercises is made by an appropriate entry in the card documenting the classes, the coordinator of classes in a particular unit on the basis of participation in the classes, preparation of the student for the exercises and his work during the exercises.

8. Seminars are credited by the assistant who conducts the seminar through an appropriate entry in the book of surgical classes.

9. To pass the subject of surgery, it is necessary to pass exercises, seminars and a final credit.

10. After the end of the course, all students pass the test of the entire material from surgery for the fourth year

11. The decision on the threshold for passing the test is made each time by the surgery teaching coordinator, taking into account the results obtained by all students.

12. The decision on the form and date of the 2nd credit deadline is made by the course coordinator, taking into account the number of people who failed the written test.

13. The entry to be credited to USOS is made by the head of the 2nd Department of Surgery at the Jagiellonian University Medical College after meeting all the requirements specified in these regulations and meeting the conditions for obtaining a credit and submitting it to the secretariat of the 2nd Department of Surgery of the Jagiellonian University Medical College.

14. The completion of surgery classes for students receiving scholarships at foreign universities under the Socrates / Erasmus program is done by the Dean's Office of the Medical Faculty of the Jagiellonian University Medical College.

15. Any comments and problems related to the course of surgery classes should be reported to the teaching coordinators in individual units: II Department of Surgery, Jagiellonian University Medical College - Mr. dr hab. Michał Pędziwiatr, Department of Pediatric Surgery - Dr. Andrzej Zajac, Department of Heart Surgery, Vascular Surgery and Transplantology - Prof. dr hab. Roman Pfitzner, Department of Maxillofacial Surgery - Mrs. dr hab. Grażyna Wyszowska - Pawelec, Department of Medical Didactics - Dr. Tomasz Cegielný, next to Heads of Departments.

If it is not possible to solve the problem, please contact the Coordinator of Surgical Classes - Prof. dr hab. Michał Pędziwiatr (secretariat of the II Department of Surgery, Jagiellonian University Medical College, ul. Kopernika 21, tel. 12 424 82 00)

16. In disputes and not covered by these regulations, the decision is made by the coordinator of surgery classes - prof. dr hab. Michał Pędziwiatr or Dr. Mateusz Rubinkiewicz (secretariat of the II Department of Surgery of the Jagiellonian University Medical College, ul. Kopernika 21, phone no. 12 424 82 00)