



Syllabus for academic year: 2021/2022 Training cycle: 2018/2019 - 2023/2024													
Description of the course													
Course	Orthopedics and Traumatology							Group of detailed education results					
								Group code F.	Group name Clinical classes				
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	IV						Semester:	<input checked="" type="checkbox"/> winter <input 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:													
Chair and Clinic of Orthopedics and Traumatology													
Direct (contact) education ¹		10			40								
Distance learning ²	5												
Summer semester:													
..... (Dep. in charge of the course)													
Direct (contact) education													

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

² Education with applied methods and techniques for distance learning



Distance learning														
TOTAL per year:														
Chair and Clinic of: Orthopedics and Traumatology														
Direct (contact) education		10			40									
Distance learning	5													
Educational objectives (max. 6 items) C1. Familiarize students with the principles of diagnosis and treatment of disease within the musculoskeletal system, including childhood diseases C2. Familiarize students with the principles of diagnosis and treatment of the consequences of injuries within the musculoskeletal C3. Detailed familiarize students with the symptoms, diagnosis and principles of conduct in the ad hoc emergencies in orthopedics and traumatology C4. Familiarize students with the principles of immobilizing fractures in the extremities and control the safety of pinning C5. Development social competences needed to practice the medical profession, in accordance with graduate's profile.														
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.	He knows and understands the causes, symptoms, principles of diagnosis and therapeutic management in relation to the most common diseases requiring surgical intervention within the musculoskeletal system, including the separation of childhood, in particular: 1) Acute and chronic diseases of abdomen 2) Thoracic diseases 3) Diseases of limbs and head. 4) Bone fractures and injuries of organs				Test, Oral answer				L, SE, CC					
F.W2.	He knows selected issues of pediatric surgery, including traumatology and otolaryngology, defects and diseases that are acquired indication for surgical treatment in children				Test, Oral answer				L, SE, CC					
F.W3.	He knows the rules of eligibility, and the performance and the most frequent complications of basic surgeries and invasive diagnostic procedures and treatment;				Test, Oral answer				L, SE, CC					
F.W5.	He knows the treatment of post-operative analgesic therapy and postoperative monitoring				Test, Oral answer				L, SE, CC					
F.W10.	He knows the issues of today used imaging tests, in particular: a) the fundamental radiation symptomatology of diseases, b) instrumental methods and imaging techniques used to perform medical treatments.				Test, Oral answer				L, SE, CC					
E.U.38.	Knows how to correctly fill medical documentation				Student observation				CC					
F.U1.	Assists with typical surgery, prepare the surgical site and locally anesthetized the operated area				Student observation				CC					
F.U2.	Uses basic surgical instruments				Student observation				CC					
F.U3.	Apply the principles of aseptic and antiseptic				Student observation				CC					
F.U4.	Supplies a simple wound, it is assumed and changes sterile				Student observation				CC					



	surgical dressing		
F.U7.	Assesses the results of radiological research in the field of the most common types of fractures, especially fractures of the long bones	Student observation	CC
F.U8.	Performs temporary immobilization of a limb, selects the type of immobilization required for use in typical clinical situations and validate blood supply to the limbs after the founding of the dressing immobilizing	Student observation	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:		50	
2. Number of hours of distance learning:		5	
3. Number of hours of student's own work:		89	
4. Number of hours of directed self-study		n/a	
Total student's workload		144	
ECTS points for course		4,0	
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			
<u>Katedra i Klinika Ortopedii i Traumatologii Narządu Ruchu UM we Wrocławiu</u>			
1. Degenerative diseases of the locomotor system.			
2. Developmental dysplasia of the hip. Clubfoot and other malformations. Locomotor system diseases of adolescence.			
<u>Katedra Chirurgii Urazowej i Klinika Urazowej i Chirurgii Ręki UM we Wrocławiu</u>			
1. Epidemiology of injuries. Rules of conduct in the injuries of the musculoskeletal system.			
Seminars			
11. Orthopedics physical examination. Practical subjective and objective examination. (1 hour)			
2. Club foot and other birth limb defects. Childhood diseases. (1hour)			
3. Scoliosis			
4. Osteoarthritis (1 hour)			
5. Hip dysplasia (1 hour)			
6. Trauma epidemiology. Rules in trauma support. Politrauma, post traumatic shock. Classification of orthopedic injuries. Bone fracture healing. Fractures in children. (1 hour)			
7. Injury of the spine and pelvis. (1 hour)			
8. Upper limb and shoulder injury (1 hour)			
9. Injuries of lower limb. Knee injuries, intraarticular injuries, intraarticular fractures. (1 hour)			
10. Rules of diagnosis and treatment of peripheral nerve injuries. Hand trauma and treatment. (1 hour)			
Classes			
1. Orthopedic examination. Basic principles of subjective and objective examination of locomotory, according			



- to basics of biomechanics. Practical clinical examination with patients. (4 hours)
2. Developmental hip dysplasia, Pes equino-varus, other birth defects of limbs. Adolescent orthopedic diseases. (4 hours)
 3. Osteoarthritis (4 hours)
 4. Spine diseases. Spinal canal stenosis. Scoliosis. (4 hours)
 5. Basics of sport traumatology. Techniques of minimal invasive injury treatment. (4 hours)
 6. Trauma epidemiology. Rules in trauma support. Politrauma, post traumatic shock. Classification of orthopedic injuries. Bone fracture healing. Fractures in children. (4 hours)
 7. Spine and spinal cord trauma. Pelvic injuries. (4 hours)
 8. Injuries of upper limb and shoulder. (4 hours)
 9. Injuries of lower limb. Knee injuries, intraarticular injuries, intraarticular fractures. (4 hours)
 10. Rules of diagnosis and treatment of peripheral nerve injuries. Hand trauma and treatment. (4 hours)

Passing test containing materials from classes and seminars will be proceeded at last classes.

Other

- 1.
 - 2.
 - 3.
- ect.

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

1. Campbell's operative orthopaedics, 11 edition; S. Terry Canale & James H. Beaty, The C.V. Mosby Company, 2007.\
2. AO Principles of Fracture Management: Vol. 1: Principles, Vol. 2: Specific fractures 3rd edition by Thomas Rüedi, Richard E. Buckley; Christopher G. Moran, 2017.

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

- 1.
- 2.
- 3.

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

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)

Presence on classes as in terms of studies. Passing classes and seminars – passing test containing materials from classes and seminars (20 questions, single choice). Passing classes and seminars is obligatory for exam admission. Exam is single choice test (60 questions, 1 point each). Passing tests and exams are proceeded with direct teacher contact or with electronic communication.

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

Grade:	Criteria for courses ending with a grade ³
Very Good (5.0)	Presence on all classes as in terms of studies, passing test score 18 points
Good Above (4.5)	Presence on all classes as in terms of studies, passing test score 16-17 points
Good (4.0)	Presence on all classes as in terms of studies, passing test score 14-15 points
Satisfactory Plus (3.5)	Presence on all classes as in terms of studies, passing test score 12-13

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



	points
Satisfactory (3.0)	Presence on all classes as in terms of studies, passing test score 11 points
	Criteria for courses ending with a credit ³
Credit	

Grade:	Criteria for exam ³
Very Good (5.0)	56 – 60
Good Above (4.5)	51 – 55
Good (4.0)	44 - 50
Satisfactory Plus (3.5)	37 - 43
Satisfactory (3.0)	31-36

Department in charge of the course:	Chair and Clinic of Orthopedics and Traumatology, Wrocław Medical University
Department address:	ul. Borowska 213, 50-556 Wrocław
Telephone:	71 734 32 00
E-Mail:	s.dragan@umed.wroc.pl
Department in charge of the course:	Chair and Clinic of Traumatology and Hand Surgery, Wrocław Medical University
Department address:	ul. Borowska 213, 50-556 Wrocław
Telephone:	71 734-3800
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Person in charge for the course:	Prof. dr hab. Szymon Dragan, Prof. dr hab. Paweł Reichert
Telephone:	71 734 32 00, 71 734-3800
E-Mail:	s.dragan@umed.wroc.pl , chirurgaz@umed.wroc.pl

List of persons conducting specific classes:

Name and surname	Degree/scientific or professional title	Discipline	Performed profession	Form of classes
Szymon Dragan	prof. dr hab.	Medical science	physician; u.t.	CC
Szymon Łukasz Dragan	Dr hab n.med.	Medical science	physician; u.t.	CC
Łukasz Mucha	Lek.	Medical science	physician; u.t.	CC
Piotr Wodziński	Dr n.med.	Medical science	physician; u.t.	CC
Dariusz Brok	Lek.	Medical science	physician; u.t.	CC
Andrzej Wielgus	Lek.	Medical science	physician; u.t.	CC
Paweł Reichert	prof. dr hab.	Medical science	physician; u.t.	CC
Krzysztof Zimmer	Dr n.med.	Medical science	physician; u.t.	CC
Jarosław Witkowski	Dr n.med.	Medical science	physician; u.t.	CC
Krzysztof Korolczuk	Lek.	Medical science	physician; u.t.	CC
Piotr Pławski	Lek.	Medical science	physician; u.t.	CC



Jakub Wodzisławski	Lek.	Medical science	physician; u.t.	CC
Maciej Dejneka	Lek.	Medical science	physician; u.t.	CC

Date of Syllabus development

30.08.2021

Syllabus developed by

Dr hab. n med Szymon Dragan

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

we Wrocławiu
KATEDRA ORTOPEDI I TRAUMATOLOGII
NARZĄDÓW RUCHU
(Klinika Ortopedii i Traumatologii) *Szymon Dragan*
.....
prof. dr hab. Szymon Dragan

Dean's signature

Wrocław Medical University
Faculty of Medicine
Vice-Dean for English Studies
Beata Sobieszkańska
.....
prof. Beata Sobieszkańska, PhD