Załącznik nr 5 do zarządzenia nr 189/2025

COURSE SPECIFICATION

Course code: 0912-7LEK-C6.4-OiT
Course title in Polish: Ortopedia i traumatologia
Course title in English: Orthopedics and traumatology

1. Placement of the course within the study programme

1.1. Field of study	Medical
1.2. Mode of study	Full-time
1.3. Level of study	Uniform Master's studies
1.4. Profile of study	General academic
1.5. Course specification author	Dr hab. Jan Zabrzyński, prof. UJK
1.6. Contact	

2. Generał characteristics of the course

2.1. Language of instruction	English
2.2. Entry requirements	Anatomy, Physiology, General Surgery

3. Detailed characteristics of the course

3.1. Type of classes	**LECTURE : 15 (including 3 h of e-learning) , ĆLASSES 15, PRACTICAL CLASSES - 25**
3.2. Place of course delivery	Lecture – Courses in the didactic classes of JKU classes- The Department of Orthopaedics in Regional Hospital in Kielce (WSzZ)
3.3. Form of assessment	**LECTURE – E, ĆLASSES – Credit with grade,** Lectures are mandatory in accordance with Chapter III, §7, subsection 3, point 2.
3.4. Teaching methods	seminar lecture, discussion, case study in natural conditions.
3.5.a. Basic reading list	1. Apley's System of Orthopaedics and Fractures, 9th Edition, Louis Soloman, David Warwick, Selvadural Nayagam, Oxford University Press, 2010; 2. Fundamentals of Pediatric Orthopedics, 4th Edition, Lynn T. Staheli, Lippnicott Williams & Wilkins, Philadelphia, a. 2008; 3. Cambell's Operative Orthopaedics by S. Terry Canale and James Beaty, Mosby, Philadelphia, 2007;
3.5.b. Supplementary reading list	

4. Objectives, content and learning outcomes

4.1. Course objectives (taking into account the form of classes)
Lectures (including e-learning)

C1 Gathering the knowledge on the specifitity of Orthopaedics.

C2 Preapring to the work on the orthopaedic ward. Learnning to diagnose and treat orthopaedic patients.

C3 Creating proper attitute of the doctor towards the orthopaedic patients.

4.2. Course content (taking into count the form of classes)

Lecture

1. The history of world and polish orthopaedics.
2. General characteristics of fractures and luxations.
3. Radiologic diagnostics of the musculoskeletal system.
4. The most common injuries of pelvis and lower limb.
5. Characteristics of pediatric fractures and injuries.
6. Spine trauma
7. Disorders of bone metabolism.
8. Overuse syndromes of soft tissues.
9. Pain disorders of the spine.
10. Deformities of the feet.
11. Primary and metastatic tumors of the musculoskeletal system.
12. Hip dysplasia.
13. Plastic surgery, hand surgery and recostructive surgery.
14. Equipment of Orthopaedic management (casts,soft cast , braces).
15. Arthritis and treatment of promary arthritis
16. Basics of rehabilitation in orthopaedics.
17. Management of injuries in children with the main focus on brain, spleen, liver and kidneys. The role of MD in conservative treatment.
18. The discrepencies of orthopaedic management and evaluation in children and adults.
19. Orthopaedic oncology,

Classes

1. Orthopaedic examination.
2. Emergency procedures in traumatology.
3. The most frequent injuries of the lower limb.
4. Orthopaedic procedures, orthopaedic instrumentarium.
5. Pediatric orthopaedics (fractures and luxations) diagnostic procedures, treatment options and rehabilitation.
6. Participation in Orthopaedic surgeries.

4.3. Course learning outcomes

Course learning outcomes (code)	Upon completion of the course, the student	Alignment with programme learning outcomes
	in the area of knowledge:	
W01	knows and understand the causes, symptoms, principles of diagnosis and therapeutic management in relation to the most common diseases requiring surgical intervention, taking into account the individuality of childhood, in particular: a) acute and chronic diseases of the abdominal cavity, b) diseases of the chest, c) diseases of limbs and head, d) bone fractures and injuries of organs;	F.W1.
W02	knows selected issues of pediatric surgery including traumatology and otorhinolaryngology, defects and acquired diseases being an indication for surgical treatment in children;	F.W2.
W03	knows eligibility rules as well as basic and most common complications of surgery and other invasive diagnostic and treatment procedures;	F.W3.
W04	knows postoperative treatment and analgesic therapy as well as post-operative monitoring;	F.W5.
W05	knows the issues concerning modern imaging tests, in particular: a) basic radiological symptomatology of diseases, b) instrumental methods and imaging techniques used to perform medical treatments, c) the indications, contraindications and preparation of patients to particular types of imaging tests and contraindications the use of contrast agents;	F.W10.
	in the area of skills:	
U01	assesses patient's general condition, consciousness and awareness;	E.U7.
U02.	performs differential diagnosis of the most common diseases in adults and children;	E.U12.
U03	assesses and describes the somatic and mental state of patients;	E.U13.
U04.	recognizes states of a direct threat to life;	E.U14.
U05.	recognizes when a patient is under the influence of alcohol, drugs and other addictive products;	E.U15.
U06.	plans diagnostic, therapeutic and preventive procedures;	E.U16.
U07.	conducts analysis of the potential side effects of each drug and the interaction between them;	E.U17.
U08.	qualifies the patient for home treatment and hospitalization;	E.U20.
U09.	defines states in which functional status of the patient's or his/her preferences restrict the treatment in accordance with specific guidelines for the disease;	E.U21.
U10.	interprets laboratory tests/results and identifies the reasons for deviations;	E.U24.
U11.	plans specialist consultations;	E.U32.
U12	evaluates decubitus and applies appropriate dressings;	E.U35.
U13.	acts correctly in the case of injuries (uses dressing or immobilization, stictches the wound);	E.U36.
U14	assists during a typical surgery, prepares the surgical site and locally anesthetizes operated area;	F.U1.
U15.	complies with the aseptic and antiseptic rules;	F.U3.
U16	manages simple wounds and changes sterile surgical dressing;	F.U4.
U18	assesses radiological test result in terms of the most common types of fractures, especially fractures of long bones;	F.U7.
U19.	performs temporary immobilization of a limb, selects the type of immobilization necessary for use in typical clinical situations and checks blood supply to the limbs after using the cast;	F.U8.
U01	assesses patient's general condition, consciousness and awareness;	E.U7.
	in the area of social competences:	
K01	establish and maintain deep and respectful contact with the patient and show understanding towards ideological and cultural differences;	H.S1.
K02	do what is right for the patient;	H.S2.
K03	respect medical confidentiality and patient's rights;	H.S3.
K04	take actions concerning the patient on the basis of ethical principles, being aware of social conditions and restrictions resulting from illness;	H.S4.
K05	recognize his/her own limitations and self-evaluate educational deficiencies and	H.S5.

	needs;	
K06	promote healthy lifestyle;	H.S6.
K07	use reliable information sources;	H.S7.
K08	conclude on the basis of own surveys and observations;	H.S8.
K09	introduce rules of social conduct and teamwork to the group of specialists, including specialists form other medical professions also in the multicultural and multinational environment;	H.S9.
K10	give opinions concerning various aspects of professional activity;	H.S10.
K11	take responsibility for own decisions made during professional activities including own safety and safety of other people;	H.S11.

4.4. Assessment methods for learning outcomes

Assessment method (+/-)

Course learning outcomes (code)	Oral/written/ practical examinaion /other (specify)*	Test*	Project*	In-class activity*	Independent study*	Group work*	Other (specify)*

Type of classes

1: / 2:	L	S	…	L	S	…	L	S	…	L	S	…	L	S	…	L	S	…	L	S	…
W01	+																				
W02	+																				
W03	+																				
W04	+																				
W05	+																				
U01-U19	+																				
K01-K11	+																				

Annotation. 1: form of classes; 2: learning outcomes

4.5. Assessment criteria for learning outcomes

Type of classes:

LECTURE (L) (including classes conducted with the use of distance learning methods and techniques)

Grade	Assessment criteria
3,0	61-68% Basic understandings of the programme, hints are necessary to answer the question.
3,5	69-76% Basic understandings of the programme, hints are necessary to answer the question.
4,0	77-84% Basic understandings of the programme. Stundet presents independent, well- formed aswers
4,5	85-92% The level of gathered knowledge exceeds the basics. Student is able to answer the questions and proceed in complex situations. Student in aquainted with optional literature.
5,0	93-100% The level of gathered knowledge exceeds the basics. Student is able to answer and proceed using independently gathered knowledge (scientific publications).

Type of classes:

SEMINAR (S) (including classes conducted with the use of distance learning methods and techniques)

Grade	Assessment criteria
3,0	61-68% Basic understandings of the programme, chaotic answers, hints are necessary to answer the question. .

3,5	69-76% Basic understandings of the programme, hints are necessary to answer the question.
4,0	77-84% Basic understandings of the programme. Stundet presents independent, well- formed aswers
4,5	85-92% The level of gathered knowledge exceeds the basics. Student is able to answer the questions and proceed in complex situations. Student in aquainted with optional literature.
5,0	93-100% The level of gathered knowledge exceeds the basics. Student is able to answer and proceed using independently gathered knowledge (scientific publications).

Type of classes:

OTHER (...) (including classes conducted with the use of distance learning methods and techniques)

Grade	Assessment criteria
3,0	61-68% Basic understandings of the programme, chaotic answers, hints are necessary to answer the question.
3,5	69-76% Basic understandings of the programme, hints are necessary to answer the question.
4,0	77-84% Basic understandings of the programme. Student presents independent, well- formed aswers
4,5	85-92% The level of gathered knowledge exceeds the basics. Student is able to answer the questions and proceed in complex situations. Student in aquainted with optional literature.
5,0	93-100% The level of gathered knowledge exceeds the basics. Student is able to answer and proceed using independently gathered knowledge (scientific publications).

5. ECTS credit allocation – student workload

Category	Student workload (full-time mode)
NUMBER OF HOURS WITH THE DIRECT PARTICIPATION OF THE TEACHER (CONTACT HOURS)	**55**
Participation in lectures*	**15**
Participation in seminars/laboratories*	**40**
Other (specify) e.g. classes conducted with the use of distance learning methods and techniques*	
INDEPENDENT STUDY (NON-CONTACT HOURS)	**20**
Preparation for lectures*	**10**
Preparation for seminars/laboratories*	
Preparation for examination/test*	
Gathering materials for project, online research*	
Preparation of a multimedia presentation*	
Other (specify)*	
TOTAL HOURS	**75**
ECTS CREDITS for the course	**3**

4* delete as appropriate

Approved for implementation (date and legible signatures of course instructors in the given academic year):

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