

DESCRIPTION OF THE COURSE OF STUDY

Course code	0912.7.LEK.D.SCI	
Name of the course in	Polish	Strukturalne podstawy interwencji sercowo-naczyniowych
	English	Structural basics of cardiovascular interventions

1. LOCATION OF THE COURSE OF STUDY WITHIN THE SYSTEM OF STUDIES

1.1. Field of study	Medicine
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. Person preparing the course description	dr hab. n. med. Marcin Sadowski, prof. UJK
1.6. Contact	msadowski@ujk.edu.pl

2. GENERAL CHARACTERISTICS OF THE COURSE OF STUDY

2.1. Language of instruction	English
2.2. Prerequisites*	basic knowledge of cardiovascular anatomy according to the mandatory course

3. DETAILED CHARACTERISTICS OF THE COURSE OF STUDY

3.1. Form of classes	Lecture – 15 h (10 h in the form of e-learning)
3.2. Place of classes	Teaching rooms of the Faculty
3.3. Form of assessment	Credit with grade Credit
3.4. Teaching methods	Lectures (including e-learning): informative lecture with use of audiovisual techniques, live demonstrations of tools used in cardiovascular interventions
3.5. Bibliography	Required reading 1. Drake RL (ed.). Gray's Anatomy for Students. The anatomical basis of clinical practice. Churchill Livingstone, 2014. 2. Frank H. Netter. Atlas of Human Anatomy. Saunders, 2014
	Further reading Dangas GD. Interventional cardiology: principles and practice. Wiley-Blackwell, 2017. (several chapters)

4. OBJECTIVES, SYLLABUS CONTENT AND INTENDED LEARNING OUTCOMES

4.1. Course objectives (including form of classes) Lectures (including e-learning) C1-W – to broaden knowledge of the cardiovascular system structure in particular in the field of cardiovascular interventions C2- U – the use of topographic cardiovascular anatomy in diagnostic and therapeutic procedures
4.2. Detailed syllabus (including form of classes) The lecture – 7x2h + final test 1 h = 15 h. 1. The development of the heart and great thoracic vessels, anatomical variants, the definition of structural heart disease, congenital heart diseases. 2. The anatomy of coronary vessels, great thoracic vessels, peripheral arteries and veins in terms of cardiovascular interventions. The anatomy of cardiac conducting system. The anatomical characteristics of atherosclerosis, plaque types, the idea of revascularization. 3. An integrative approach to the descriptive and topographic anatomy and cardiovascular imaging of the heart and the great thoracic vessels.

4.5. Criteria of assessment of the intended learning outcomes		
Form of classes	Grade	Criterion of assessment
lecture (L)(including e-learning)	3	61%-68% Mastering course content at the primary level, chaotic answers, guiding questions necessary.
	3,5	69%-76% Mastering course content at the primary level, response systematized, requires teacher's support
	4	77%-84% Mastering course content at the primary level, response systematized, independent. Solving problems in typical situations.
	4,5	85%-92% The scope of presented knowledge goes beyond the primary level based on given complementary literature. Solving problems in knew and complex situation.
	5	93%-100%The scope of presented knowledge goes beyond the primary level based on independently gained scientific sources of information.

**delete as appropriate*

5. BALANCE OF ECTS CREDITS – STUDENT'S WORK INPUT

Category	Student's workload
	Full-time studies
<i>NUMBER OF HOURS WITH THE DIRECT PARTICIPATION OF THE TEACHER /CONTACT HOURS/</i>	15
<i>Participation in lectures*</i>	5
<i>Participation in classes, seminars, laboratories*</i>	
<i>Participation in the exam/ final test*</i>	
<i>Others* (including e-learning)</i>	10
<i>INDEPENDENT WORK OF THE STUDENT/NON-CONTACT HOURS/</i>	10
<i>Preparation for the lecture*</i>	10
<i>Preparation for the classes, seminars, laboratories*</i>	
<i>Preparation for the exam/test*</i>	
<i>Gathering materials for the project/Internet query*</i>	
<i>Preparation of multimedia presentation</i>	
<i>Others*</i>	
<i>TOTAL NUMBER OF HOURS</i>	25
<i>ECTS credits for the course of study</i>	1

Accepted for execution (date and signatures of the teachers running the course in the given academic year)

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¹ e-learning