

Course description

Part 1

General information about the course		
1. Major of study: NURSING	2. Study level: 2st Degree studies, general academic profile	
	3. Form of study: intramural studies	
4. Year: I / Educational cycle 2022-2024	5. Semester: II	
6. Course name: Modern diagnostic techniques		
7. Course status: required		
8. Course contents nad assigned learning outcomes		
Course objectives:		
Novel medical imaging review.		
The role of nurse in medical imaging.		
Practical nursery skills in medical imaging.		
Learning outcomes / reference to learning outcomes indicated in the standards		
For knowledge – student knows and understands: B.W15, B.W25		
For skills student can do: B.U17		
For social competencies student is ready to: solve complex ethical problems related to pursuingf the profession of a nurse and to identify priorities in performing specific tasks; bear responsibility for provided healthcare services;/ p.1.3. general learning outcomes/		
9. Number of hours for the course		20
10. Number of ECTS points for the course		1
11. Methods of verification and evaluation of learning outcomes		
Learning outcomes	Methods of verification	Methods of evaluation*
Knowledge	Written evaluation – open questions Grade credit – MCQ	*
Skills	Report Observation Practical exam	*
Competencies	Observation	*

* The following evaluation system has been assumed:

Very good (5,0) – the assumed learning outcomes have been achieved and significantly exceed the required level

Better than good (4,5) – the assumed learning outcomes have been achieved and slightly exceed the required level

Good (4,0) – the assumed learning outcomes have been achieved at the required level

Better than satisfactory (3,5) – the assumed learning outcomes have been achieved at the average required level

Satisfactory (3,0) – the assumed learning outcomes have been achieved at the minimum required level

Un satisfactory (2,0) – the assumed learning outcomes have not been achieved

Course description

Part 2

Other useful information about the course		
12. Name of Department, mailing address, e-mail: Department of Cardiology, 45-47 Ziołowa street, 40-635 Katowice; e-mail:gcm-kk2@sum.edu.pl; amanka@sum.edu.pl www. klinkardwnoz.sum.edu.pl		
13. Name of the course coordinator: Prof Zbigniew Gąsior MD, PhD		
14. Prerequisites for knowledge, skills and other competencies: Basic knowledge in novel medical imaging		
15. Number of students in groups	In accordance with the Senate Resolution	
16. Study materials	Notice-board, II Cardiology Department, 4th floor	
17. Location of classes	Department of Cardiology, 45-47 Ziołowa street, 40-635 Katowice, 4th floor	
18. Location and time for contact hours	Department of Cardiology, 45-47 Ziołowa street, 40-635 Katowice, 4th floor	
19. Learning outcomes		
Number of the course learning outcome	Course learning outcomes	Reference to learning outcomes indicated in the standards
	In terms of knowledge, the graduate knows and understands:	
C_K01	diagnostic tests selection rules and the interpretation of their results within the scope of their professional competences;	B.W15
C_K02	principles of diagnostic and therapeutic procedures and care for patients with hypertension, arrhythmias, chronic circulatory failure and modern technologies used in therapy and monitoring of patients with cardiovascular disease;	B.W25
	In terms of skills, the graduate shall be able to:	
C_S01	select and order diagnostic tests as part of professional qualifications;	B.U17
20. Forms and topics of classes		Number of hours
20.1. Lectures		5
Computer tomography:		2
Magnetic Resonance:		2
Coronary angiography:		1
20.2. Practical classes		15
Ultrasound:		3

Echocardiography:	3
Magnetic Resonance	3
Computer tomography:	3
Coronary angiography:	3
21. Readings	
1. J. Duława, Internal Medicine Vademecum PZWL, Warsaw 2015 2. P. Ponikowski, P. Hoffman, A. Witkowski, P. Lipiec, Cardiology Textbook, PTK, Via Medica 2019 3. A. Szczeklik, P. Gajewski and partners ,Szczeklik's Internal Medicine , Practical Medicine 2019/2020	
22. Detail evaluation criteria	
<p>In accordance with the recommendations of the inspection bodies</p> <p>Completion of the course – student has achieved the assumed learning outcomes</p> <p>Detail criteria for completion and evaluation of the course are specified in the course regulations</p>	