

Course description

Part 1

General information about the course		
1. Major of study: medicine	2. Study level: unified MSc	
	3. Form of study: intramural	
4. Year: 4	5. Semester:	
6. Course name: Nuclear Medicine		
7. Course status: required		
8. Classical Nuclear Medicine, seminars of: Bone scan oncology Bone scan nononcology Thyroid scan Parathyroid scan Myocardial Perfusion Imaging Lung scintigraphy Lymphoscintigraphy I-131 thyroid therapy. Learning outcomes / reference to learning outcomes indicated in the standards For knowledge – student knows and understands: For skills student can do For social competencies student is ready to		
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

Unsatisfactory (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: Dept. of Radiology & Nuclear Medicine, Central Clinical Hospital Medyków 14st. Katowice ochrabanski@sum.edu.pl		
13. Name of the course coordinator: Olgierd Chrabański		
14. Prerequisites for knowledge, skills and other competencies: Anatomy. Physics ionizing radiation.		
15. Number of students in groups	In accordance with the Senate Resolution	
16. Study materials	For classes located in the hospital: lab coat and shoes, working account in 365.sum.edu.pl domain.	
17. Location of classes	Dept. of Radiology & Nuclear Medicine, Central Clinical Hospital Medykow 14st. Katowice	
18. Location and time for contact hours	Individually	
19. Learning outcomes		
Number of the course learning outcome	Course learning outcomes	Reference to learning outcomes indicated in the standards
C_K01	Student knows the principles, indications and contraindications for scintigraphy	F.W10, B.U2
C_K02	Student knows principles, indications and contraindications for I-131 thyroid therapy	F.W10
C_S01	Student is able to identify anatomic structures on bone scan	F.W10, A.U4
C_S02	Student is able to localize and name selected, most common pathologies on bone scan	F.W10, F.U7
20. Forms and topics of classes		Number of hours
22.2. Seminars		20
Department of Nuclear medicine: instrumentation, radiopharmaceuticals, safety of work		2
Bone scan oncology		2
Bone scan nononcology		2
Thyroid scan		2
Parathyroid scan		2
Myocardial Perfusion Imaging		2
Lung scintigraphy		2
Lymphoscintigraphy		2
I-131 thyroid therapy		2

Test	2
24. Readings	
Essentials of Nuclear Medicine Imaging by Fred A. Mettler Jr. , Milton J. Guiberteau.	
25. Detail evaluation criteria	
In accordance with the recommendations of the inspection bodies Completion of the course – student has achieved the assumed learning outcomes Detail criteria for completion and evaluation of the course are specified in the course regulations	