



# Pomeranian Medical University in Szczecin

## SYLLABUS of the MODULE (SUBJECT) General Information

<b>Module title: Modern vascular treatment</b>	
Module type	Obligatory/Facultative
Faculty PMU	Faculty of Medicine and Dentistry
Major	Medicine
Level of study	long-cycle (S2J)
Mode of study	full-time studies
Year of studies, semester	Year V
ECTS credits (incl. semester breakdown)	
Type/s of training	seminars 15 h
Form of assessment*	<input type="checkbox"/> graded assessment: <ul style="list-style-type: none"> <li><input type="checkbox"/> descriptive</li> <li><input type="checkbox"/> test</li> <li><input type="checkbox"/> practical</li> <li><input type="checkbox"/> oral</li> </ul> <input checked="" type="checkbox"/> non-graded assessment <ul style="list-style-type: none"> <li><input type="checkbox"/> final examination <ul style="list-style-type: none"> <li><input type="checkbox"/> descriptive</li> <li><input type="checkbox"/> test</li> <li><input type="checkbox"/> practical</li> <li><input type="checkbox"/> oral</li> </ul> </li> </ul>
Head of the Department/ Clinic, Unit	<i>prof. Aleksander Falkowski</i>
Tutor responsible for the module	<i>prof. Aleksander Falkowski, Lech Cyryłowski, associate prof.</i>
Department's/ Clinic's/ Unit's website	<a href="https://www.pum.edu.pl/wydzialy/wydzial-lekarsko-stomatologiczny/zaklad-radiologii-zabiegowej">https://www.pum.edu.pl/wydzialy/wydzial-lekarsko-stomatologiczny/zaklad-radiologii-zabiegowej</a>
Language	English

\* replace  into  where applicable

## Detailed information

<b>Module objectives</b>		To familiarize students with modern procedures of interventional radiology
Prerequisite /essential requirements	Knowledge	Basic knowledge of general radiology
	Skills	Observation and drawing conclusions; to relate practices with theory
	Competences	

## Description of the learning outcomes for the subject /module

No. of learning outcome	Student, who has passed the (subject) knows /is able to /can:	SYMBOL (referring the standards)	Method of verification of learning outcomes*
W01	knows issues of modern imaging methods, in particular: a) radiological symptomatology of main diseases b) instrumental methods and imaging techniques used for performance of therapeutic procedures c) indications, contra-indications and preparation of patients for certain kinds of imaging examination and contra-indications to the application of contrast media	K F.W10	SP
W02	define basic concepts related to topics of the course		SP
W03	aplicate systemized knowledge in everyday work		SP
U01	Draws conclusions on relationships between anatomic structures from in vivo diagnostic investigation, in particular regarding radiology (plain films, contrast examination, computer tomography and nuclear magnetic resonance)	K A U.4	SP
U02	specify application of every diagnostic and therapeutic procedures		SP
U03	explain to a patient the need to perform examinations and procedures by presenting their benefits		
U04	appreciate the risks associated with the invasiveness of medical procedures		
U05	recognize the problems associated with the use of contrast media,		
U06	know the methods of protecting staff members and patients against ionizing radiation		

K01			SP
K02			

Table presenting LEARNING OUTCOMES in relation to the form of classes

No. of learning outcome	Learning outcomes	Type of training						
		Lecture	Seminar	Practical	Clinical classes	Simulations	E-learning	Other...
1.	K F.W10		x					
2.	define basic concepts related to topics of the		x					
3.	aplicate systemized knowledge in everyday work		x					
4.	K A U.4		x					
5.	specify application of every diagnostic and		x					
6.	explain to a patient the need to perform		x					
7.	appreciate the risks associated with the		x					
8.	recognize the problems associated with the use of		x					
9.	know the methods of protecting staff members		x					

Table presenting TEACHING PROGRAMME

No. of a teaching programme	Teaching programme	No. of hours	References to learning outcomes
<b>5 Year</b>			
<b>Seminars</b>			
TK01	Modern methods of imaging the circulation system	2,5	
TK02	The review of intravascular interventional procedures in diseases of the circulation system	10	
TK03	Safety rules in imaging diagnostics and invasive radiology	2,5	

**Booklist**

Obligatory literature:

1. . Urban &amp; Partner 2014; Waldman: Sekrety radiologii interwencyjnej.

2.

Supplementary literature:

1. 1. Herring: Radiologia. Podręcznik dla studentów

2.

**Student's workload**

Form of student's activity (in-class participation; activeness, produce a report, etc.)	Student's workload [h]
Contact hours with the tutor	15

Time spent on preparation to seminars/ practical classes	
Time spent on reading recommended literature	
Time spent on writing report/making project	
Time spent on preparing to colloquium/ entry test	
Time spent on preparing to exam	
Other .....	
Student's workload in total	
<b>ECTS credits for the subject (in total)</b>	
<b>Remarks</b>	

\* Selected examples of methods of assessment:

EP – written examination

EU – oral examination

ET – test examination

EPR – practical examination

K – colloquium

R – report

S – practical skills assessment

RZC – practical classes report, incl. discussion on results

O – student's active participation and attitude assessment

SL – lab report

SP – case study

PS - assessment of student's ability to work independently

W – entry test

PM – multimedial presentation

other...