



## Pomeranian Medical University in Szczecin

### SYLLABUS of the MODULE: INTERNAL DISEASES (CARDIOLOGY) General Information

Module title: ECG could you recognize everything?	
Module type	Elective
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	IVth year, winter semester
ECTS credits (incl. semester breakdown)	0.75
Type/s of training	seminars (12h)
Form of assessment*	<input type="checkbox"/> graded assessment: <ul style="list-style-type: none"> <li><input type="checkbox"/> descriptive</li> <li><input checked="" type="checkbox"/> test</li> <li><input type="checkbox"/> practical</li> <li><input type="checkbox"/> oral</li> </ul> <input type="checkbox"/> non-graded assessment  <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>
Head of the Department/ Clinic, Unit	Dr. Jarosław Kazimierczak PhD, Professor of cardiology
Tutor responsible for the module	Dr. Radosław Kiedrowicz PhD, Email: <a href="mailto:radkied@wp.pl">radkied@wp.pl</a>
Contact details	Pomeranian Medical University Cardiology Department 72 Powstańców Wlkp. 70-111 Szczecin tel/fax 914661378/ 914661370
Department's/ Clinic's/ Unit's website	<a href="https://www.pum.edu.pl/wydzialy/wydzial-medycyny-i-stomatologii/klinika-kardiologii">https://www.pum.edu.pl/wydzialy/wydzial-medycyny-i-stomatologii/klinika-kardiologii</a>
Language	English

**Detailed information**

<b>Module objectives</b>		Extended ECG assessment
Prerequisite /essential requirements	Knowledge	Fundamentals of electrocardiography: normal ECG and the basic interpretation of common abnormalities
	Skills	Fundamentals of electrocardiography: normal ECG and the basic interpretation of common abnormalities
	Competences	A student who actively participates in the classes, with the ability to think independently

**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 etiology of hemodynamic disturbances, progressive and retrogressive changes	K_C.W29	test examination
W02	recognizes states representing direct threat to life	K_E.U14	test examination
U01	plans diagnostics, therapeutic and preventive procedures	K_E.U16	test examination
K01	demonstrates the awareness for self-education, understands the need for continuing professional education, can inspire and organize learning processes in others	K_K03	student's active participation and attitude assessment

**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...
W01	K_C.W29	X						
W02	K_E.W7	X						
U01	K_E.U14	X						
K01	K_K03	X						

**Table presenting TEACHING PROGRAMME**

No. of a teaching programme	Teaching programme	No. of hours	References to learning outcomes
<b>Seminars</b>			
TK01	Introduction. Basic analysis. AV blocks.	3	K_C.W29, K_E.W7 K_E.U14, K_K03
TK02	Ischemic heart disease. Myocardial infarction.	3	K_C.W29, K_E.W7

			K_E.U14, K_K03
TK03	Arrhythmias: Atrial fibrillation. Atrial flutter. Narrow and wide QRS complex tachycardias.	3	K_C.W29, K_E.W7 K_E.U14, K_K03
TK04	Bundle branch blocks. Left and right ventricular hypertrophy.	3	K_C.W29, K_E.W7 K_E.U14, K_K03

**Booklist****Obligatory literature:**

1. S.H. Ralston, M.W.J. Strachan, I.D. Penman, R.P. Hobson. Davidson's Principles and Practice of Medicine 23<sup>rd</sup> Edition. Elsevier 2018
2. Hein J. J. Wellens, Mary Boudreau Conover, The ECG in Emergency Decision Making, 2nd Edition. Saunders 2006

**Supplementary literature:**

1. ESC clinical practice guidelines <https://www.escardio.org/Guidelines>

**Student's workload**

Form of student's activity (in-class participation; activeness, produce a report, etc.)	Student's workload [h]
	Tutor
Contact hours with the tutor	12
Time spent on preparation to seminars/ practical classes	4
Time spent on reading recommended literature	4
Time spent on preparing to exam	4
Student's workload in total	24
<b>ECTS credits for the subject (in total)</b>	0.75

**Remarks**