



Pomeranian Medical University in Szczecin

SYLLABUS of the MODULE (SUBJECT)

General Information

Code		Title	Anatomy
Module type			<i>Obligatory</i>
Faculty			<i>Faculty of Medicine</i>
Field of study			<i>medicine</i>
Major			<i>Not applicable</i>
Level of study			<i>II level/ long-cycle (S2J)</i>
Mode of study			<i>Intramural</i>
Year of study			<i>1</i>
Semester			<i>Winter/summer</i>
ECTS points			27
Types of training			<i>Lectures(55)/practical classes(125)/(180 hours)</i>
Tutor responsible for the module			<i>Prof. dr hab. n. med. Zbigniew Ziętek anatomia@pum.edu.pl</i>
Tutors conducting the subject			<i>Dr hab. n. med. Aleksandra Gawlikowska-Sroka dr n. med. Cezary Partyka partyka@pum.edu.pl dr n. med. Edyta Dzięciołowska-Baran dr n. zdr. Maciej Mularczyk</i>
WWW			www.pum.edu.pl www.anatomia.pum.edu.pl
Language			English

Detailed information

Module objectives		introduction to the students structure of the human body and organs with special emphasis of most important anatomical anomalies and variations.
Prerequisite/essential requirements	Knowledge	demonstrates knowledge of human body structures: cells, tissues and systems with particular regard to stomatognathic system, knows body structure in terms of topography and functions
	Skills	explains functional importance of certain organs and systems in synthetic manner, explains anatomic bases of physical examination
	Competences	shows habit of self-education and lifelong education, shows respect to human body, can co-operate with team members and care about occupational safety

Description of the learning outcomes for the subject / module			
Number of learning outcome	Student, who has passed the (subject) Knows /is able to /can:	SYMBOL (referring the standards) EKK	Method of verification of learning outcomes
NMAAnW01	demonstrates knowledge of human body structures: cells, tissues and systems with particular regard to stomatognathic system	K_A.W01	E,S,During the classes of each part students have to pass obligatory test. It can be lead in different form: test, essay or oral answer.
NMAAnW02	knows body structure in terms of topography and functions	K_A.W03	E,S,During the classes of each part students have to pass obligatory test. It can be lead in different form: test, essay or oral answer.
NMAAnW03	understands role of nervous system for functions of certain organs	K_A.W04	E,S,During the classes of each part students have to pass obligatory test. It can be lead in different form: test, essay or oral answer.
NMAAnU01	explains functional importance of certain organs and systems in synthetic manner	K_A.U01	E,S,During the classes of each part students have to pass obligatory test. It can be lead in different form: test, essay or oral answer.
NMAAnU02	explains anatomic bases of physical examination	K_A.U02	E,S,During the classes of each part students have to pass obligatory

			test. It can be lead in different form: test, essay or oral answer.
NMAAnU03	interprets anatomic relationships supported by diagnostic examination methods in field of radiology (inspection x-ray and contrast-based images)	K_A.U03	E,S,During the classes of each part students have to pass obligatory test. It can be lead in different form: test, essay or oral answer
NMAAnU04	operates optic microscope and is able to take advantage of immersion and recognizes histological structures corresponding to organs and tissues on the basis of microscope images and explains and interprets structures thereof, and interprets relationship between structure and function of cells, tissues and organs	K_A.U04	E,S,During the classes of each part students have to pass obligatory test. It can be lead in different form: test, essay or oral answer.
NMAAnK01	shows habit of self-education and lifelong education	K_K01	E,S,During the classes of each part students have to pass obligatory test. It can be lead in different form: test, essay or oral answer.
NMAAnK02	accepts need of standards of conduct and legislation regarding medical practice	K_K02	E,S,During the classes of each part students have to pass obligatory test. It can be lead in different form: test, essay Oral
NMAAnK03	can co-operate with team members and care about occupational safety	K_K03	E,S,During the classes of each part students have to pass obligatory test. It can be lead in different form: test, essay or oral answer.
NMAAnK04	shows respect to human body	K_K04	E,S,During the classes of each part students have to pass obligatory test. It can be lead in different form: test, essay or oral answer.
NMAAnK05	shows respect to patient, social groups and cares for their goodwill and security	K_K05	E,S,During the classes of each part students have to pass obligatory

			test. It can be lead in different form: test, essay or oral answer.
NMAAnK06	recognizes need for complete understanding of physical phenomena in aspects of human body	K_K06	E,S,During the classes of each part students have to pass obligatory test. It can be lead in different form: test, essay or oral answer.
NMAAnK07	understands sense of responsibility for entrusted property	K_K07	E,S,During the classes of each part students have to pass obligatory test. It can be lead in different form: test, essay or oral answer.
NMAAnK08	understands proper examiner/examined relationship	K_K08	E,S,During the classes of each part students have to pass obligatory test. It can be lead in different form: test, essay or oral answer.
NMAAnK09	understands need for keeping professional secrecy and showing respect to patients' rights	K_K09	E,S,During the classes of each part students have to pass obligatory test. It can be lead in different form: test, essay oral
NMAAnK10	can make opinions on different aspects of professional activities	K_K10	E,S,During the classes of each part students have to pass obligatory test. It can be lead in different form: test, essay or oral answer.

Matrix presenting the learning outcomes of the subject/module in relation to the form of classes

Number of	Student, who has passed the	Types of training
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learning outcome	(subject) Knows /is able to /can:	Lecture	Seminar	Laboratory classes	Project work	Clinical classes	Classes	Practical classes	Other
NMAnW01	demonstrates knowledge of human body structures: cells, tissues and systems with particular regard to stomatognathic system		x				x		
NMAnW02	explains development of organs and entire body with particular regard to masticatory system		x				x		
NMAnW03	knows body structure in terms of topography and functions		x				x		
NMAnU01	explains functional importance of certain organs and systems in synthetic manner		x				x		
NMAnU02	explains anatomic bases of physical examination		x				x		
NMAnU03	interprets anatomic relationships supported by diagnostic examination methods in field of radiology (inspection x-ray and contrast-based images)		x				x		
NMAnU04	operates optic microscope and is able to take advantage of immersion and recognizes histological structures corresponding to organs and tissues on the basis of microscope images and explains and interprets structures thereof, and interprets relationship between structure and function of cells, tissues and organs		x				x		
NMAnK01	shows habit of self-education and lifelong education		x				x		
NMAnK02	accepts need of standards of conduct and legislation regarding medical practice		x				x		
NMAnK03	can co-operate with team members and care about occupational safety		x				x		
NMAnK04	shows respect to human body		x				x		
NMAnK05	shows respect to patient, social groups and cares for their goodwill and security		x				x		
NMAnK06	recognizes need for complete understanding of physical phenomena in aspects of human body		x				x		

NMAAnK07	understands sense of responsibility for entrusted property		x				x		
NMAAnK08	understands proper examiner/examined relationship		x				x		
NMAAnK09	understands need for keeping professional secrecy and showing respect to patients' rights		x				x		
NMAAnK10	can make opinions on different aspects of professional activities		x				x		

Module (subject) contents		
Symbol of teaching programme	Content of teaching programme	References to learning outcomes
TK 01	the osteology and syndesmology	NMAAnW01,02,03 NMAAnU01,02,03,04 NMAAnK01 up to NMAAnK10
TK 02	the upper limb	NMAAnW01,02,03 NMAAnU01,02,03,04 NMAAnK01 up to NMAAnK10
TK 03	the lower limb	NMAAnW01,02,03 NMAAnU01,02,03,04 NMAAnK01 up to NMAAnK10
TK 04	the neck	NMAAnW01,02,03 NMAAnU01,02,03,04 NMAAnK01 up to NMAAnK10
TK 05	the thorax	NMAAnW01,02,03 NMAAnU01,02,03,04 NMAAnK01 up to NMAAnK10
TK 06	the abdomen	NMAAnW01,02,03 NMAAnU01,02,03,04 NMAAnK01 up to NMAAnK10
TK 07	the pelvis and the perineum	NMAAnW01,02,03 NMAAnU01,02,03,04 NMAAnK01 up to NMAAnK10
TK 08	the head	NMAAnW01,02,03 NMAAnU01,02,03,04 NMAAnK01 up to NMAAnK10
TK 09	the brain and senses	NMAAnW01,02,03 NMAAnU01,02,03,04 NMAAnK01 up to NMAAnK10
References and educational resources		
1. presentations and the practical part with cadavers in dissection room		
2. theoretical part based on anatomical atlases and multimedia		
3. Gray,s Anatomy for students 2-nd edition; Richard Drake, Wayne Vogl, Adam Mitchell Essential Clinical Anatomy Keith Moore, Anne M.R. Agur		
4. Atlas of Human Anatomy F. Netter Sobotta Atlas of Human Anatomy Wiliams & Wilkins		
Student's workload (balance sheet of ECTS points)		
Form of student's activity (in-class participation:		Workload [h]

activeness, produce a report, etc.)	Tutor	Student	Average
activities that require direct participation of tutors	125	125	125
Preparation to the classes	100	300	200
Reading of the indicated/specified literature	300	200	250
Report writing/project making			
Time spent to prepare for the exam	150	300	200
Other eg. the practical part with cadavers in dissection room	50	50	50
Student's workload in total	725	975	825
ECTS points for the subject	27		
Remarks at the end			

Methods of assessment, for example:

E – exam- problem resolving
S – verifying of practical skills
R – report
D – discussion
P – presentation
Others-