



Sylabus

| | |
|---|--|
| 1. | |
| Faculty name: | 2nd Medical Faculty with English Division |
| Education program (field of study, level and educational profile, form of studies, e.g., Public Health, 1st level studies, practical profile, full time): | medicine, master degree, practical profile, full time |
| Academic year: | 2017/2018 |
| Module/subject name: | Comprehensive Basic Science Review – module II |
| Subject code (from the Pensum system): | |
| Educational units: | Chair and Department of General and Experimental Pathology |
| Head of the unit/s: | Prof. Dariusz Szukiewicz, MD, PhD |
| Study year (the year during which the respective subject is taught): | 3 |
| Study semester (the semester during which the respective subject is taught): | 4 |
| Module/subject type (basic, corresponding to the field of study, optional): | Optional |
| Teachers (names and surnames and degrees of all academic teachers of | Michał Pyzlak MD, PhD, Aleksandra Stangret MPT, PhD, Prof. Iwonna Rahdeń-Staroń MD, PhD, Dariusz Sołdacki, MD, PhD, Prof. Tomasz Wolańczyk MD, PhD, Anita Bryńska, MD, PhD |

| | |
|---|---------------------------|
| respective subjects): | |
| ERASMUS YES/NO (Is the subject available for students under the ERASMUS programme?): | No |
| A person responsible for the syllabus (a person to which all comments to the syllabus should be reported) | Grzegorz Szewczyk MD, PhD |
| Number of ECTS credits: | |
| 2. Educational goals and aims | |
| <ol style="list-style-type: none"> 1. Review the knowledge of physiology, pathophysiology, immunology, biochemistry and behavioral sciences 2. Prepare for the licence examination STEP 1 | |

| 3. Initial requirements | | | |
|--|---|---|--|
| <ol style="list-style-type: none"> 1. Knowledge of physiology with pathophysiology 2. Knowledge of biochemistry 3. Knowledge of immunology 4. Knowledge of behavioral sciences | | | |
| 4. Learning outcomes corresponding to the subject | | | |
| A list of course learning outcomes | | | |
| Symbol of course learning Outcomes | Description of course learning outcomes | The reference to programme learning outcomes (number) | |
| W1 | to review function and regulatory mechanisms of all organs and systems in human body and understand the relationships between them in normal and disturbed settings | B.W25 | |
| W2 | to develop a solid understanding of chemical structure and metabolism of compounds involved in normal function of human body | B.W10-B.W16 | |
| W3 | to review the function of immunological system | C.W20-C.W24 | |
| W4 | To review the knowledge of behavioral sciences | D.W2 | |
| K1 | to understand the need for continuous education | D.U16 | |
| K2 | can cooperate in a team for performing tests, results interpretation, clinical problems solving and critical discussion | D.U11 | |
| 5. Forms of classes | | | |
| Form | Number of hours | Number of groups | |
| Lecture | | | |
| Seminar | 29 | 1 | |
| Practical classes | | | |
| 6. Subject topics and educational contents | | | |
| S1 - Seminar 1 – Physiology with pathophysiology: | | | |
| S2 – Seminar 2 – Physiology with pathophysiology | | | |
| S3 – Seminar 3 – Physiology with pathophysiology | | | |
| S4 – Seminar 4 – biochemistry: Structure, properties and metabolism of proteins, carbohydrates, lipids, and nucleic | | | |

| | | | |
|--|---|---|--|
| Acids | | | |
| S5 – Seminar 5 – biochemistry: Control and integration of metabolic pathways | | | |
| S6 – Seminar 6 – Immunology | | | |
| S7 – Seminar 7 – Behavioral sciences: | | | |
| 7. Methods of verification of learning outcomes | | | |
| Learning outcome corresponding to the subject (symbol) | Forms of classes (symbol) | Methods of verification of a learning outcome | Credit receiving criteria |
| W1 | S:1-3; | credit Exam | presence at all lectures, seminars, classes, positive mark from credits and exam |
| W2 | S:4-5 | Credit Exam | presence at all lectures, seminars, classes, positive mark from credits and exam |
| W3 | S6 | credit Exam | presence at all lectures, seminars, classes, positive mark from credits and exam |
| W4 | S7 | Credit Exam | presence at all lectures, seminars, classes, positive mark from credits and exam |
| K1 | S:1-7 | preparation to seminars active participation in discussion during seminars | active participation during seminars |
| K2 | S:1-7 | active work in subgroups during seminars | active participation during seminars |
| 8. Evaluation criteria | | | |
| Form of receiving credit in a subject:EXAM | | | |
| Grade | Criteria | | |
| 2.0 (failed) | not completing the receiving criteria or getting 50% and less of possible points during the exam. | | |
| 3.0 (satisfactory) | getting more than 50% of possible points during the exam | | |
| 3.5 (rather good) | On the basis of an analysis of the distribution of exam results | | |
| 4.0 (good) | On the basis of an analysis of the distribution of exam results | | |
| 4.5 (more than good) | On the basis of an analysis of the distribution of exam results | | |
| 5.0 (very good) | On the basis of an analysis of the distribution of exam results | | |
| 9. Literature | | | |

Obligatory literature:

Rodney A. Rhoades, David R. Bell : Medical physiology : principles for clinical medicine — 2013, 4th ed. Wolter's Kluwer
 Gary D. Hammer, MD, PhD, Stephen J. McPhee, MD, Pathophysiology of Disease: An Introduction to Clinical Medicine, 2014, 7e, McGraw Hill.

Biochemistry Lippincott's Illustrated Reviews, D.R. Ferrier (R.A. Harvey ed.), Wolters Kluwer, Lippincott, Williams & Wilkins, sixth edition.

"Janeway's Immunobiology" (8 th edition) by K. Murphy. Garland Science 2012, New York Supplementary
 „Cellular and Molecular Immunology" (8 th edition) (Cellular and Molecular Immunology, Abbas)

Supplementary literature:

John E. Hall. Guyton and Hall Textbook of Medical Physiology, 13th Edition , 2016, Elsevier

10. ECTS credits calculation

| Form of activity | Number of hours | Number of ECTS credits |
|---|-----------------|------------------------|
| Direct hours with an academic teacher: | | |
| Lectures | | |
| Seminars | 29 | |
| Practical classes | | |
| Student's independent work (examples of the form of work): | | |
| Student's preparation for a seminar | 61 | |
| Student's preparation for a class | | |
| Preparation for obtaining credits | | |
| All | 90 | |

11. Additional Information

| | | |
|--|-------------|---------------------|
| Venue: classroom No7, Pawińskiego Str 3c | | |
| 21-2-2018 | 14.00-17.00 | physiology |
| 28-2-2018 | 14.00-17.00 | physiology |
| 7-3-2018 | 14.00-17.00 | physiology |
| 14-3-2018 | 14.00-17.45 | behavioral sciences |
| 21-3-2018 | 14.00-17.00 | biochemistry |
| 28-3-2018 | 14.00-17.00 | biochemistry |
| 11-4-2018 | 15.00-18.00 | immunology |

Podpis Kierownika Jednostki

Podpis osoby odpowiedzialnej za sylabus

Podpisy osób prowadzących zajęcia