

**SYLLABUS of the Module**

**General Information**

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| Module title**:** Internal diseases **- Reumatology** |
| Module type | Obligatory |
| Faculty  | Faculty of Medicine |
| Field of study | medicine |
| Level of study | long-cycle (S2J) |
| Mode of study | intramural |
| Year of studies, semester | Year 5/ semester IX and X |
| ECTSpoints | 1 |
| Type/s of training | Seminars –8hours, Classes –16hours,In total –24hourscsm 6h |
| Method of verification of learning outcomes [[1]](#footnote-1) | **☒** graded assessment: \*☐ descriptive**☒** test☐ practical☐ oral☐ non-graded assessment☐ final exam:☐ descriptive**☒** test☐ practical☐ oral |
| Head of the Department/ Clinic, Unit | Prof. dr hab. n. med. Marek Brzosko |
| Tutor responsible for the module | dr n. med. Jacek Flicińskijacek.flicinski@pum.edu.pl / phone 914253340 |
| Department’s/ Clinic’s/ Unit’s website | Katedra Reumatologii i Chorób Wewnętrznych, Klinika Chorób Wewnętrznych, Reumatologii, Diabetologii, Geriatrii i Immunologii KlinicznejSPSK1,71 – 252 Szczecin ul. Unii Lubelskiej 1 |
| https://www.pum.edu.pl/wydzialy/wydzial-lekarsko-stomatologiczny/klinika-reumatologii-i-chorob-wewnetrznych |
| Language | english |

**Detailed information**

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| Module objectives | Provide basic knowledge in the field of rheumatology. The aim of the course is to present the clinical picture, diagnosis, differentiation and treatment of the most common rheumatological problems.Clinical exercises are intended to improve the skill of colletcting an interview and performing physical examination of rheumatological patients, as well as conducting a comprehensive assessment of the condition of a rheumatological patient on the basis of standardized scales.Students learn about the specificity of dealing with a rheumatological patient, acquire the ability to interpret the results of diagnostic tests (imaging, laboratory tests, including serological and biochemical tests). |
| Prerequisite /Essential requirements | Knowledge | Knowledge of the development, structure and functions of the human body in normal and pathological conditions based on the knowledge obtained in anatomy, physiology, pathophysiology, histopathology and internal diseases acquired at earlier stages of education.Knowledge of diagnostics and pharmacotherapy of internal diseases. |
| Skills | Assessment of the psychosomatic state of the patient with a detailed physical and subjective examination |
| Competences | The habit of self-education, ability to work in team, interpersonal communication skills, the ability of responsible usage of emotional intelligence |

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| 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**\*** |
| W01 | knows the environmental and epidemiological conditions of the most common diseases | K\_E.W1 | continuous assessment during classes; final test |
| W02 | knows and understands the causes, symptoms, principles of diagnosis and therapeutic management in relation to the most common internal diseases occurring in adults, and their complications: rheumatic diseases, including: systemic diseases of connective tissue, systemic vasculitis, arthritis involving the spine, metabolic bone diseases, in particular osteoporosis and osteoarthritis, gout | K\_E.W7 | continuous assessment during classes; final test |
| W03 | knows the issues of contemporary imaging studies, in particular:a) radiological chareacteristics of basic diseases,b) instrumental methods and imaging techniques used to perform therapeutic procedures,c) indications, contraindications and preparation of patients for particular types of imaging tests and contraindications to the use of contrast agents | K\_F.W10 | continuous assessment during classes; final test |
| W04 | knows the basic principles of pharmacotherapy | K\_C.W37 | continuous assessment during classes; final test |
| W05 | knows and understands the concept of invalidity and disability | K\_E.W30 | continuous assessment during classes; final test |
| U01 | evaluates and describes the somatic and mental state of the patient | K\_E.U13 | continuous assessment during classes |
| U02 | carries out a full and targeted physical examination of an adult patient | K\_E.U3 | continuous assessment during classes |
| U03 | interprets laboratory tests and identifies the causes of deviations from normal values | K\_E.U24 | continuous assessment during classes |
| U04 | assesses the general condition, state of consciousness and awareness of the patient | K\_E.U7 | continuous assessment during classes |
| U05 | carries out differential diagnosis of the most common diseases in adults and children | K\_E.U12 | continuous assessment during classes |
| U06 | plans diagnostic, therapeutic and prophylactic procedures | K\_E.U16 | continuous assessment during classes |
| K01 | demonstrates the habit of self-education, understands the need for lifelong learning, can inspire and organize the learning process of other people | K\_K03 | continuous assessment during classes |
| K02 | collaborates with team members; is able to cooperate in a group, taking different roles in it | K\_K04 | continuous assessment during classes |
| K03 | follows the proper relations between the examiner and the examined person during the observations and functional tests performed | K\_K05 | continuous assessment during classes |
| K04 | is aware of the patient's rights | K\_K11 | continuous assessment during classes |
| K05 | shows respect for patients out of concern for their welfare | K\_K20 | continuous assessment during classes |

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| Table of Learning outcomes in relation to the form of activity |
| **No of** Learning outcome | Learning outcomes | Teaching activity |
| **Lecture** | **Seminar** | **Practical classes** | **Clinical classes** | **Symulations** | **E-learning**  | **other** |
| W01 | K\_E.W1 | X | X |  |  |  | X |  |
| W02 | K\_E.W7 | X | X |  |  |  | X |  |
| W03 | K\_F.W10 | X | X | X |  |  | X |  |
| W04 | K\_C.W37 | X | X | X |  |  | X |  |
| W05 | K\_E.W30 |  | X | X |  |  | X |  |
| U01 | K\_E.U13 |  |  | X |  | X |  |  |
| U02 | K\_E.U3 |  |  | X |  |  |  |  |
| U03 | K\_E.U24 |  |  | X |  |  |  |  |
| U04 | K\_E.U7 |  |  | X |  |  |  |  |
| U05 | K\_E.U12 |  |  | X |  | X |  |  |
| U06 | K\_E.U16 |  |  | X |  |  |  |  |
| K01 | K\_K03 |  |  | X |  |  |  |  |
| K02 | K\_K04 |  |  | X |  |  |  |  |
| K03 | K\_K05 |  |  | X |  |  |  |  |
| K04 | K\_K11 |  |  | X |  |  |  |  |
| K05 | K\_K20 |  |  | X |  |  |  |  |

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| TABLE OF PROGRAM CONTENTS |
| No OF PROGRAM CONTENT | PROGRAM CONTENT | Number of hours | Relation to learning outcomes for the classes |
| **winter/summer Semester** |
| **Seminars** |
| TK01 | Rheumatoid arthritis | 1 | W01, W02, W03, W04, W05 |
| TK02 | Systemic lupus erythematosus and antiphospholipid syndrome | 1 | W01, W02, W03, W04, W05 |
| TK03 | Necrotizing vasculitis | 1 | W01, W02, W03, W04 |
| TK04 | Seronegative Spondyloartropaties | 1 | W01, W02, W03, W04, W05 |
| **Practical classes** |
| TK01 | The specificity of collecting an interview and physical examination of a rheumatological patient | 3 | U01, , U02, U03, U04, K01, K02, K03, K04, K05 |
| TK02 | Discussing the classification and practical aspects of diagnosing inflammatory diseases of the joints and establishing individual management. Therapeutic management in arthritis. | 3 | U05, U06, K01, K02, K03, K04, K05 |
| TK03 | Practical application of the disease activity assessment scale. Eligibility for biological treatment. | 3 | U01, U02, U03, U04, U05, U06, K01, K02, K03, K04, K05 |
| TK04 | Diagnostics of systemic connective tissue diseases and establishing a therapeutic intervention plan: pharmacological and non-pharmacological. Comprehensive analysis and verification of pharmacotherapy of a rheumatological patient. Practical principles of the association of disease-modifying drugs. | 3 | U01, U02, U03, U04, U05, U06, K01, K02, K03, K04, K05 |
| TK05 | Differential diagnosis of rheumatic diseases based on selected cases. Planning of diagnostic and therapeutic procedures in individual cases. | 2 | U01,U02, U03, U04, U05, U06, K01, K02, K03, K04, K05 |
| **E-learning - e-lectures** |
| TK01 | Polymyositis and dermatomyositis, diagnosis and treatment | 1 | W01, W02, W03, W04, W05 |
| TK02 | Systemic sclerosis, mixed connective tissue disease, overlapping syndromes, diagnosis and treatment | 1 | W01, W02, W03, W04, W05 |
| TK03 | Dryness syndrome, diagnosis and treatment | 1 | W01, W02, W03, W04, W05 |
| TK04 | Gout, diagnosis and treatment | 1 | W01, W02, W03, W04 |

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| **Recommended literature** |
| Kelley's Textbook of Rheumatology. Saunders Elsevier.  |
| Davidson's Principles and Practice of Medicine. Churchill Livingstone. |
| Clinical Rheumatology, Ed. M. BrzoskoWyd. PUM |

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| Student’sworkload (balance sheet of ECTS points) |
| Form of student workload(participation in classes, activity, preparation of reports, etc.) | Student’sworkload [h] |
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| Contact hours with the teacher | 30 |
| Preparation for exercises / seminar | 8 |
| Reading the indicated literature | 4 |
| Writing a report from the laboratory / exercises / preparation of a project / paper, etc. | - |
| Preparation for a test | 5 |
| Preparation for the exam |  |
| Total student workload | 49 |
| ECTS points | 1 |
| Remarks |

1. [↑](#footnote-ref-1)