

## Course description (Introduction I, II & Rheumatology)

### Part 2

| Other useful information about the course                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                      |                                                           |
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| <b>12. Name of Department, mailing address, e-mail:</b> Department Of Internal Medicine, Rheumatology and Immunology<br>Górnośląskie Centrum Medyczne im. prof. Leszka Gieca<br>Śląskiego Uniwersytetu Medycznego w Katowicach<br><a href="mailto:reumatologia@gcm.pl">reumatologia@gcm.pl</a><br><a href="mailto:ekucharz@sum.edu.pl">ekucharz@sum.edu.pl</a> |                                                                                                                                                                                                                                                                                                                                                                      |                                                           |
| <b>13. Name of the course coordinator:</b><br><br>Robert Pieczyrak, MD, PhD                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                      |                                                           |
| <b>14. Prerequisites for knowledge, skills and other competencies:</b><br>Pre-clinical knowledge and obtaining positive results in the none clinical courses                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                      |                                                           |
| <b>15. Number of students in groups</b>                                                                                                                                                                                                                                                                                                                        | In accordance with the Senate Resolution                                                                                                                                                                                                                                                                                                                             |                                                           |
| <b>16. Study materials</b>                                                                                                                                                                                                                                                                                                                                     | In patients, Out patients, power point presentations, patients case histories, Laboratory and Imaging technique results, Invasive and none invasive procedures.<br>Reading; Bates Physical exam, Kumar and Clark’s Clinical Medicine, Davidson's Principles and Practice of Medicine, Oxford text book of Paliative care, Harrison's Principles of Internal Medicine |                                                           |
| <b>17. Location of classes</b>                                                                                                                                                                                                                                                                                                                                 | <b>Department Of Internal Medicine, Rheumatology and Immunology</b><br>Górnośląskie Centrum Medyczne im. prof. Leszka Gieca<br>Śląskiego Uniwersytetu Medycznego w Katowicach                                                                                                                                                                                        |                                                           |
| <b>18. Location and time for contact hours</b>                                                                                                                                                                                                                                                                                                                 | <b>Department Of Internal Medicine, Rheumatology and Immunology</b><br>Górnośląskie Centrum Medyczne im. prof. Leszka Gieca<br>Śląskiego Uniwersytetu Medycznego w Katowicach                                                                                                                                                                                        |                                                           |
| 19. Learning outcomes                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                      |                                                           |
| Number of the course learning outcome                                                                                                                                                                                                                                                                                                                          | Course learning outcomes                                                                                                                                                                                                                                                                                                                                             | Reference to learning outcomes indicated in the standards |
| P_W01 / C_K01                                                                                                                                                                                                                                                                                                                                                  | environmental and epidemiological conditions of the most common diseases                                                                                                                                                                                                                                                                                             | E.W1.                                                     |
| P_W02 / C_K02                                                                                                                                                                                                                                                                                                                                                  | causes, symptoms, principles of diagnosis and therapeutic procedure in relation to the most common internal diseases occurring in adults and their complications:                                                                                                                                                                                                    | E.W7.                                                     |

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| P_W03/C_K03                                                                                                                                                      | rheumatic diseases, including systemic connective tissue diseases, systemic vasculitis, spondylitis, bone metabolic diseases, in particular osteoporosis and osteoarthritis, gout                                                                                                                                                                                                                                                                                                                                                                                    | E.W7.                  |
| P_W04/C_K04                                                                                                                                                      | theoretical and practical foundations of laboratory diagnostics;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | E.W40.                 |
| .....                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                        |
| P_U01 / C_S01                                                                                                                                                    | conduct an interview with an adult patients                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | E.U1.                  |
| P_U02 / C_S02                                                                                                                                                    | conduct a full and targeted physical examination of an adult patient                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | E.U3.                  |
| P_U03 / C_S03                                                                                                                                                    | assess the general condition, the state of consciousness and awareness of the patient;                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | E.U.7                  |
| P_U04 / C_S04                                                                                                                                                    | conduct differential diagnosis of the most common diseases of                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | E.U12.                 |
| P_U05 / C_S05                                                                                                                                                    | plan diagnostic, therapeutic and preventive measures;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | E.U16.                 |
| P_U06 / C_S06                                                                                                                                                    | analyze the possible side effects of individual drugs and their interactions;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | E.U17.                 |
| P_U07 / C_S07                                                                                                                                                    | propose the individualization of existing therapeutic guidelines and other methods of treatment against ineffectiveness or contraindications to standard therapy;                                                                                                                                                                                                                                                                                                                                                                                                    | E.U18.                 |
| P_U08 / C_S08                                                                                                                                                    | qualify the patient for home and hospital treatment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | E.U20.                 |
| P_U09 / C_S09                                                                                                                                                    | identify conditions in which the duration of life, functional status or preferences of the patient limit the conduct in accordance with the guidelines set out for a given disease;                                                                                                                                                                                                                                                                                                                                                                                  | E.U21.                 |
| P_U10 / C_S10                                                                                                                                                    | perform functional assessment of a patient with disability;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | E.U22.                 |
| P_U11 / C_S11                                                                                                                                                    | interpret laboratory results and identify the causes of deviations from the norm;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | E.U24.                 |
| P_U12 / C_S12                                                                                                                                                    | perform basic medical procedures and procedures including: body temperature measurement (superficial and deep), heart rate measurement, non-invasive blood pressure measurement, monitoring of vital signs with the help of a cardiomonitor, pulse oximetry, intravenous, intramuscular and subcutaneous injections, peripheral vein cannulation, peripheral venous blood collection, blood culture, arterial blood collection, arterialized capillary blood collection, taking swabs from the nose, throat and skin, bladder catheterization in both men and women. | E.U29.                 |
| P_U13 / C_S13                                                                                                                                                    | interpret pharmaceutical characteristics of medicinal products and critically evaluate drug advertising material;                                                                                                                                                                                                                                                                                                                                                                                                                                                    | E.U31.                 |
| P_U14 / C_S14                                                                                                                                                    | plan specialist consultations                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | E.U32.                 |
| P_U15 / C_S15                                                                                                                                                    | recognize the agony of the patient and determine his death;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | E.U37.                 |
| P_U16 / C_S16                                                                                                                                                    | keep patient's medical records.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | E.U38.                 |
| <b>20. Forms and topics of classes</b>                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <b>Number of hours</b> |
| <b>21.1. Lectures</b>                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <b>30</b>              |
| 1. Common symptomatology and signs in internal diseases in adults                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 4                      |
| 2. Symptomatology and basic principles in cardiovascular diseases                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 4                      |
| 3. Symptomatology and basic principles in respiratory medicine                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 4                      |
| 4. Symptomatology and basic principles in Gastrointestinal diseases                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 4                      |
| 5. Symptomatology and basic principles in musculo skeletal and connective tissue diseases, renal and urinary tract diseases and endocrine and metabolic diseases |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 4                      |
| 6. Rheumatic diseases; Rheumatoid arthritis, osteoarthritis, reactive arthritis and metabolic bone diseases                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 2                      |
| 7. Systemic lupus erythematosus and mixed connective tissue diseases, pharmacological and biological treatment                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 2                      |

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| 8. Systemic sclerosis, polymyositis , dermatomyositis and over lap syndrome                                                                                                                                                                                                                                                                                                                                                                                              | 2  |
| 9. Systemic vasculitis                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 2  |
| 10. medical emergencies in connective tissue diseases                                                                                                                                                                                                                                                                                                                                                                                                                    | 2  |
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| <b>23.3. Labs</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 60 |
| 1. evaluation of patients , taking medical history , evaluation of the symptoms and signs in cardiovascular patients                                                                                                                                                                                                                                                                                                                                                     | 8  |
| 2. evaluation of patients , taking medical history , evaluation of the symptoms and signs in pulmonology patients                                                                                                                                                                                                                                                                                                                                                        | 8  |
| 3. evaluation of patients , taking medical history , evaluation of the symptoms and signs in GI patients                                                                                                                                                                                                                                                                                                                                                                 | 8  |
| 4. evaluation of patients , taking medical history , evaluation of the symptoms and signs in nephrology and endocrine and metabolic patients                                                                                                                                                                                                                                                                                                                             | 8  |
| 5. evaluation of patients , taking medical history , evaluation of the symptoms and signs in musculoskeletal diseases                                                                                                                                                                                                                                                                                                                                                    | 8  |
| 6. evaluation of patients , taking medical history , evaluation of the symptoms and signs,non invasive and invasive diagnosis procedures, imaging techniques, laboratory values, diagnosis and differentiation diagnosis in connective tissue diseases                                                                                                                                                                                                                   | 20 |
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| <b>24. Readings</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                      |    |
| Bates Physical exam, Kumar and Clark's Clinical Medicine, Davidson's Principles and Practice of Medicine. Harrison's Principles of Internal Medicine                                                                                                                                                                                                                                                                                                                     |    |
| <b>25. Detail evaluation criteria</b>                                                                                                                                                                                                                                                                                                                                                                                                                                    |    |
| <p>In accordance with the recommendations of the inspection bodies</p> <p>Completion of the course – student has achieved the assumed learning outcomes by successfully passing the practical and theoretical part of the course work and obtaining positive results</p> <p>Detail criteria for completion and evaluation of the course are specified in the course regulations The course regulation is established by the Department prior to the Deans acceptance</p> |    |