##### List of optional courses for 1st year students of the 6-year Medicine Program in English for academic year 2023/2024:

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| No. | **Optional courses exclusively**  **for 1st year** | **Person in charge** | **Winter semester** | | | | | **Summer semester** | | | | | **Total ECTS** |
| **L** | **S** | **C** | **ECTS** | **Form of crediting** | **L** | **S** | **C** | **ECTS** | **Form of crediting** |
| 1. | Physical anthropology (10 hours, to be completed in the winter or the summer semester) | dr Paweł Dąbrowski | - | 10 | - | *0,5* | grade | - | 10 | - | *0,5* | grade | *0,5* |
| 2. | Proteins and macromolecules in health and disease | dr Małgorzata Pupek | - | - | - | *-* | - | - | 10 | - | *0,5* | grade | *0,5* |
| 3. | Cell and tissue culture | dr Sylwia Borska | - | - | - | *-* | - | - | - | 10 LC | *0,5* | grade | *0,5* |
| 4. | Units of measurement for drug calculations | dr Jolanta Lis-Kuberka | - | 10 | - | *0,5* | grade | - | - | - | *-* | grade | *0,5* |
| 5. | Basic reactions of organic compounds in a living organism | dr Anna Kałuża | - | - | - | *-* | - | - | 10 | - | *0,5* | grade | *0,5* |
| 6. | Library training (10 hours, to be completed in the winter or the summer semester) | mgr Dominika Sidorska | - | 10EL | - | *0,5* | grade | - | 10EL | - | *0,5* | grade | *0,5* |
| 7. | Techniques in molecular medicine | dr hab. Małgorzata Małodobra-Mazur | - | - | - | *-* | - | - | - | 20LC | *1,0* | grade | *1,0* |

##### List of optional courses for 2nd year students of the 6-year Medicine Program in English for academic year 2023/2024:

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **No.** | **Optional courses exclusively**  **for 2nd year** | **Person in charge** | **Winter semester** | | | | | **Summer semester** | | | | | **Total ECTS** |
| **L** | **S** | **C** | **ECTS** | **Form of crediting** | **L** | **S** | **C** | **ECTS** | **Form of crediting** |
| 1. | Anatomic basis for the physical medical examination | dr Marek Syrycki, prof. WMU | - | - | - | *-* | - | - | 20 | - | *1,0* | grade | *1,0* |
| 2. | Medical Polish | mgr Edyta Murawska-Klamut | - | - | - | *-* | - | - | 30L | - | *1,5* | grade | *1,5* |
| 3. | Selected issues in clinical biochemistry | dr Mariusz Bromke | - | 20 | - | *1,0* | grade | - | - | - | *-* | grade | *1,0* |

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##### List of optional courses for 3rd year students of the 6-year Medicine Program in English for academic year 2023/2024:

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| No. | **Optional courses exclusively**  **for 3rd year** | **Person in charge** | **Winter semester** | | | | | **Summer semester** | | | | | **Total ECTS** |
| **L** | **S** | **C** | **ECTS** | **Form of crediting** | **L** | **S** | **C** | **ECTS** | **Form of crediting** |
| 1. | Scientific information (10 hours, to be completed in the winter or the summer semester) | mgr Dominika Sidorska | - | 10EL | - | *0,5* | grade | - | 10EL | - | *0,5* | grade | *0,5* |
| 2. | The new trends in laboratory diagnostic | dr Iwona Bednarz-Misa, prof. WMU | - | - | - | *-* | - | - | 20 | - | *1,0* | grade | *1,0* |

##### List of optional courses for 4th year students of the 6-year Medicine Program in English for academic year 2023/2024:

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **No.** | **Optional courses exclusively**  **for 4th year** | **Person in charge** | **Winter semester** | | | | | **Summer semester** | | | | | **Total ECTS** |
| **L** | **S** | **C** | **ECTS** | **Form of crediting** | **L** | **S** | **C** | **ECTS** | **Form of crediting** |
| 1. | Neonatal surgery | lek. Alicja Kalcowska | - | 20 | - | *1,0* | grade | - | - | - | *-* | - | *1,0* |
| 2. | Pediatric oncologic surgery | lek. Alicja Kalcowska | - | 20 | - | *1,0* | grade | - | - | - | *-* | - | *1,0* |
| 3. | Diet in prophylaxis and nutritional treatment in diseases of the gastrointestinal tract in children medicine (20 hours, to be completed in the winter or the summer semester) | dr Anna Kofla-Dłubacz | - | 20 | - | *1,0* | grade | - | 20 | - | *1,0* | grade | *1,0* |
| 4. | Sports medicine | prof. Paweł Reichert | - | - | - | *-* | - | - | 30 | - | *1,5* | grade | *1,5* |
| 5. | Modern methods of diagnosis and treatment of ear diseases | dr hab. Marcin Frączek | - | 10 | - | *0,5* | grade | - | - | - | - | - | *0,5* |
| 6. | Preventive care in family medicine (10 hours, to be completed in the winter or the summer semester) | dr hab. Maria Bujnowska-Fedak, prof. WMU | - | - | 10CC | *0,5* | grade | - | - | 10CC | *0,5* | grade | *0,5* |
| 7. | Crisis resource management. | mgr Mariusz Koral | - | - | - | - | - | - | - | 30CS | *1,5* | grade | *1,5* |

##### List of optional courses for 1st-2nd year students of the 6-year Medicine Program in English for academic year 2023/2024:

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| No. | **Optional courses**  **for 1st-2nd year** | **Person in charge** | **Winter semester** | | | | | **Summer semester** | | | | | **Total ECTS** |
| **L** | **S** | **C** | **ECTS** | **Form of crediting** | **L** | **S** | **C** | **ECTS** | **Form of crediting** |
| 1. | Immunohistochemistry and electron microscopy methods in evaluation of the morphology of various tissues and organ | prof. Paweł Surowiak | - | - | - | *-* | - | - | - | 10 LC | *0,5* | grade | *0,5* |

##### List of optional courses for 1st-3rd year students of the 6-year Medicine Program in English for academic year 2023/2024:

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| No. | **Optional courses**  **for 1st-3rd year** | **Person in charge** | **Winter semester** | | | | | **Summer semester** | | | | | **Total ECTS** |
| **L** | **S** | **C** | **ECTS** | **Form of crediting** | **L** | **S** | **C** | **ECTS** | **Form of crediting** |
| 1. | Prevention of cardiovascular diseases (20 hours, to be completed in the winter or the summer semester) | prof. Małgorzata Sobieszczańska | - | 20 | - | *1,0* | grade | - | 20 | - | *1,0* | grade | *1,0* |
| 2. | Laughter therapy (20 hours, to be completed in the winter or the summer semester) | dr Maria Kmita | - | 20 | - | *1,0* | grade | - | 20 | - | *1,0* | grade | *1,0* |

**List of optional courses for 1st-4th year students of the 6-year Medicine Program in English for academic year 2023/2024:**

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| No. | **Optional courses**  **for 1st-4th year** | **Person in charge** | **Winter semester** | | | | | **Summer semester** | | | | | **Total ECTS** |
| **L** | **S** | **C** | **ECTS** | **Form of crediting** | **L** | **S** | **C** | **ECTS** | **Form of crediting** |
| 1. | Surface anatomy | dr Joanna Grzelak | - | - | - | *-* | - | - | 10 | - | *0,5* | grade | *0,5* |
| 2. | Can we grow old in a good health? (20 hours, to be completed in the winter or the summer semester) | dr Joanna Żórawska | - | 20 | - | *1,0* | grade | - | 20 | - | *1,0* | grade | *1,0* |
| 3. | Alternative diets (10 hours, to be completed in the winter or the summer semester) | dr Alicja Basiak-Rasała | - | 10 | - | *0,5* | grade | - | 10 | - | *0,5* | grade | *0,5* |

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| 4. | Food additives and genetically modified food – facts and myths (10 hours, to be completed in the winter or the summer semester) | dr Alicja Basiak-Rasała | - | 10 | - | *0,5* | grade | - | 10 | - | *0,5* | grade | *0,5* |
| 5 | Strategic snapping (30 hours, to be completed in the winter or the summer semester) | dr Maria Kmita | - | 30 | - | *1,5* | grade | - | 30 | - | *1,5* | grade | *1,5* |
| 6. | Dysregulation of the microbiota-gut-brain axis in oncology and selected psychiatric disorders: the importance of the gut microbiota. –SUSPENED- | dr hab. Kamila Środa-Pomianek | - | - | - | *-* | - | - | 20 | - | *1,0* | grade | *1,0* |
| 7. | Eponyms. Names in medical terminology. | dr Adam Skalski | - | - | - | *-* | - | - | 10 | - | *0,5* | grade | *0,5* |
| 8. | Exercise physiology. | mgr inż. Wojciech Łopusiewicz | - | - | - | *-* | - | - | 20 | - | *1,0* | grade | *1,0* |
| 9. | How effectively plan your time? (10 hours to be completed in the winter or the summer semester) | dr Dagmara Gaweł-Dąbrowska | - | 10 | - | *0,5* | grade | - | 10 | - | *0,5* | grade | *0,5* |
| 10. | Conflicts – methods of analyzing and solving (10 hours, to be completed in the winter or the summer semester) | dr Dagmara Gaweł-Dąbrowska | - | 10 | - | *0,5* | grade | - | 10 | - | *0,5* | grade | *0,5* |
| 11. | Mental crisis and trauma – the basis of diagnostics and therapeutic procedures (30 hours, to be completed for 2 semesters) | prof. Donata Kurpas | - | 10 | - | *0,5* | grade | - | 20 | - | *1,0* | grade | *1,5* |
| 12. | Treatment as teamwork (10 hours to be completed in the winter or the summer semester) | dr Dagmara Gaweł-Dąbrowska | - | 10 | - | *0,5* | grade | - | 10 | - | *0,5* | grade | *0,5* |
| 13. | Medical aspects of social pathologies (30 hours, to be completed **for** 2 semesters) | dr Robert Susło | - | 10 | - | *0,5* | grade | - | 20 | - | *1,0* | grade | *1,5* |
| 14. | Forensic aspects of practical anatomy (30 hours, to be completed in the winter or the summer semester) | dr Jędrzej Siuta | - | 30 | - | *1,5* | grade | - | 30 | - | *1,5* | grade | *1,5* |
| 15. | Forensic aspects of traffic accidents (30 hours, to be completed in the winter or the summer semester) –SUSPENDED- | dr Jędrzej Siuta | - | 30 | - | *1,5* | grade | - | 30 | - | *1,5* | grade | *1,5* |
| 16. | Molecular basis of parasitological diagnostics | dr hab. Marta Kicia, prof. WMU | - | - | - | *-* | - | - | - | 30LC | *1,5* | grade | *1,5* |
| 17. | Non-specific therapeutic factors (30 hours, to be completed **for** 2 semesters) | prof. Donata Kurpas | - | 20 | - | *1,0* | grade | - | 10 | - | *0,5* | grade | *1,5* |
| 18. | From malnutrition to obesity – background, health consequences, prevention (10 hours, to be completed in the winter or the summer semester) | dr Alicja Basiak-Rasała | - | 10 | - | *0,5* | grade | - | 10 | - | *0,5* | grade | *0,5* |
| 19. | Forensic aspects of data security and communication in medicine (30 hours, to be completed **for** 2 semesters) | dr Robert Susło | - | 10 | - | *0,5* | grade | - | 20 | - | *1,0* | grade | *1,5* |
| 20. | Forensic applications of modern medical  diagnostic techniques (30 hours, to be completed **for** 2 semesters) | dr Robert Susło | - | 10 | - | *0,5* | grade | - | 20 | - | *1,0* | grade | *1,5* |

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| 21. | Introduction to practical implementation of artificial intelligence to medicine | dr Agnieszka Siennicka | - | - | - | *-* | - | - | 20 | - | *1,0* | grade | *1,0* |
| 22. | Selected elements of head and neck ultrasound anatomy | dr Zygmunt Domagała | - | - | 10CS | *0,5* | grade | - | - | - | *-* | grade | *0,5* |
| 23. | Selected forms of physical activity in health prevention. | dr Aureliusz Kosendiak | - | - | - | *-* | - | - | 30 | - | *1,5* | grade | *1,5* |
| 24. | Selected topics in therapeutic massage with elements of self-therapy. | dr n. med. inż. Urszula Walczuk | - | 30 | - | *1,5* | grade | - | - | - | *-* | - | *1,5* |
| 25. | Nutrition and noncommunicable diseases (10 hours, to be completed in the winter or the summer semester) | dr Alicja Basiak-Rasała | - | 10 | - | *0,5* | grade | - | 10 | - | *0,5* | grade | *0,5* |

##### List of optional courses for 2nd-3rd year students of the 6-year Medicine Program in English for academic year 2023/2024:

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| No. | **Optional courses**  **for 2nd-3rd year** | **Person in charge** | **Winter semester** | | | | | **Summer semester** | | | | | **Total ECTS** |
| **L** | **S** | **C** | **ECTS** | **Form of crediting** | **L** | **S** | **C** | **ECTS** | **Form of crediting** |
| 1. | The Autonomic Nervous System: Physiology, Testing and Clinical Implication | dr hab. Bartłomiej Paleczny | - | - | - | *-* | - | - | 30 | - | *1,5* | grade | *1,5* |

##### List of optional courses for 2nd-4th year students of the 6-year Medicine Program in English for academic year 2023/2024:

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| No. | **Optional courses**  **for 2nd-4th year** | **Person in charge** | **Winter semester** | | | | | **Summer semester** | | | | | **Total ECTS** |
| **L** | **S** | **C** | **ECTS** | **Form of crediting** | **L** | **S** | **C** | **ECTS** | **Form of crediting** |
| 1. | Diagnostic of hypersensitivity reactions | dr Magdalena Zemelka-Wiącek | - | - | - | *-* | - | - | 20 | - | *1,0* | grade | *1,0* |
| 2. | Neuroanatomy (20 hours, to be completed in the winter or the summer semester) | dr Marek Syrycki, prof. WMU | - | 20 | - | *1,0* | grade | - | 20 | - | *1,0* | grade | *1,0* |
| 3. | The clinical usage of histological methods (30 hours, to be completed in the winter or the summer semester) | dr Christopher Kobierzycki | - | - | 30LC | *1,5* | grade | - | - | 30LC | *1,5* | grade | *1,5* |
| 4. | Virology | prof. Beata Sobieszczańska | - | 20 | - | *1,0* | grade | - | - | - | *-* | - | *1,0* |

##### List of optional courses for 3rd-4th year students of the 6-year Medicine Program in English for academic year 2023/2024:

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| No. | **Optional courses**  **for 3rd-4th year** | **Person in charge** | **Winter semester** | | | | | **Summer semester** | | | | | **Total ECTS** |
| **L** | **S** | **C** | **ECTS** | **Form of crediting** | **L** | **S** | **C** | **ECTS** | **Form of crediting** |
| 1. | Aesthetic dermatology | dr hab. Danuta Nowicka | - | - | - | *-* | - | - | 20 | - | *1,0* | grade | *1,0* |
| 2. | The distinctness of the anatomy in childhood | dr Marek Syrycki, prof. WMU | - | 20 | - | *1,0* | grade | - | - | - | - | grade | *1,0* |
| 3. | Innovative and emerging approaches in the management of patients with heart diseases | dr Michał Tkaczyszyn | - | - | - | *-* | - | - | - | 20CC | *1,0* | grade | *1,0* |
| 4. | Techniques in molecular medicine- clinical application | dr hab. Małgorzata Małodobra-Mazur | - | - | - | *-* | - | - | - | 20LC | *1,0* | grade | *1,0* |