

**ENGLISH PROGRAM STUDY FOR INTERNATIONAL STUDENTS**  
**FACULTY OF PHYSICS AND ASTRONOMY AMU**

| Lp.           | Professor                                                                                                                              | Course                                                                                            | Semestr | No of hours of lecture | No of hours of classe | No of hours of lab. | ECTS | Day/Hour | Classroom |
|---------------|----------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|---------|------------------------|-----------------------|---------------------|------|----------|-----------|
| <b>SUMMER</b> |                                                                                                                                        |                                                                                                   |         |                        |                       |                     |      |          |           |
| 1.            | Prof. UAM dr hab. Anna Marciniak<br><a href="https://amupie.amu.edu.pl/939/details">https://amupie.amu.edu.pl/939/details</a>          | Astronomy                                                                                         | summer  | 30                     | 15                    |                     | 4    |          |           |
| 2.            | Dr Wojciech Czart<br><a href="https://amupie.amu.edu.pl/2283/details">https://amupie.amu.edu.pl/2283/details</a>                       | AI Models Pre-training and Training in Digital Reality Environments and 3D/XR Simulators Building | summer  | 30                     | 30                    |                     | 5    |          |           |
| 3.            | Prof. dr hab. Adam Lipowski<br><a href="https://amupie.amu.edu.pl/1340/details">https://amupie.amu.edu.pl/1340/details</a>             | Computational Modeling Of Complex Systems                                                         | summer  | 30                     | 15                    |                     | 5    |          |           |
| 4.            | Prof. UAM dr hab. Przemysław Chelminiak<br><a href="https://amupie.amu.edu.pl/1262/details">https://amupie.amu.edu.pl/1262/details</a> | Extraordinary applications of statistical physics                                                 | summer  | 30                     | 15                    |                     | 5    |          |           |
| 5.            | Dr Małgorzata Wawrzyniak- Adamczewska<br><a href="https://amupie.amu.edu.pl/2278/details">https://amupie.amu.edu.pl/2278/details</a>   | Introduction to Optics                                                                            | summer  | 30                     | 15                    |                     | 5    |          |           |
| 6.            | Dr Agnieszka Boś-Liedke<br><a href="https://amupie.amu.edu.pl/2350/details">https://amupie.amu.edu.pl/2350/details</a>                 | Introduction to nuclear medicine                                                                  | summer  | 30                     |                       |                     | 4    |          |           |
| 7.            | Prof. UAM dr hab. Grzegorz Musiał<br><a href="https://amupie.amu.edu.pl/944/details">https://amupie.amu.edu.pl/944/details</a>         | Parallel Processing In Distributed Systems                                                        | summer  | 30                     |                       |                     | 5    |          |           |
| 8.            | Prof. UAM dr hab. Aleksandra Trzaskowska                                                                                               | Solid State Physics 2                                                                             | summer  | 30                     | 15                    |                     | 5    |          |           |
| 9.            | Prof. UAM dr hab. J.W. Kłos                                                                                                            | Quantum Mechanics 2                                                                               | summer  | 30                     | 15                    |                     | 5    |          |           |
| <b>WINTER</b> |                                                                                                                                        |                                                                                                   |         |                        |                       |                     |      |          |           |
| 10.           | Prof. UAM dr hab. Jędrzej Kociński                                                                                                     | Active methods of noise reduction                                                                 | winter  | 10                     |                       |                     | 1    |          |           |
| 11.           | Dr Michał Antkowiak<br><a href="https://amupie.amu.edu.pl/1482/details">https://amupie.amu.edu.pl/1482/details</a>                     | Artificial Intelligence                                                                           | winter  | 30                     | 15                    |                     | 4    |          |           |
| 12.           | Dr Wojciech Czart<br><a href="https://amupie.amu.edu.pl/2282/details">https://amupie.amu.edu.pl/2282/details</a>                       | Artificial Intelligence Neural Networks – LLM and Generative AI                                   | winter  | 30                     | 30                    |                     | 5    |          |           |
| 13.           | Prof. UAM dr hab. Przemysław Chelminiak                                                                                                | Classical Mechanics                                                                               | winter  | 30                     | 15                    |                     | 5    |          |           |
| 14.           | Dr Michał Tanaś                                                                                                                        | Design of Logic Circuits                                                                          | winter  | 15                     | 30                    |                     | 5    |          |           |
| 15.           | Dr Maciej Bąk<br><a href="https://amupie.amu.edu.pl/2197/details">https://amupie.amu.edu.pl/2197/details</a>                           | Digital Revolution in Science                                                                     | winter  | 30                     |                       |                     | 3    |          |           |

|     |                                                                                                                                         |                                                                  |        |    |    |    |   |  |  |
|-----|-----------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|--------|----|----|----|---|--|--|
|     |                                                                                                                                         |                                                                  |        |    |    |    |   |  |  |
| 16. | Prof. dr hab. Ireneusz Weymann<br><a href="https://amupie.amu.edu.pl/1969/details">https://amupie.amu.edu.pl/1969/details</a>           | Electric and Thermoelectric Transport at the Nanoscale           | winter | 30 | -  |    | 3 |  |  |
| 17. | Prof UAM dr hab. Aleksandra Pajzderska<br><a href="https://amupie.amu.edu.pl/2005/details">https://amupie.amu.edu.pl/2005/details</a>   | Introduction to Neutron Scattering                               | winter | 30 |    |    | 3 |  |  |
| 18. | Prof UAM dr hab. Aleksandra Pajzderska<br><a href="https://amupie.amu.edu.pl/2006/details">https://amupie.amu.edu.pl/2006/details</a>   | Introduvtion to Nuclear Physics                                  | winter | 30 |    |    | 4 |  |  |
| 19. | Dr Małgorzata Wawrzyniak- Adamczewska<br><a href="https://amupie.amu.edu.pl/2277/details">https://amupie.amu.edu.pl/2277/details</a>    | Introduction to Physics Laboratory and Basics Physics Experiment | winter | 30 | 15 |    | 5 |  |  |
| 20. | Hab. UAM dr hab. Grzegorz Musiał<br><a href="https://amupie.amu.edu.pl/1927/details">https://amupie.amu.edu.pl/1927/details</a>         | Linux, shell and system programming                              | winter | 30 |    |    | 5 |  |  |
| 21. | Prof. UAM dr hab. Jędrzej Kociński                                                                                                      | Room Acoustics                                                   | winter | 15 |    | 15 | 2 |  |  |
| 22. | Prof. UAM dr hab. Aleksandra Trzaskowska<br><a href="https://amupie.amu.edu.pl/1614/details">https://amupie.amu.edu.pl/1614/details</a> | Solid State Physics 1                                            | winter | 30 | 15 |    | 5 |  |  |
| 23. | Prof. dr hab. Marcin Ziółek<br><a href="https://amupie.amu.edu.pl/1913/details">https://amupie.amu.edu.pl/1913/details</a>              | Sunlight Energy Conversion                                       | winter | 30 |    |    | 3 |  |  |
| 24. | Dr Thomas Vasileiadis                                                                                                                   | Quantum Mechanics 1                                              | winter | 30 | 15 |    | 5 |  |  |
| 25. | Dr Monika Mokracka-Rydyk                                                                                                                | Electricity and magnetism                                        | winter | 30 | 15 |    | 4 |  |  |