# **Course Offer 2022 - 2023 Institute of Mathematics**

**Erasmus+ Coordinator’s name: Renata Modzelewska-Łagodzin e-mail address: renatam@uph.edu.pl**

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| **Course Title in Polish** | **Course Title in English** | **Cycle of studies** | **Field of study** | **Lecture hours**  **Duration** | **Class hours**  **Duration** | **Lab hours**  **Duration** | **ECTS credits** | **Lecturer’s name** | **Lecturer’s e-mail address** |
| **Winter semester** |  |  |  |  |  |  |  |  |  |
| **Wstęp do logiki i teorii mnogości** | **Introduction to mathematical logic and set theory** | **first-cycle studies** | **Mathematics** | **30** | **45** |  | **6** | **E. Wajch** | [**eliza.wajch@wp.pl**](mailto:eliza.wajch@wp.pl) |
| **Wstęp do topologii** | **Introduction to topology** | **first-cycle studies** | **Mathematics** | **15** | **30** |  | **4** | **E. Wajch** | [**eliza.wajch@wp.pl**](mailto:eliza.wajch@wp.pl) |
| **Równania różniczkowe zwyczajne** | **Ordinary differential equations** | **first-cycle studies** | **Mathematics** | **30** | **30** |  | **7** | **D. Kozak-Superson** | [**dorota.kozak-superson@uph.edu.pl**](mailto:dorota.kozak-superson@uph.edu.pl) |
| **Fizyka dla informatyków** | **Physics** | **first-cycle studies** | **Mathematics or Computer Science** | **15** |  | **30** | **5** | **A. Gil-Świderska** | [**gila@uph.edu.pl**](mailto:gila@uph.edu.pl) |
| **Rachunek całkowy** | **Integral calculus** | **first-cycle studies** | **Mathematics** | **45** | **60** |  | **9** | **B. Medak** | [**beata.medak@uph.edu.pl**](mailto:beata.medak@uph.edu.pl) |
| **Statystyka medyczna** | **Medical statistics** | **second-cycle studies** | **Nursing or Mathematics** | **15** | **25** |  | **4** | **A. Siłuszyk** | **agnieszka.siluszyk@uph.edu.pl** |
| **Ekonomia matematyczna** | **Mathematical economics** | **first-cycle studies** | **Mathematics** | **30** | **30** |  | **6** | **A. Siłuszyk** | **agnieszka.siluszyk@uph.edu.pl** |
| **Algebra liniowa I** | **Linear Algebra I** | **first-cycle studies** | **Mathematics** | **30** | **45** |  | **7** | **M. Jastrzębska** | [**malgorzata.jastrzebska@uph.edu.pl**](mailto:malgorzata.jastrzebska@uph.edu.pl) |
| **Matematyka dyskretna** | **Discrete Mathematics** | **first-cycle studies** | **Mathematics** | **30** | **30** |  | **6** | **B. Piekart** | **bozena.piekart@uph.edu.pl** |
| **Statystyka matematyczna** | **Mathematical Statistics** | **first-cycle studies** | **Mathematics** | **30** |  | **30** | **6** | **A. Prusińska** | [**agnieszka.prusinska@uph.edu.pl**](mailto:agnieszka.prusinska@uph.edu.pl) |
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| **Spring semester** |  |  |  |  |  |  |  |  |  |
| **Rachunek różniczkowy** | **Differential Calculus** | **first-cycle studies** | **Mathematics** | **45** | **60** |  | **9** | **B. Piekart** | **bozena.piekart@uph.edu.pl** |
| **Algebra liniowa II** | **Linear Algebra II** | **first-cycle studies** | **Mathematics** | **30** | **45** |  | **7** | **M. Jastrzębska** | **malgorzata.jastrzebska@uph.edu.pl** |
| **Podstawy techniki cyfrowej** | **Fundamentals of Digital Techniques** | **first-cycle studies** | **Computer Science** | **15** | **30** |  | **4** | **M. Siluszyk** | [**marek.siluszyk@uph.edu.pl**](mailto:marek.siluszyk@uph.edu.pl) |
| **Ekonometria** | **Econometrics** | **first-cycle studies** | **Mathematics** | **30** |  | **30** | **5** | **A. Siłuszyk** | **agnieszka.siluszyk@uph.edu.pl** |
| **Geometria analityczna** | **Analytic Geometry** | **first-cycle studies** | **Mathematics** | **30** | **30** |  | **6** | **B. Medak** | [**beata.medak@uph.edu.pl**](mailto:beata.medak@uph.edu.pl) |
| **Algebra abstrakcyjna** | **Abstract Algebra** | **first-cycle studies** | **Mathematics** | **45** | **45** |  | **8** | **M. Jastrzębska** | [**malgorzata.jastrzebska@uph.edu.pl**](mailto:malgorzata.jastrzebska@uph.edu.pl) |
| **Rachunek prawdopodobieństwa** | **Probability Theory** | **first-cycle studies** | **Mathematics** | **30** | **45** |  | **7** | **S. Kęska** | [**sergiusz.keska@uph.edu.pl**](mailto:sergiusz.keska@uph.edu.pl) |