Jan Kochanowski University of Kielce

Academic year 2021/2022

Faculty of Natural Sciences

Department of Mathematics

Field of study: Mathematics

Academic coordinator: dr Magdalena Nowak

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| MATHEMATICS | | | | | |
| Course unit | Przedmiot | Type | ECTS | Completion requirements | Academic hours per semester |
| WINTER SEMESTER (1) | | | | | |
| Mathematical Analysis III | Analiza matematyczna III | Lecture and classes | 8 | Exam  and graded credit | 120  (60 + 60) |
| Introduction to Differential Equations | Wstęp do równań różniczkowych | Lecture and classes | 2 | Exam  and graded credit | 30  (15 + 15) |
| BA Diploma Seminar I | Seminarium dyplomowe I | seminar | 3 | graded credit | 30 |
| Bachelor Thesis Workshop I | Pracownia dyplomowa I | tutorial | 3 | graded credit | 30 |
| Introduction to differential geometry | Wstęp do geometrii różniczkowej | Lecture and classes | 4 | graded credit | 60  (30+30) |
| Topology I | Topologia I | Lecture and classes | 4 | Exam  and graded credit | 60  (30+30) |
| Statistics I | Statystyka I | Lecture and classes | 4 | graded credit | 60  (30+30) |
| Monographical lecture | Wykład monograficzny | Lecture | 1 | graded credit | 15 |
| SUMMER SEMESTER (2) | | | | | |
| Mathematical Analysis IV | Analiza matematyczna IV | Lecture and classes | 4 | graded credit | 60  (30 + 30) |
| Foundations of cryptography | Podstawy kryptografii | Lecture and classes | 5 | graded credit | 60  (30 + 30) |
| BA Diploma Seminar II | Seminarium dyplomowe II | seminar | 3 | graded credit | 30 |
| Bachelor Thesis Workshop II | Pracownia dyplomowa II | tutorial | 3 | graded credit | 30 |
| Functional analysis | Analiza funkcjonalna | Lecture and classes | 4 | Exam  and graded credit | 60  (30+30) |
| Algebraic geometry | Geometria algebraiczna | Lecture and classes | 3 | Exam  and graded credit | 45  (15+30) |
| Monographical lecture | Wykład monograficzny | lecture | 2 | graded credit | 30 |
| Analysis of Algorithms and Numerical Methods | Metody numeryczne | Lecture and classes | 3 | graded credit | 45  (15 + 30) |