Jan Kochanowski University of Kielce
Academic year 2026/2027
Faculty of Natural Sciences
Department of Mathematics
Field of study: Mathematics
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Detailed description of the courses below is available at:
https://matematyka.ujk.edu.pl/index.php/course-cards-for-exchange-students/

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)
Abstract algebra I	Algebra abstrakcyjna I	Lecture and classes	4	graded credit	60 (30+30)
Introduction to Differential Equations	Wstęp do równań różniczkowych	Lecture and classes	2	Exam and graded credit	30 (15 + 15)
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)
Measure and Integral Theory	Teoria miary i całki	Lecture and classes	4	Exam and graded credit	60 (30+30)
Complex Analysis	Analiza zespolona	Lecture and classes	4	Exam and graded credit	60 (30+30)
Topology II	Topologia II	Lecture and classes	4	Exam and graded credit	60 (30+30)
Differential Equations	Równania różniczkowe	Lecture and classes	4	Exam and graded credit	60 (30+30)
BA Diploma Seminar	Seminarium dyplomowe	seminar	2	graded credit	30
Bachelor Thesis Workshop	Pracownia dyplomowa	tutorial	2	graded credit	30

Masters Thesis Seminar II	Seminarium magisterskie II	seminar	3	graded credit	30
Masters Thesis Workshop II	Pracownia magisterska II	tutorial	3	graded credit	30
Monographical Lecture (Bachelor)	Wykład monograficzny (licencjackie)	Lecture	1	graded credit	15
Monographical lecture II (Master)	Wykład monograficzny (magisterskie)	Lecture	2	graded credit	30
Graph Theory *	Teoria grafów (fakultatywny)	Lecture and classes	4	graded credit	45 (15 + 30)
Geometry of Banach Spaces *	Geometria przestrzeni Banacha (fakultatywny)	Lecture and classes	4	graded credit	45 (15 + 30)
Integral Transformations *	Transformacje całkowe (fakultatywny)	Lecture and classes	4	graded credit	45 (15 + 30)
Galois Theory *	Teoria Galois (fakultatywny)	Lecture and classes	4	graded credit	45 (15 + 30)
SUMMER SEMESTER (2)					
Mathematical Analysis IV	Analiza matematyczna IV	Lecture and classes	4	graded credit	60 (30 + 30)
Functional Analysis	Analiza funkcjonalna	Lecture and classes	4	Exam and graded credit	60 (30+30)
Fractals Theory	Teoria fraktali	Lecture and classes	3	Exam And graded credit	45 (15 + 30)
Monographical Lecture (Bachelor)	Wykład monograficzny	lecture	2	Exam	30
Monographical Lecture I (Master)	Wykład monograficzny	lecture	2	graded credit	30
Monographical Lecture III (Master)	Wykład monograficzny	lecture	2	graded credit	30
BA Diploma Seminar	Seminarium dyplomowe	seminar	6	graded credit	30
Bachelor Thesis Workshop	Pracownia dyplomowa	tutorial	7	graded credit	30
Masters Thesis Seminar I	Seminarium magisterskie I	seminar	2	graded credit	30

Master Thesis Workshop I	Pracownia magisterska I	tutorial	2	graded credit	30
Masters Thesis Seminar III	Seminarium magisterskie III	seminar	4	graded credit	30
Masters Thesis Workshop III	Pracownia magisterska III	tutorial	6	graded credit	30
Category Theory *	Teoria kategorii (fakultatywny)	Lecture and classes	4	Exam and graded credit	45 (15 + 30)
Algebraic Geometry*	Geometria algebraiczna (fakultatywny)	Lecture and classes	4	graded credit	45 (15+30)
Topological Vector Spaces*	Przestrzenie liniowo-topologiczne (fakultatywny)	Lecture and classes	4	graded credit	45 (15+30)

* - to be confirmed