Jan Kochanowski University of Kielce

Academic year: 2022/2023

Faculty of Natural Sciences

Field of study: Biotechnology

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| BIOTECHNOLOGY |
| Course unit | Przedmiot | Type | ECTS | Completion requirements  | Academic hours per semester |
| WINTER SEMESTER (1) |
| Industrial and Environmental Microbiology | Mikrobiologia przemysłowa i środowiskowa  | lecture | 4 | examination | 30 |
| Industrial and Environmental Microbiology | Mikrobiologia przemysłowa i środowiskowa  | laboratory | graded credit | 30 |
| Bachelor Seminar | Seminarium licnecjackie | seminar  | 3 | graded credit | 30 |
| Master Seminar | Seminarium magisterskie | seminar | 2 | graded credit | 60 |
| Molecular and clinical diagnostics | Diagnostyka molekularna i kliniczna | lecture | 2 | graded credit | 15 |
| Molecular and clinical diagnostics | Diagnostyka molekularna i kliniczna | laboratory | graded credit | 15 |
| General and Analytical Chemistry | Chemia ogólna i analityczna | lecture | 6 | examination | 30 |
| General and Analytical Chemistry | Chemia ogólna i analityczna | laboratory | graded credit | 45 |
| Physical Chemistry II | Chemia fizyczna II | lecture | 5 | examination | 30 |
| Physical Chemistry II | Chemia fizyczna II | classes | graded credit | 30 |
| Organic and Bioorganic Chemistry | Chemia organiczna i bioorganiczna | lecture | 3 | examination | 30 |
| Organic and Bioorganic Chemistry | Chemia organiczna i bioorganiczna | classes | graded credit | 15 |
| Microbial Genetics | Genetyka drobnoustrojów | lecture | 3 | examination | 15 |
| Microbial Genetics | Genetyka drobnoustrojów | classes | graded credit | 30 |
| SUMMER SEMESTER (2) |
| Bachelor Seminar | Seminarium licnecjackie | seminar | 3 | graded credit | 30 |
| Master Seminar | Seminarium magisterskie | seminar | 2 | graded credit | 30 |
| Master Seminar | Seminarium magisterskie | seminar | 5 | graded credit | 30 |
| Organic and Bioorganic Chemistry | Chemia organiczna i bioorganiczna | classes | 4 | graded credit | 15 |
| Organic and Bioorganic Chemistry | Chemia organiczna i bioorganiczna | laboratory | graded credit | 30 |
| Principles of Physical Chemistry | Podstawy chemii fizycznej | lecture | 4 | examination | 15 |
| Principles of Physical Chemistry | Podstawy chemii fizycznej | classes | graded credit | 15 |
| Principles of Physical Chemistry | Podstawy chemii fizycznej | laboratory | graded credit | 20 |
| Bioinformatics | Bioinformatyka | lecture | 2 | graded credit | 15 |
| Bioinformatics | Bioinformatyka | laboratory | graded credit | 15 |
| Fundamentals of Chromatography in Biotechnology | Podstawy chromatografii w biotechnologii | lecture | 4 | examination | 20 |
| Fundamentals of Chromatography in Biotechnology | Podstawy chromatografii w biotechnologii | classes | graded credit | 10 |
| Fundamentals of Chromatography in Biotechnology | Podstawy chromatografii w biotechnologii | laboratory | graded credit | 30 |
| Chromatography of Biomolecules | Chromatografia biocząsteczek | lecture | 5 | examination | 30 |
| Chromatography of Biomolecules | Chromatografia biocząsteczek | laboratory | graded credit | 45 |