**Jan Kochanowski University in Kielce**

**Faculty of Mathematics and Natural Sciences**

**Fields of study: Biotechnology**

**Institute coordinator: Dariusz Wideł, PhD**

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**BIOTECHNOLOGY**

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| --- | --- | --- | --- |
| Course\* | Lecturer | Year of study | ECTS credits in the semester |
| winter | summer |
| Industrial and Environmental Microbiology  | Kaca Wiesław, Prof. | 3 (1st) | 6 |  |
| Bachelor Seminar | Kaca Wiesław, Prof. | 3 (1st) | 3 | 3 |
| Master Seminar | Kaca Wiesław, Prof. | 1 (2nd) |  | 2 |
| 2 (2nd) | 2 | 5 |
| Microbial Fuel Cells  | Paulina Zarnowiec, PhD  | 2 (2nd) | 2 |  |
|  Medical Microbiology | Kaca Wiesław, Prof. | 2 (2nd) |  | 4 |
| General and Analytical Chemistry | Barszcz Barbara, prof.Masternak Joanna, PhD | 1 (1st) | 6 |  |
| Principles of Physical Chemistry | Repelewicz Marta, PhDWideł Dariusz, PhD | 1 (1st) |  | 4 |
| Physical Chemistry II | Repelewicz Marta, PhDWideł Dariusz, PhD | 1 (2nd) | 5 |  |
| Organic and Bioorganic Chemistry | Wzorek Alicja, PhD  | 1 (1st) | 3 | 4 |
| Bioinformatics | Zajac Elzbieta , PhD | 2 (1st) |  | 2 |
| Fundamentals of Chromatography in Biotechnology | Witkiewicz Zygfryd, Prof.Wideł Dariusz, PhD | 3 (1st) |  | 4 |
| Chromatography of Biomolecules | Witkiewicz Zygfryd, Prof.Wideł Dariusz, PhD | 1 (2nd) |  | 5 |
| Microbial Genetics | Czerwonka Grzegorz, PhD | 3 (1st) | 3 |  |
|  |  | Total ECTS | 30 | 33 |

\*the other courses must be consulted individually; incoming student can also choose courses from the list of biology, chemistry, geography and environmental protection