Jan Kochanowski University of Kielce

Academic year: 2022/2023

Faculty of Natural Sciences

Field of study: Chemistry

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| CHEMISTRY |
| Course unit | Przedmiot | Type | ECTS | Completion requirements  | Academic hours per semester |
| WINTER SEMESTER (1) |
| Physical chemistry | Chemia fizyczna | lecture | 12 | examination | 60 |
| Physical chemistry | Chemia fizyczna | classes | graded credit | 45 |
| Physical chemistry | Chemia fizyczna | laboratory | graded credit | 60 |
| Mathematics | Matematyka | lecture | 8 | examination | 30 |
| Mathematics | Matematyka | classes | graded credit | 60 |
| Basics of quantum chemistry | Podstawy chemii kwantowej | lecture | 4 | examination | 20 |
| Basics of quantum chemistry | Podstawy chemii kwantowej | classes | graded credit | 25 |
| Organic Chemistry | Chemia organiczna | lecture | 4 | graded credit | 30 |
| Organic Chemistry | Chemia organiczna | classes | graded credit | 30 |
| Inorganic Chemistry | Chemia nieorganiczna | lecture | 4 | examination | 30 |
| Inorganic Chemistry | Chemia nieorganiczna | laboratory | graded credit | 30 |
| Validation of analytical procedures | Walidacja procedur analitycznych | lecture | 4 | examination | 30 |
| Validation of analytical procedures | Walidacja procedur analitycznych | Classes | graded credit | 30 |
| SUMMER SEMESTER (2) |
| Applied geochemistry | Geochemia stosowana | lecture | 2 | graded credit | 15 |
| Applied geochemistry | Geochemia stosowana | classes | graded credit | 15 |
| Crystallography | Krystalografia | lecture | 5 | examination | 15 |
| Crystallography | Krystalografia | classes | graded credit | 15 |
| Crystallography | Krystalografia | laboratory | graded credit | 30 |
| Fundamentals of Crystallography | Podstawy krystalografii | lecture | 2 | examination | 15 |
| Fundamentals of Crystallography | Podstawy krystalografii | classes | graded credit | 10 |
| Chromatographic and electromigration methods | Metody chromatograficzne i elektromigracyjne | lecture | 5 | graded credit | 30 |
| Chromatographic and electromigration methods | Metody chromatograficzne i elektromigracyjne | laboratory | graded credit | 30 |
| Basics of chromatographic analysis | Podstawy analizy chromatograficznej | lecture | 4 | examination | 30 |
| Basics of chromatographic analysis | Podstawy analizy chromatograficznej | laboratory | graded credit | 30 |
| Organic Chemistry | Chemia organiczna | lecture | 8 | examination | 30 |
| Organic Chemistry | Chemia organiczna | classes | graded credit | 30 |
| Organic Chemistry | Chemia organiczna | laboratory | graded credit | 105 |
| Inorganic Chemistry | Chemia nieorganiczna | lecture | 6 | examination | 30 |
| Inorganic Chemistry | Chemia nieorganiczna | classes | graded credit | 15 |
| Inorganic Chemistry | Chemia nieorganiczna | laboratory | graded credit | 30 |
| Coordination and bionieorganic chemistry | Chemia koordynacyjna i bionieorganiczna | lecture | 6 | examination | 30 |
| Coordination and bionieorganic chemistry | Chemia koordynacyjna i bionieorganiczna | classes | graded credit | 15 |
| Coordination and bionieorganic chemistry | Chemia koordynacyjna i bionieorganiczna | laboratory | graded credit | 30 |