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| logo_znak | **Jan Kochanowski University**  **The Faculty of Mathematics and Natural Sciences**  25-406 Kielce, ul. Świętokrzyska 15  Poland  Web page: <http://www.ujk.edu.pl/wmp/> |

**Field of Study: PHYSICS\***

**Institute coordinator: mgr Łukasz Jabłoński, e-mail address: l.jablonski@ujk.edu.pl**

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| **NO.** | **Course name (Polish)** | **Course name (English)** | **ECTS credits** | **Semester** |
| 1 | Mechanika kwantowa | Quantum mechanics | 2.0 | Winter |
| 2 | Relatywistyczna mechanika kwantowa | Relativistic quantum mechanics | 2.0 | Summer |
| 3 | Mechanika kwantowa układu wielu ciał | Quantum mechanics of many body system | 2.0 | Winter |
| 4 | Teoria pola | Field theory | 3.0 | Summer |
| 5 | Mechanika statystyczna | Statistical mechanics | 2.0 | Winter |
| 6 | Materia skondensowana | Condensed matter | 2.0 | Winter |
| 7 | Nanofizyka | Nanophysics | 3.0 | Summer |
| 8 | Relatywistyczna fizyka jądrowa | Relativistic nuclear physics | 2.0 | Summer |
| 9 | Teoria względności | Theory of relativity | 2.0 | Winter |
| 10 | Astrofizyka | Astrophysics | 1.0 | Winter |
| 11 | Metody statystyczne | Statistical methods | 2.0 | Summer |
| 12 | Metody komputerowe | Computer methods | 2.0 | Summer |
| 13 | Układy złożone | Chaos theory | 2.0 | Summer |
| 14 | III pracownia fizyczna | 3rd physical laboratory | 7.0+5.0 | Winter/Summer |

\*the other courses must be consulted individually; incoming student can also choose courses from the list of mathematics