

Subject card

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|--|---|--|------------------------|-------------------------------------|---------|--|-----|
| Subject name and code | Mechanics , PG_00190894 | | | | | | |
| Field of study | Nuclear safety and radiological protection | | | | | | |
| Date of commencement of studies | October 2026 | Academic year of realisation of subject | | | | 2026/2027 | |
| Education level | Bachelor's studies | Subject group | | | | Obligatory subject group in the field of study | |
| Mode of study | full-time studies | Mode of delivery | | | | at the university | |
| Year of study | 1 | Language of instruction | | | | Polish | |
| Semester of study | 1 | ECTS credits | | | | 4.0 | |
| Learning profile | academic | Assessment form | | | | exam | |
| Conducting unit | Faculty of Mathematics, Physics and Informatics -> Rector | | | | | | |
| Name and surname of lecturer (lecturers) | Subject supervisor | | dr Joanna Gondek | | | | |
| | Teachers | | | | | | |
| Lesson types | Lesson type | Lecture | Tutorial | Laboratory | Project | Seminar | SUM |
| | Number of study hours | 30.0 | 30.0 | 0.0 | 0.0 | 0.0 | 60 |
| | E-learning hours included: 0.0 | | | | | | |
| Learning activity and number of study hours | Learning activity | Participation in didactic classes included in study plan | | Participation in consultation hours | | Self-study | SUM |
| | Number of study hours | 60 | | 0.0 | | 60.0 | 120 |
| Subject objectives | not applicable | | | | | | |
| Learning outcomes | Course outcome | | Subject outcome | | | Method of verification | |
| | [BJORL3_W01] Has an advanced knowledge and understanding of the fundamental concepts and principles of nuclear physics and chemistry, understands their historical development and significance not only for nuclear safety and radiation protection, but also in the context of the fundamental dilemmas facing modern civilization. | | not applicable | | | [SW4] test/exam - oral or written [SW3] text preparation/written work | |
| | [BJORL3_W02] Has an advanced understanding of the role of physical and chemical experiments, mathematical theoretical models approximating reality, and computer simulations in scientific research methodology; is aware of technological, apparatus, and methodological limitations in scientific research. | | not applicable | | | [SW4] test/exam - oral or written [SW3] text preparation/written work | |
| | [BJORL3_U01] Can formulate the laws of physics and chemistry using mathematical formalism. | | not applicable | | | [SU3] text preparation/written work [SU4] test/exam - oral or written | |
| Subject contents | not applicable | | | | | | |
| Prerequisites and co-requisites | not applicable | | | | | | |

| Assessment methods and criteria | Subject passing criteria | Passing threshold | Percentage of the final grade |
|--|--------------------------|-------------------|-------------------------------|
| | not applicable | 51.0% | 60.0% |
| | not applicable | 51.0% | 40.0% |
| Recommended reading | Basic literature | not applicable | |
| | Supplementary literature | not applicable | |
| | eResources addresses | | |
| Example issues/ example questions/ tasks being completed | not applicable | | |
| Work placement | Not applicable | | |

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