

Subject card

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|--|---|--|----------|-------------------------------------|--|------------|-----|
| Subject name and code | Bacelor's Laboratory, PG_00168496 | | | | | | |
| Field of study | Nuclear safety and radiological protection | | | | | | |
| Date of commencement of studies | October 2026 | Academic year of realisation of subject | | | 2028/2029 | | |
| Education level | Bachelor's studies | Subject group | | | Obligatory subject group in the field of study Optional subject group Subject group related to scientific research in the field of study | | |
| Mode of study | full-time studies | Mode of delivery | | | at the university | | |
| Year of study | 3 | Language of instruction | | | Polish | | |
| Semester of study | 6 | ECTS credits | | | 5.0 | | |
| Learning profile | academic | Assessment form | | | credit | | |
| Conducting unit | Faculty of Mathematics, Physics and Informatics -> Rector | | | | | | |
| Name and surname of lecturer (lecturers) | Subject supervisor | | | | | | |
| | Teachers | | | | | | |
| Lesson types | Lesson type | Lecture | Tutorial | Laboratory | Project | Seminar | SUM |
| | Number of study hours | 0.0 | 0.0 | 60.0 | 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 | | 65.0 | 125 |
| Subject objectives | not applicable | | | | | | |

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| Learning outcomes | Course outcome | Subject outcome | Method of verification |
| | [BJORL3_K07] Is prepared to make independent decisions as well as to work within a team, where assumes responsibility for the consequences of these actions. | not applicable | [SK1] oral statement/conversation/discussion [SK5] implementation of a problem task |
| | [BJORL3_K06] Is ready to perform the professional role in a competent and responsible manner and to adhere to the principles of professional ethics. | not applicable | [SK1] oral statement/conversation/discussion [SK5] implementation of a problem task |
| | [BJORL3_K08] He is ready to think and act entrepreneurially. | not applicable | [SK1] oral statement/conversation/discussion [SK5] implementation of a problem task |
| | [BJORL3_U09] Can independently plan and implement his own learning. | not applicable | [SU1] oral statement/conversation/discussion [SU5] implementation of a problem task |
| | [BJORL3_U02] Has the ability to perform measurements of basic quantities used in physics and chemistry; can develop, describe and present the results of simple experiments and computer simulations; can perform quantitative analyses and formulate qualitative conclusions on this basis; can estimate measurement uncertainties. | not applicable | [SU1] oral statement/conversation/discussion [SU5] implementation of a problem task |
| | [BJORL3_W03] Knows how to plan and perform a simple physical or chemical experiment and analyze the results obtained; knows the elements of the theory of measurement uncertainty as applied to experiments; knows the basic units of the SI system and its most important derived units; knows other systems of measurement units. | not applicable | [SW1] oral statement/conversation/discussion [SW5] implementation of a problem task |
| [BJORL3_W02] Understands the role of physical and chemical experimentation, 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 | [SW1] oral statement/conversation/discussion [SW5] implementation of a problem task | |
| Subject contents | do uzupełnienia | | |
| Prerequisites and co-requisites | | | |
| Assessment methods and criteria | Subject passing criteria | Passing threshold | Percentage of the final grade |
| | not applicable | 0.0% | 100.0% |
| 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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