



Subject card

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|---|--|--|-------------------------------------|-------------------------------|--|---------|-----|
| Subject name and code | Nanotechnology in Medicine, PG_00040471 | | | | | | |
| Field of study | Nanotechnology | | | | | | |
| Date of commencement of studies | February 2023 | Academic year of realisation of subject | | | 2023/2024 | | |
| Education level | second-cycle studies | Subject group | | | 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 | 2 | Language of instruction | | | Polish | | |
| Semester of study | 3 | ECTS credits | | | 2.0 | | |
| Learning profile | general academic profile | Assessment form | | | assessment | | |
| Conducting unit | Department of Solid State Physics -> Faculty of Applied Physics and Mathematics | | | | | | |
| Name and surname of lecturer (lecturers) | Subject supervisor | prof. dr hab. inż. Bogusław Kusz | | | | | |
| | Teachers | dr inż. Marta Przeźniak-Welenc prof. dr hab. inż. Bogusław Kusz | | | | | |
| Lesson types and methods of instruction | Lesson type | Lecture | Tutorial | Laboratory | Project | Seminar | SUM |
| | Number of study hours | 15.0 | 0.0 | 15.0 | 0.0 | 0.0 | 30 |
| | E-learning hours included: 0.0 | | | | | | |
| | Additional information: Lecture and practical learning in the laboratory. | | | | | | |
| 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 | 30 | 2.0 | | 18.0 | 50 | |
| Subject objectives | Learning about the possibilities and achievements of nanotechnology in medicine. | | | | | | |
| Learning outcomes | Course outcome | Subject outcome | | | Method of verification | | |
| | K7_U07 | The student is able to apply the acquired specialist knowledge to issues from other exact sciences, natural sciences or technology. | | | [SU4] Assessment of ability to use methods and tools | | |
| | K7_W02 | The student has knowledge in the selected field of nanotechnology and, to an extent adequate to the needs, in the field of medicine. | | | [SW2] Assessment of knowledge contained in presentation | | |
| | K7_W04 | The student has in-depth practical and basic theoretical knowledge of physical experimental nanotechnologies. | | | [SW1] Assessment of factual knowledge | | |
| Subject contents | Nanotechnology in diagnosis, treatment and regenerative nanotechnology. | | | | | | |
| Prerequisites and co-requisites | | | | | | | |
| Assessment methods and criteria | Subject passing criteria | Passing threshold | | Percentage of the final grade | | | |
| | laboratory | 51.0% | | 51.0% | | | |
| | lecture | 51.0% | | 49.0% | | | |
| Recommended reading | Basic literature | Internet | | | | | |
| | Supplementary literature | Lack | | | | | |
| | eResources addresses | Podstawowe https://enauczanie.pg.edu.pl/moodle/course/view.php?id=37968 - e-course Adresy na platformie eNauczanie: | | | | | |

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| Example issues/ example questions/ tasks being completed | Nanotechnology in cancer treatment. Nanotechnology in diagnostics. Nanotechnology in regenerative medicine. |
| Work placement | Not applicable |