# GDAŃSK UNIVERSITY OF TECHNOLOGY

## Subject card

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| Subject name and code | Philosophy, PG_00052316 |
| Field of study | Chemical Technology |

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| Date of commencement of studies | October 2022 | Academic year of realisation of subject | 2022/2023 |
| Education level | first-cycle studies | Subject group | Optional subject group Humanistic-social subject group |
| 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 | 3.0 |
| Learning profile | general academic profile | Assessment form | assessment |

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| Conducting unit | Department of Philosophy and Science Methodology -> Faculty of Management and Economics |

| Name and surname of lecturer (lecturers) | Subject supervisor | dr hab. Przemysław Parszutowicz |
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| | Teachers | dr hab. Przemysław Parszutowicz |

| Lesson types and methods of instruction | Lesson type | Lecture | Tutorial | Laboratory | Project | Seminar | SUM |
|---|---|---|---|---|---|---|---|
| | Number of study hours | 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 30 |
| | 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 |
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| | Number of study hours | 30 | 2.0 | 43.0 | 75 |

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| Subject objectives | The aim of the course is to acquaint students with the basic philosophical issues from ancient times to the present, with special emphasis on theory of knowledge, methodology and philosophy of sciences. |

| Learning outcomes | Course outcome | Subject outcome | Method of verification |
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| | K6_K01 | Student nurtures both an attitude of critical distance and a virtue of autoreflection. | [SK2] Assessment of progress of work |
| | K6_K02 | Student knows the main methodological problems, the most important philosophical trends and issues as well as their genesis. He can explain the specific nature of both theoretical and humanistic sciences. The student also recognizes the main problems and concepts of modern philosophy of science and knows the arguments used to justify them. | [SK2] Assessment of progress of work |

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| Subject contents | Philosophical concept of nature and its history; the concept of method in philosophy; humanities vs. exact sciences; foundations of positivism (Comte); the transcendental method and its foundations (the problem of synthetic *a priori* judgements); characteristics of scientific concepts and rules of their construction (natural sciences); characteristics of scientific concepts and rules of their construction (humanities); the main problems of theory of knowledge and philosophy of science; meaning of an experiment; the problem of induction; Popper's falsifiability and the problem of demarcation; Kuhn's theory of scientific revolutions; Feyerabend's methodological anarchy; scence and pseudoscience; science and ethical values; the problem of anthropocene. |
| Prerequisites and co-requisites | |

| Assessment methods and criteria | Subject passing criteria | Passing threshold | Percentage of the final grade |
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| | attendance | 70.0% | 20.0% |
| | final test | 50.0% | 80.0% |

| Recommended reading | Basic literature | Alan Chalmers, *Czym jest to, co zwiemy nauką*, Wrocław 1997; Marian Grabowski, *Elementy filozofii nauki*, Toruń 2000; Władysław Tatarkiewicz, *Historia filozofi*i, t. 3, Warszawa 2005; Andrzej Miś, Filozofia współczesna: główne nurty, Warszawa 2006. |
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| | Supplementary literature | 1. Michał Tempczyk, *Fizyka a świat realny. Elementy filozofii fizyki,* Warszawa: PWN, 1991.<br>2. Michał Tempczyk, *Teoria chaosu dla odważnych*, Warszawa: PWN, 2002.<br>3. Paweł Zeidler, *Miejsce filozofii chemii w filozofii przyrodoznawstwa*, „Roczniki Filozoficzne", Tom LIV, numer 2, 2006. |
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| | eResources addresses | Adresy na platformie eNauczanie: |
| Example issues/ example questions/ tasks being completed | List the main areas of philosophy; Discuss the basic conceptions in the field methodology of sciences; Descartes and his achievements in the field of mathematics and physics; Karl Popper and falsifiability; What is anthropocene? What is scientism? | |
| Work placement | Not applicable | |

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