



## Subject card

|   |  |  |                                 |                                     |  |            |     |
|---|--|--|---------------------------------|-------------------------------------|--|------------|-----|
| Subject name and code                       | BSc Diploma Seminar, PG_00048093   |  |                                 |                                     |  |            |     |
| Field of study                              | Electronics and Telecommunications   |  |                                 |                                     |  |            |     |
| Date of commencement of studies             | October 2023   | Academic year of realisation of subject                  |                                 |                                     | 2026/2027  |            |     |
| Education level                             | first-cycle studies  | Subject group  |                                 |                                     | Optional subject group<br>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                               | 4  | Language of instruction                                  |                                 |                                     | Polish   |            |     |
| Semester of study                           | 7  | ECTS credits   |                                 |                                     | 2.0  |            |     |
| Learning profile                            | general academic profile   | Assessment form  |                                 |                                     | assessment   |            |     |
| Conducting unit                             | Department of Metrology and Optoelectronics -> Faculty of Electronics, Telecommunications and Informatics  |  |                                 |                                     |  |            |     |
| Name and surname of lecturer (lecturers)    | Subject supervisor   |  | dr hab. inż. Robert Bogdanowicz |                                     |  |            |     |
|   | Teachers   |  | dr hab. inż. Robert Bogdanowicz |                                     |  |            |     |
| Lesson types and methods of instruction     | Lesson type  | Lecture  | Tutorial                        | Laboratory                          | Project  | Seminar    | SUM |
|   | Number of study hours  | 0.0  | 0.0                             | 0.0                                 | 0.0  | 30.0       | 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 |
|   | Number of study hours  | 30   |                                 | 2.0                                 |  | 18.0       | 50  |
| Subject objectives                          | Supervision over the implementation of the engineering thesis, ongoing monitoring of the Diploma's progress, preparation for the engineering exam. |  |                                 |                                     |  |            |     |

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| Learning outcomes  | Course outcome   | Subject outcome   | Method of verification                             |
|  | [K6_W07] Knows and understands, to an advanced extent, the general principles of setting up and development of business entities, forms of individual entrepreneurship and running ventures in the field specific to the field of study  | Student possessing information on where and how to transfer knowledge to the private sector. Has information about university tools to support entrepreneurship.  | [SW1] Assessment of factual knowledge              |
|  | [K6_K01] is ready to cultivate and disseminate models of proper behaviour in and outside the work environment; make independent decisions; critically evaluate actions of their own, teams they lead and organisations they are part of; take responsibility for results of these actions; responsibly perform professional roles, including: n - observing rules of professional ethics and require it from others, n - care for the achievements and traditions of the profession  | The student is able to solve problems related to the exercise of the profession of engineer, correctly identifies and resolves dilemmas related to this profession, performs risk assessment and is able to assess the effects of their activities. | [SK2] Assessment of progress of work               |
|  | [K6_K02] is ready to critically assess possessed knowledge and acknowledge the importance of knowledge in solving cognitive and practical problems   | The student is able to interpret and evaluate the presented data independently. Independently makes decisions and assesses the stages of project implementation.  | [SK3] Assessment of ability to organize work       |
|  | [K6_U10] can individually plan their own lifelong education, also by means of advanced information and communication technologies (ICT), and communicate with people from their environment, firmly justify their point of view, participate in debates, present, assess and discuss different opinions and points of view, as well as use specialist terminology related to the field of study in communication   | The student independently uses ICT tools to obtain information. Critically analyzes the acquired data, correctly discusses and describes them using specialized terminology.  | [SU2] Assessment of ability to analyse information |
| [K6_K03] is ready to meet social obligations, co-organise activities for the social environment, initiate actions for the public interest, think and act in an entrepreneurial way | The student has knowledge of how to set up your own business as the university supports such activities and activities.  | [SK3] Assessment of ability to organize work  |  |
| Subject contents   | 1. A series of seminars, prepared individually by graduate students, on the procedure for implementing a thesis - from defining tasks, theoretical analysis, literature research, presentation of the diploma exam. Editorial and formal requirements 2. A series of individual presentations and reports on the assumptions, program, implementation, requirements and timetable for completing the diploma thesis 3. A series of individual presentations on completed tasks of the diploma theses, in the form of presentations for the diploma exam. |   |  |
| Prerequisites and co-requisites  | No requirements  |   |  |
| Assessment methods and criteria  | Subject passing criteria   | Passing threshold   | Percentage of the final grade                      |
|  | Practical exercise   | 60.0%   | 100.0%   |
| Recommended reading  | Basic literature   | SPIE  |  |
|  | Supplementary literature   | Tutoriale IEEE  |  |
|  | eResources addresses   | Adresy na platformie eNauczanie:  |  |
| Example issues/<br>example questions/<br>tasks being completed   | 1. A review of the state of knowledge and literature.<br>2. Methodology for obtaining information on the state of knowledge.<br>3. Critical presentation of the research method used.  |   |  |
| Work placement   | Not applicable   |   |  |