

| Schedule for Doctoral School, third year, summer semester (III, 6) - academic year 2025/2026 |            |                                     |                         |   |  |  |                 |  |
|--|------------|-------------------------------------|-------------------------|---|--|--|-----------------|--|
| Deadline for obtaining a semester pass in the USOS system: 31/07/2026                        |            |                                     |                         |   |  |  |                 |  |
| No.  | Date       | Time                                | Lecture room            | Subjects  | Lecturer                                       | Requirements   | Number of hours | Location   |
| 1  | 13.03.2026 | 8:00 - 9:30                         | L051                    | Recent achievements in using hydrogen in energy systems   | dr hab. inż. Bartosz Ceran, prof. PP           | compulsory - environmental engineering, mining and energy / elective - other disciplines                           | 2               |  |
|  |            | 9:45 - 11:15                        | 113                     | Industry 4.0 and recognizing opportunities in the transition of the enterprise to a circular economy                      | prof. dr hab. inż. Stefan Trzcieliński         | compulsory - management and quality studies  | 2               |  |
|  |            |                                     | 103                     | Convolutional neural networks for medical image processing and robot vision, learning and control                         | prof. dr inż. Eduardo Jose Bayro Corrochano    | compulsory - automation, electronics, electrical engineering and space technologies                                | 2               |  |
|  |            | 11:45 - 13:15                       | L051                    | An application of the boundary element method to static, dynamic and initial stability analysis of engineering structures | dr hab. inż. Michał Guminiak, prof. PP         | compulsory - civil engineering, geodesy and transport  | 2               |  |
|  |            |                                     | 113                     | Sustainable interiors: architecture for future generations  | prof. dr hab. inż. arch. Agata Bonenberg       | compulsory - architecture and urban planning   | 2               |  |
|  |            | 13:30 - 15:00                       | L051                    | Carbon nanotubes in mechanical engineering, the route towards applications  | dr hab. inż. Jarosław Kaluźny, prof. PP        | compulsory - civil engineering, geodesy and transport / elective - other disciplines                               | 2               |  |
|  |            | 15:10 - 16:40                       | L051                    | Technologies of rapid and virtual prototyping   | dr hab. inż. Filip Górski, prof. PP            | compulsory - mechanical engineering / elective - other disciplines   | 2               |  |
| 2  | 20.03.2026 | 8:00 - 9:30                         | L051                    | Recent achievements in using hydrogen in energy systems   | dr hab. inż. Bartosz Ceran, prof. PP           | compulsory - environmental engineering, mining and energy / elective - other disciplines                           | 2               |  |
|  |            | 9:45 - 11:15                        | 113                     | Industry 4.0 and recognizing opportunities in the transition of the enterprise to a circular economy                      | prof. dr hab. inż. Stefan Trzcieliński         | compulsory - management and quality studies  | 2               |  |
|  |            | 11:45 - 13:15                       | L051                    | An application of the boundary element method to static, dynamic and initial stability analysis of engineering structures | dr hab. inż. Michał Guminiak, prof. PP         | compulsory - civil engineering, geodesy and transport  | 2               |  |
|  |            | 13:30 - 15:00                       | L051                    | Carbon nanotubes in mechanical engineering, the route towards applications  | dr hab. inż. Jarosław Kaluźny, prof. PP        | compulsory - civil engineering, geodesy and transport / elective - other disciplines                               | 2               |  |
|  |            | 15:10 - 16:40                       | L051                    | Technologies of rapid and virtual prototyping   | dr hab. inż. Filip Górski, prof. PP            | compulsory - mechanical engineering / elective - other disciplines   | 2               |  |
| 3  | 27.03.2026 | 8:00 - 9:30                         | L.02.1                  | Application of the multi-stage approach of the finite element method in analysis of systems with an electromagnetic field | dr hab. inż. Rafał Wojciechowski, prof. PP     | compulsory - automation, electronics, electrical engineering and space technologies / elective - other disciplines | 2               |  |
|  |            | 9:45 - 11:15                        | L.02.1                  | An application of the boundary element method to static, dynamic and initial stability analysis of engineering structures | dr hab. inż. Michał Guminiak, prof. PP         | compulsory - civil engineering, geodesy and transport  | 2               |  |
|  |            |                                     | 103                     | Convolutional neural networks for medical image processing and robot vision, learning and control                         | prof. dr inż. Eduardo Jose Bayro Corrochano    | compulsory - automation, electronics, electrical engineering and space technologies                                | 2               |  |
|  |            | 11:45 - 13:15                       | L121                    | Resilient cities facing the climate and environmental crisis  | prof. dr hab. inż. arch. Anna Januchta-Szostak | compulsory - architecture and urban planning / elective - other disciplines  | 2               |  |
|  |            | 13:30 - 15:00                       | 113                     | Industry 4.0 and recognizing opportunities in the transition of the enterprise to a circular economy                      | prof. dr hab. inż. Stefan Trzcieliński         | compulsory - management and quality studies  | 2               |  |
| 4  | 10.04.2026 | 9:45 - 11:15                        | L051                    | Reverse engineering - 3D scanning and data processing   | dr hab. inż. Michał Rychlik, prof. PP          | compulsory - mechanical engineering  | 2               |  |
|  |            |                                     | 113                     | Industry 4.0 and recognizing opportunities in the transition of the enterprise to a circular economy                      | prof. dr hab. inż. Stefan Trzcieliński         | compulsory - management and quality studies  | 2               |  |
|  |            |                                     | 103                     | Convolutional neural networks for medical image processing and robot vision, learning and control                         | prof. dr inż. Eduardo Jose Bayro Corrochano    | compulsory - automation, electronics, electrical engineering and space technologies                                | 2               |  |
|  |            | 11:45 - 13:15                       | L051                    | An application of the boundary element method to static, dynamic and initial stability analysis of engineering structures | dr hab. inż. Michał Guminiak, prof. PP         | compulsory - civil engineering, geodesy and transport  | 2               |  |
|  |            | 13:30 - 15:00                       | L051                    | Resilient cities facing the climate and environmental crisis  | prof. dr hab. inż. arch. Anna Januchta-Szostak | compulsory - architecture and urban planning / elective - other disciplines  | 2               |  |
|  |            | 15:10 - 16:40                       | 720WE                   | Application of the multi-stage approach of the finite element method in analysis of systems with an electromagnetic field | dr hab. inż. Rafał Wojciechowski, prof. PP     | compulsory - automation, electronics, electrical engineering and space technologies / elective - other disciplines | 2               |  |
| 5  | 17.04.2026 | 8:00 - 9:30                         | L051                    | Beyond the double helix: computing strategies for complex biological architectures  | dr hab. inż. Tomasz Żok, prof. PP              | compulsory - information and communication technology / elective - other disciplines                               | 2               | L051, L121, L.02.1<br>Piotrowo 2,<br>Technical Library;<br>103, 113 Jana Pawła<br>II 24, Mechatronics,<br>Biomechanics and<br>Nanotechnology<br>Centre; A1.419<br>Piotrowo 3A, Centre<br>of Languages and<br>Communication;<br>720WE, Piotrowo 3A<br>Faculty of Control,<br>Robotics and<br>Electrical Engineering |
|  |            | 9:45 - 11:15                        | L051                    | Overview of modern telecommunications techniques  | prof. dr hab. inż. Wojciech Kabaciński         | compulsory - information and communication technology  | 2               |  |
|  |            |                                     | 113                     | Advances in water treatment   | dr hab. inż. Joanna Jeż-Walkowiak, prof. PP    | compulsory - environmental engineering, mining and energy  | 2               |  |
|  |            | 11:45 - 13:15                       | L051                    | Nature-inspired solvents and sorbents as green approach for sample preparation in analytical chemistry                    | dr hab. Justyna Werner                         | compulsory in the discipline of chemical sciences  | 2               |  |
|  |            |                                     | 113                     | Photonic materials for photovoltaics  | dr hab. Dobrosława Kasprówska, prof. PP        | compulsory - materials engineering   | 2               |  |
| 13:30 - 15:00  | L051       | Environmental impact of xenobiotics | dr hab. inż. Anna Parus | compulsory - chemical sciences / elective - other disciplines   | 2  |  |                 |  |

|               |            |                          |                   |  |   |  |   |
|---------------|------------|--------------------------|-------------------|--|---|--|---|
| 6             | 24.04.2026 | 8:00 - 9:30              | L051              | Beyond the double helix: computing strategies for complex biological architectures                     | dr hab. inż. Tomasz Żok, prof. PP           | compulsory - information and communication technology / elective - other disciplines | 2 |
|               |            | 9:45 - 11:15             | L051              | Overview of modern telecommunications techniques   | dr hab. inż. Damian Karwowski               | compulsory - information and communication technology                                | 2 |
|               |            |                          | 113               | Advances in water treatment  | dr hab. inż. Joanna Jeż-Walkowiak, prof. PP | compulsory - environmental engineering, mining and energy                            | 2 |
|               |            |                          | 103               | Convolutional neural networks for medical image processing and robot vision, learning and control      | prof. dr inż. Eduardo Jose Bayro Corrochano | compulsory - automation, electronics, electrical engineering and space technologies  | 2 |
|               |            | 11:45 - 13:15            | L051              | Nature-inspired solvents and sorbents as green approach for sample preparation in analytical chemistry | dr hab. Justyna Werner                      | compulsory - chemical sciences   | 2 |
|               |            |                          | 113               | Photonic materials for photovoltaics   | dr hab. Dobrosława Kasproicz, prof. PP      | compulsory - materials engineering   | 2 |
|               |            | 13:30 - 15:00            | L051              | Environmental impact of xenobiotics  | dr hab. inż. Anna Parus                     | compulsory - chemical sciences / elective - other disciplines                        | 2 |
|               |            | 15:10 - 16:40            | 113               | Sustainable interiors: architecture for future generations   | prof. dr hab. inż. arch. Agata Bonenberg    | compulsory - architecture and urban planning   | 2 |
| 16:50 - 18:20 | A1.419 CJK | Foreign Language: Polish | mgr Barbara Tarko | noncompulsory  | 2   |  |   |
| 7             | 08.05.2026 | 9:45 - 11:15             | 113               | Advances in water treatment  | dr hab. inż. Joanna Jeż-Walkowiak, prof. PP | compulsory - environmental engineering, mining and energy                            | 2 |
|               |            | 11:45 - 13:15            | 113               | Photonic materials for photovoltaics   | dr hab. Dobrosława Kasproicz, prof. PP      | compulsory - materials engineering   | 2 |
|               |            | 16:50 - 18:20            | A1.419 CJK        | Foreign Language: Polish   | mgr Barbara Tarko                           | noncompulsory  | 2 |
| 8             | 15.05.2026 | 9:45 - 11:15             | L051              | Overview of modern telecommunications techniques   | dr hab. inż. Mariusz Żal                    | compulsory - information and communication technology                                | 2 |
|               |            |                          | 113               | Advances in water treatment  | dr hab. inż. Joanna Jeż-Walkowiak, prof. PP | compulsory - environmental engineering, mining and energy                            | 2 |
|               |            | 11:45 - 13:15            | L051              | Nature-inspired solvents and sorbents as green approach for sample preparation in analytical chemistry | dr hab. Justyna Werner                      | compulsory - chemical sciences   | 2 |
|               |            |                          | 113               | Photonic materials for photovoltaics   | dr hab. Dobrosława Kasproicz, prof. PP      | compulsory - materials engineering   | 2 |
|               |            | 13:30 - 15:00            | L121              | Reverse engineering - 3D scanning and data processing  | dr hab. inż. Michał Rychlik, prof. PP       | compulsory - mechanical engineering  | 2 |
|               |            | 15:10 - 16:40            | L051              | Raman spectroscopy of optical materials  | dr hab. Tomasz Runka, prof. PP              | compulsory - materials engineering / elective - other disciplines                    | 2 |
| 9             | 22.05.2026 | 8:00 - 9:30              | L121              | Foreign Language: Polish   | mgr Justyna Polomka                         | noncompulsory  | 2 |
|               |            | 9:45 - 11:15             | L121              | Foreign Language: Polish   | mgr Justyna Polomka                         | noncompulsory  | 2 |
|               |            | 11:45 - 13:15            | L051              | Resilience of organizations and supply chains  | dr hab. inż. Agnieszka Stachowiak, prof. PP | compulsory - management and quality studies / elective - other disciplines           | 2 |
|               |            | 13:30 - 15:00            | L051              | Nature-inspired solvents and sorbents as green approach for sample preparation in analytical chemistry | dr hab. Justyna Werner                      | compulsory - chemical sciences   | 2 |
|               |            |                          | L121              | Overview of modern telecommunications techniques   | dr hab. inż. Dawid Mieloch, prof. PP        | compulsory - information and communication technology                                | 2 |
| 10            | 29.05.2026 | 8:00 - 9:30              | L121              | Foreign Language: Polish   | mgr Justyna Polomka                         | noncompulsory  | 2 |
|               |            | 9:45 - 11:15             | L121              | Foreign Language: Polish   | mgr Justyna Polomka                         | noncompulsory  | 2 |
|               |            | 11:45 - 13:15            | L051              | Resilience of organizations and supply chains  | dr hab. inż. Agnieszka Stachowiak, prof. PP | compulsory - management and quality studies / elective - other disciplines           | 2 |
|               |            | 13:30 - 15:00            | L051              | wykład gościnny  | prof. Waldemar Karwowski                    | noncompulsory/guest lecture  | 2 |
|               |            | 15:10 - 16:40            | L051              | wykład gościnny  | prof. Waldemar Karwowski                    | noncompulsory/guest lecture  | 2 |
| 11            | 12.06.2026 | 8:00 - 9:30              | L051              | Foreign Language: Polish   | mgr Justyna Polomka                         | noncompulsory  | 2 |
|               |            | 9:45 - 11:15             | L051              | Foreign Language: Polish   | mgr Justyna Polomka                         | noncompulsory  | 2 |
|               |            | 11:45 - 13:15            | L051              | Reverse engineering - 3D scanning and data processing  | dr hab. inż. Michał Rychlik, prof. PP       | compulsory - mechanical engineering  | 2 |
|               |            | 13:30 - 15:00            | L051              | Raman spectroscopy of optical materials  | dr hab. Tomasz Runka prof. PP               | compulsory - materials engineering / elective - other disciplines                    | 2 |
| 12            | 19.06.2026 | 8:00 - 9:30              | L121              | Foreign Language: Polish   | mgr Justyna Polomka                         | noncompulsory  | 2 |
|               |            | 9:45 - 11:15             | L121              | Foreign Language: Polish   | mgr Justyna Polomka                         | noncompulsory  | 2 |
|               |            | 11:45 - 13:15            | 113               | Sustainable interiors: architecture for future generations   | prof. dr hab. inż. arch. Agata Bonenberg    | compulsory - architecture and urban planning   | 2 |
|               |            |                          | L121              | Reverse engineering - 3D scanning and data processing  | dr hab. inż. Michał Rychlik, prof. PP       | compulsory - mechanical engineering  | 2 |