

## Schedule for Doctoral School, second year, winter semester (II, 3) - academic year 2025/2026

Deadline for obtaining a semester pass in the USOS system: 15/02/2026

| No | Date       | Time          | Lecture room | Lecturer                                                                  | Subjects                                                                                                                                                   | Requirements                                                                                                      | Number of hours | Location                                                                                                                                             |
|----|------------|---------------|--------------|---------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1  | 10.10.2025 | 9:45 - 11:15  | L121         | dr hab. inż. arch. Adam Nadolny, prof. PP                                 | Architectural Context in Contemporary Scholarship: Key Issues and Perspectives                                                                             | compulsory in the discipline of architecture and urban planning                                                   | 2               | L051, L121<br>Piotrowo 2,<br>Technical Library<br><br>113, 103<br>Jana Pawła II 24,<br>Mechanics and<br>Biomechanics and<br>Nanotechnology<br>Centre |
|    |            | 11:45 - 13:15 | L121         | dr hab. inż. arch. Adam Nadolny, prof. PP                                 | Contemporary Scientific Approaches to the History and Theory of Architecture: Selected Topics                                                              | compulsory in the discipline of architecture and urban planning / elective                                        | 2               |                                                                                                                                                      |
|    |            | 13:30 - 15:00 | L121         | dr hab. inż. Damian Joachimiak, prof. PP                                  | Methods for modelling heat flow in energy devices                                                                                                          | compulsory in the discipline of environmental engineering, mining and energy / elective                           | 2               |                                                                                                                                                      |
|    |            | 15:10 - 16:40 | L121         | prof. dr hab. Ryszard Czajka                                              | Scanning Tunneling Microscopy                                                                                                                              | compulsory in the discipline of materials engineering / elective                                                  | 2               |                                                                                                                                                      |
| 2  | 17.10.2025 | 8:00 - 9:30   | L051         | dr inż. Filip Karaśkiewicz                                                | Six Sigma methodology in production management                                                                                                             | elective                                                                                                          | 2               |                                                                                                                                                      |
|    |            | 9:45 - 11:15  | L051         | prof. dr hab. Ryszard Czajka                                              | Scanning Tunneling Microscopy                                                                                                                              | compulsory in the discipline of materials engineering / elective                                                  | 2               |                                                                                                                                                      |
|    |            | 13:30 - 15:00 | L121         | dr hab. inż. arch. Adam Nadolny, prof. PP                                 | Contemporary Scientific Approaches to the History and Theory of Architecture: Selected Topics                                                              | compulsory in the discipline of architecture and urban planning / elective                                        | 2               |                                                                                                                                                      |
|    |            | 15:10 - 16:40 | L121         | dr hab. inż. arch. Adam Nadolny, prof. PP                                 | Architectural Context in Contemporary Scholarship: Key Issues and Perspectives                                                                             | compulsory in the discipline of architecture and urban planning                                                   | 2               |                                                                                                                                                      |
| 3  | 24.10.2025 | 8:00 - 9:30   | L051         | dr inż. Filip Karaśkiewicz                                                | Six Sigma methodology in production management                                                                                                             | elective                                                                                                          | 2               |                                                                                                                                                      |
|    |            | 9:45 - 11:15  | L051         | dr Jakub Pawlak                                                           | Roles of team members in the management process - selected aspects                                                                                         | elective                                                                                                          | 2               |                                                                                                                                                      |
|    |            | 11:45 - 13:15 | L051         | dr hab. inż. Jacek Żak, prof. PP                                          | Harvard University Case Study Method                                                                                                                       | elective                                                                                                          | 2               |                                                                                                                                                      |
|    |            | 13:30 - 15:00 | L051         | dr inż. Marcin Nowak                                                      | Scientific visualisations with Python                                                                                                                      | elective                                                                                                          | 2               |                                                                                                                                                      |
| 4  | 07.11.2025 | 8:00 - 9:30   | L051         | dr Jakub Pawlak                                                           | Roles of team members in the management process - selected aspects                                                                                         | elective                                                                                                          | 2               |                                                                                                                                                      |
|    |            | 9:45 - 11:15  | L051         | dr hab. inż. Jacek Żak, prof. PP                                          | Harvard University Case Study Method                                                                                                                       | elective                                                                                                          | 2               |                                                                                                                                                      |
|    |            | 11:45 - 13:15 | 113          | dr hab. inż. Joanna Jeż-Walkowiak, prof. PP                               | Advances in water treatment                                                                                                                                | compulsory in the discipline of environmental engineering, mining and energy                                      | 2               |                                                                                                                                                      |
|    |            | 13:30 - 15:00 | L121         | dr hab. inż. Damian Joachimiak, prof. PP                                  | Methods for modeling heat flow in energy devices                                                                                                           | compulsory in the discipline of environmental engineering, mining and energy / elective                           | 2               |                                                                                                                                                      |
|    |            | 15:10 - 16:40 | 113          | dr hab. inż. Stefan Brock, prof. PP                                       | Machine learning methods in control systems                                                                                                                | compulsory in the discipline of automation, electronics, electrical engineering and space technologies            | 2               |                                                                                                                                                      |
|    |            |               | L121         | prof. dr hab. inż. Łukasz Chrzanowski                                     | Chemistry and Biotechnology in the Modern World. A Journey from Household through Laboratory to Industry                                                   | compulsory in the discipline of chemical sciences                                                                 | 2               |                                                                                                                                                      |
| 5  | 14.11.2025 | 15:10 - 16:40 | L121         | dr hab. inż. arch. Adam Nadolny, prof. PP                                 | Architectural Context in Contemporary Scholarship: Key Issues and Perspectives                                                                             | compulsory in the discipline of architecture and urban planning                                                   | 2               |                                                                                                                                                      |
|    |            |               | 113          | dr hab. inż. Stefan Brock, prof. PP                                       | Machine learning methods in control systems                                                                                                                | compulsory in the discipline of automation, electronics, electrical engineering and space technologies            | 2               |                                                                                                                                                      |
|    |            | 16:50 - 18:20 | L051         | dr inż. Marcin Nowak                                                      | Scientific visualisations with Python                                                                                                                      | elective                                                                                                          | 2               |                                                                                                                                                      |
| 6  | 21.11.2025 | 8:00 - 9:30   | L121         | Nuala Mederski, MA                                                        | Specialist English language course: writing skills                                                                                                         | noncompulsory                                                                                                     | 2               |                                                                                                                                                      |
|    |            | 9:45 - 11:15  | L121         | Nuala Mederski, MA                                                        | Specialist English language course: writing skills                                                                                                         | noncompulsory                                                                                                     | 2               |                                                                                                                                                      |
|    |            | 11:45 - 13:15 | L121         | dr hab. inż. arch. Adam Nadolny, prof. PP                                 | Architectural Context in Contemporary Scholarship: Key Issues and Perspectives                                                                             | compulsory in the discipline of architecture and urban planning                                                   | 2               |                                                                                                                                                      |
|    |            | 13:30 - 15:00 | 113          | dr hab. inż. Joanna Jeż-Walkowiak, prof. PP                               | Advances in water treatment                                                                                                                                | compulsory in the discipline of environmental engineering, mining and energy                                      | 2               |                                                                                                                                                      |
|    |            |               | L121         | prof. dr hab. inż. Łukasz Chrzanowski                                     | Chemistry and Biotechnology in the Modern World. A Journey from Household through Laboratory to Industry                                                   | compulsory in the discipline of chemical sciences                                                                 | 2               |                                                                                                                                                      |
|    |            | 15:10 - 16:40 | L051         | dr hab. Marek Szczepański, prof. PP                                       | Sustainable Finance and ESG Investing                                                                                                                      | compulsory in the discipline of management and quality studies                                                    | 2               |                                                                                                                                                      |
|    |            |               | 113          | dr hab. inż. Stefan Brock, prof. PP                                       | Machine learning methods in control systems                                                                                                                | compulsory in the discipline of automation, electronics, electrical engineering and space technologies            | 2               |                                                                                                                                                      |
| 7  | 28.11.2025 | 8:00 - 9:30   | L121         | dr hab. inż. Tomasz Rębiś                                                 | Modification of electrodes with electroactive materials possessing redox properties for applications in enzymatic biosensors and electrochemical detection | compulsory in the discipline of chemical sciences / elective                                                      | 2               | L051, L121<br>Piotrowo 2,<br>Technical Library<br><br>113, 103<br>Jana Pawła II 24,<br>Mechanics and<br>Biomechanics and<br>Nanotechnology<br>Centre |
|    |            | 9:45 - 11:15  | L051         | dr hab. inż. Paulina Golińska-Dawson, prof. PP                            | Product Management in a Circular Econ                                                                                                                      | compulsory in the discipline of management and quality studies / elective                                         | 2               |                                                                                                                                                      |
|    |            | 11:45 - 13:15 | L051         | dr hab. Marek Szczepański, prof. PP                                       | Sustainable Finance and ESG Investing                                                                                                                      | compulsory in the discipline of management and quality studies                                                    | 2               |                                                                                                                                                      |
|    |            | 13:30 - 15:00 | L121         | prof. dr hab. inż. Łukasz Chrzanowski                                     | Chemistry and Biotechnology in the Modern World. A Journey from Household through Laboratory to Industry                                                   | compulsory in the discipline of chemical sciences                                                                 | 2               |                                                                                                                                                      |
|    |            |               | 113          | dr hab. inż. Joanna Jeż-Walkowiak, prof. PP                               | Advances in water treatment                                                                                                                                | compulsory in the discipline of environmental engineering, mining and energy                                      | 2               |                                                                                                                                                      |
| 8  | 05.12.2025 | 8:00 - 9:30   | L121         | Nuala Mederski, MA                                                        | Specialist English language course: writing skills                                                                                                         | noncompulsory                                                                                                     | 2               |                                                                                                                                                      |
|    |            | 9:45 - 11:15  | L051         | dr hab. inż. Jacek Żak, prof. PP                                          | Harvard University Case Study Method                                                                                                                       | elective                                                                                                          | 2               |                                                                                                                                                      |
|    |            | 11:45 - 13:15 | L051         | dr hab. inż. Magdalena Łasecka-Plura                                      | Efficient methods for sensitivity computation in complex engineering systems – fundamentals and applications                                               | compulsory in the discipline of civil engineering, geodesy and transport / elective                               | 2               |                                                                                                                                                      |
| 9  | 12.12.2025 | 8:00 - 9:30   | L051         | dr hab. inż. Paulina Golińska-Dawson, prof. PP                            | Product Management in a Circular Econ                                                                                                                      | compulsory in the discipline of management and quality studies / elective                                         | 2               |                                                                                                                                                      |
|    |            | 9:45 - 11:15  | L121         | prof. dr hab. inż. Piotr Skrzypczyński                                    | Autonomous driving: AI and robotics perspective                                                                                                            | compulsory in the discipline of automation, electronics, electrical engineering and space technologies / elective | 2               |                                                                                                                                                      |
|    |            |               | 113          | dr hab. inż. Joanna Jeż-Walkowiak, prof. PP                               | Advances in water treatment                                                                                                                                | compulsory in the discipline of environmental engineering, mining and energy                                      | 2               |                                                                                                                                                      |
|    |            | 13:30 - 15:00 | L051         | Prof. Dr. rer. Nat. habil. Sven Ulrich, Karlsruhe Institute of Technology | Thin-film Technology                                                                                                                                       | compulsory in the discipline of materials engineering                                                             | 2               |                                                                                                                                                      |
|    |            |               | 103          | prof. dr hab. inż. Łukasz Chrzanowski                                     | Chemistry and Biotechnology in the Modern World. A Journey from Household through Laboratory to Industry                                                   | compulsory in the discipline of chemical sciences                                                                 | 2               |                                                                                                                                                      |
|    |            |               | L051         | Prof. Dr. rer. Nat. habil. Sven Ulrich, Karlsruhe Institute of Technology | Thin-film Technology                                                                                                                                       | compulsory in the discipline of materials engineering                                                             | 2               |                                                                                                                                                      |
|    |            | 15:10 - 16:40 | L051         | dr hab. inż. Tomasz Rębiś                                                 | Modification of electrodes with electroactive materials possessing redox properties for applications in enzymatic biosensors and electrochemical detection | compulsory in the discipline of chemical sciences / elective                                                      | 2               |                                                                                                                                                      |
| 10 | 19.12.2025 | 9:45 - 11:15  | L051         | Prof. Dr. rer. Nat. habil. Sven Ulrich, Karlsruhe Institute of Technology | Thin-film Technology                                                                                                                                       | compulsory in the discipline of materials engineering                                                             | 2               |                                                                                                                                                      |
|    |            | 11:45 - 13:15 | 113          | dr hab. inż. Stefan Brock, prof. PP                                       | Machine learning methods in control systems                                                                                                                | compulsory in the discipline of automation, electronics, electrical engineering and space technologies            | 2               |                                                                                                                                                      |
|    |            |               | L051         | Prof. Dr. rer. Nat. habil. Sven Ulrich, Karlsruhe Institute of Technology | Thin-film Technology                                                                                                                                       | compulsory in the discipline of materials engineering                                                             | 2               |                                                                                                                                                      |
|    |            | 13:30 - 15:00 | L121         | prof. dr hab. inż. Piotr Skrzypczyński                                    | Autonomous driving: AI and robotics perspective                                                                                                            | compulsory in the discipline of automation, electronics, electrical engineering and space technologies / elective | 2               |                                                                                                                                                      |
|    |            | 15:10 - 16:40 | L051         | dr hab. inż. Magdalena Łasecka-Plura                                      | Efficient methods for sensitivity computation in complex engineering systems – fundamentals and applications                                               | compulsory in the discipline of civil engineering, geodesy and transport / elective                               | 2               |                                                                                                                                                      |

|    |            |               |      |                                                                              |                                                                      |                                                                                     |   |
|----|------------|---------------|------|------------------------------------------------------------------------------|----------------------------------------------------------------------|-------------------------------------------------------------------------------------|---|
| 11 | 09.01.2026 | 8:00 - 9:30   | L121 | Nuala Mederski, MA                                                           | Specialist English language course: writing skills                   | noncompulsory                                                                       | 2 |
|    |            | 9:45 - 11:15  | L121 | Nuala Mederski, MA                                                           | Specialist English language course: writing skills                   | noncompulsory                                                                       | 2 |
|    |            | 11:45 - 13:15 | L121 | prof. dr hab. inż. Katarzyna Rzeszut                                         | Stability of thin-walled steel structures                            | compulsory in the discipline of civil engineering, geodesy and transport            | 2 |
|    |            | 13:30 - 15:00 | L121 | prof. dr hab. inż. Jerzy Stefanowski, dr hab. inż. Szymon Szczepny, prof. PP | Neuromorphic and adaptive learning systems                           | compulsory in the discipline of information and communication technology            | 2 |
|    |            | 15:10 - 16:40 | L051 | dr hab. Marek Szczepański, prof. PP                                          | Sustainable Finance and ESG Investing                                | compulsory in the discipline of management and quality studies                      | 2 |
|    |            | 16:50 - 18:20 | L121 | dr hab. inż. Filip Górski, prof. PP                                          | Design automation of customized products using knowledge engineering | compulsory in the discipline of mechanical engineering                              | 2 |
| 12 | 16.01.2026 | 8:00 - 9:30   | L051 | dr hab. inż. Marek Szostak, prof. PP                                         | Automation in plastics processing and recycling                      | compulsory in the discipline of mechanical engineering / elective                   | 2 |
|    |            | 9:45 - 11:15  | L121 | dr hab. inż. Filip Górski, prof. PP                                          | Design automation of customized products using knowledge engineering | compulsory in the discipline of mechanical engineering                              | 2 |
|    |            | 11:45 - 13:15 | L121 | prof. dr hab. inż. Katarzyna Rzeszut                                         | Stability of thin-walled steel structures                            | compulsory in the discipline of civil engineering, geodesy and transport            | 2 |
|    |            | 13:30 - 15:00 | L121 | prof. dr hab. inż. Jerzy Stefanowski, dr hab. inż. Szymon Szczepny, prof. PP | Neuromorphic and adaptive learning systems                           | compulsory in the discipline of information and communication technology            | 2 |
|    |            | 15:10 - 16:40 | L051 | dr hab. Marek Szczepański, prof. PP                                          | Sustainable Finance and ESG Investing                                | compulsory in the discipline of management and quality studies                      | 2 |
| 13 | 23.01.2026 | 8:00 - 9:30   | L051 | dr hab. inż. Marek Szostak, prof. PP                                         | Automation in plastics processing and recycling                      | compulsory in the discipline of mechanical engineering / elective                   | 2 |
|    |            | 9:45 - 11:15  | L051 | dr hab. inż. Mikołaj Morzy, prof. PP                                         | Machine learning methods in natural language processing              | compulsory in the discipline of information and communication technology / elective | 2 |
|    |            | 11:45 - 13:15 | L121 | prof. dr hab. inż. Jerzy Stefanowski, dr hab. inż. Szymon Szczepny, prof. PP | Neuromorphic and adaptive learning systems                           | compulsory in the discipline of information and communication technology            | 2 |
|    |            | 13:30 - 15:00 | L121 | dr hab. inż. Filip Górski, prof. PP                                          | Design automation of customized products using knowledge engineering | compulsory in the discipline of mechanical engineering                              | 2 |
|    |            | 15:10 - 16:40 | L121 | prof. dr hab. inż. Katarzyna Rzeszut                                         | Stability of thin-walled steel structures                            | compulsory in the discipline of civil engineering, geodesy and transport            | 2 |
| 14 | 30.01.2026 | 8:00 - 9:30   | L121 | prof. dr hab. inż. Katarzyna Rzeszut                                         | Stability of thin-walled steel structures                            | compulsory in the discipline of civil engineering, geodesy and transport            | 2 |
|    |            | 9:45 - 11:15  | L121 | prof. dr hab. inż. Jerzy Stefanowski, dr hab. inż. Szymon Szczepny, prof. PP | Neuromorphic and adaptive learning systems                           | compulsory in the discipline of information and communication technology            | 2 |
|    |            | 11:45 - 13:15 | L051 | dr hab. inż. Mikołaj Morzy, prof. PP                                         | Machine learning methods in natural language processing              | compulsory in the discipline of information and communication technology / elective | 2 |
|    |            | 13:30 - 15:00 | L121 | dr hab. inż. Filip Górski, prof. PP                                          | Design automation of customized products using knowledge engineering | compulsory in the discipline of mechanical engineering                              | 2 |