

## Subject card

|                                             |                                                                                                                                                                                             |                                                          |                                                                                                                                       |                                     |                                                                          |            |     |
|---------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|--------------------------------------------------------------------------|------------|-----|
| Subject name and code                       | Analyst in Agile Methodologies, PG_00183597                                                                                                                                                 |                                                          |                                                                                                                                       |                                     |                                                                          |            |     |
| Field of study                              | Informatics                                                                                                                                                                                 |                                                          |                                                                                                                                       |                                     |                                                                          |            |     |
| Date of commencement of studies             | October 2024                                                                                                                                                                                |                                                          | Academic year of realisation of subject                                                                                               |                                     | 2026/2027                                                                |            |     |
| Education level                             | Bachelor's studies                                                                                                                                                                          |                                                          | Subject group                                                                                                                         |                                     | Obligatory subject group in the field of study<br>Optional subject group |            |     |
| Mode of study                               | full-time studies                                                                                                                                                                           |                                                          | Mode of delivery                                                                                                                      |                                     | at the university                                                        |            |     |
| Year of study                               | 3                                                                                                                                                                                           |                                                          | Language of instruction                                                                                                               |                                     | Polish                                                                   |            |     |
| Semester of study                           | 5                                                                                                                                                                                           |                                                          | ECTS credits                                                                                                                          |                                     | 2.0                                                                      |            |     |
| Learning profile                            | practical                                                                                                                                                                                   |                                                          | Assessment form                                                                                                                       |                                     | credit                                                                   |            |     |
| Conducting unit                             |                                                                                                                                                                                             |                                                          |                                                                                                                                       |                                     |                                                                          |            |     |
| Name and surname of lecturer (lecturers)    | Subject supervisor                                                                                                                                                                          |                                                          | dr Jakub Neumann                                                                                                                      |                                     |                                                                          |            |     |
|                                             | Teachers                                                                                                                                                                                    |                                                          |                                                                                                                                       |                                     |                                                                          |            |     |
| Lesson types                                | 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                                                                                                                                                              |                                                          |                                                                                                                                       |                                     |                                                                          |            |     |
| 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                                                       |                                                                                                                                       | 0.0                                 |                                                                          | 0.0        | 30  |
| Subject objectives                          | The aim of the course is to familiarize students with the details of conducting business analysis in agile methodologies.                                                                   |                                                          |                                                                                                                                       |                                     |                                                                          |            |     |
| Learning outcomes                           | Course outcome                                                                                                                                                                              |                                                          | Subject outcome                                                                                                                       |                                     | Method of verification                                                   |            |     |
|                                             | [INFL3_K02] can precisely formulate questions to deepen his/ her own understanding of a given topic or to find missing elements of reasoning                                                |                                                          | Students discuss details and present projects in selected agile methodologies (Scrum, Kanban)                                         |                                     | [SK1] oral statement/conversation/ discussion                            |            |     |
|                                             | [INFL3_W03] has ordered knowledge in software engineering and project management methodologies, IT project life cycle, software specification, validation and verification, design patterns |                                                          | Students learn the principles of conducting business analysis in IT projects and gain knowledge of working in agile methodologies.    |                                     | [SW2] presentation/project/paper/ report                                 |            |     |
|                                             | [INFL3_U09] is able to - in accordance with the given specification - design and implement IT system                                                                                        |                                                          | Students can obtain system requirements, create use cases and UML diagrams, create user stories, and define a Minimum Viable Project. |                                     | [SU8] observation of student's independent or team work                  |            |     |

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| Subject contents                                               | Students will learn the principles of business analysis in IT projects using agile methodologies (Scrum, Kanban). They will gain knowledge of working with agile methodologies.<br>Business Analysis Project Basics<br>Requirements Elicitation<br>Creating Use Cases and UML Diagrams<br>Overview of Agile Methodologies and Their Elements<br>Creating a User Story<br>Creating a Minimum Viable Product |                                                                                                                                                                              |                               |
| Prerequisites and co-requisites                                | Passed the "Object-functional programming" course                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                              |                               |
| Assessment methods and criteria                                | Subject passing criteria                                                                                                                                                                                                                                                                                                                                                                                   | Passing threshold                                                                                                                                                            | Percentage of the final grade |
|                                                                | Team project evaluation                                                                                                                                                                                                                                                                                                                                                                                    | 51.0%                                                                                                                                                                        | 60.0%                         |
|                                                                | Participation in class discussions                                                                                                                                                                                                                                                                                                                                                                         | 51.0%                                                                                                                                                                        | 40.0%                         |
| Recommended reading                                            | Basic literature                                                                                                                                                                                                                                                                                                                                                                                           | Krystian Kaczor, Scrum i nie tylko, ISBN 9788301188870<br><br>Bartosz Chrabski, Karolina Zmitrowicz, Inżynieria wymagań w praktyce, ISBN 9788301180188                       |                               |
|                                                                | Supplementary literature                                                                                                                                                                                                                                                                                                                                                                                   | Stanisław Wrycza, Bartosz Marcinkowski, Krzysztof Wyrzykowski, Język UML 2.0 w modelowaniu systemów informatycznych, ISBN 8373618929<br><br>BABOK v3. ISBN-13: 9781927584026 |                               |
|                                                                | eResources addresses                                                                                                                                                                                                                                                                                                                                                                                       | Supplementary<br><a href="https://4ba.pl">https://4ba.pl</a> - Portal dedicated to business analysis                                                                         |                               |
| Example issues/<br>example questions/<br>tasks being completed |                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                              |                               |
| Work placement                                                 | Not applicable                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                              |                               |

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