

## Subject card

|                                             |                                                                                                                                                                                                   |                                                          |                                         |                                     |         |                                                                                                                                        |     |
|---------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|-----------------------------------------|-------------------------------------|---------|----------------------------------------------------------------------------------------------------------------------------------------|-----|
| Subject name and code                       | Mathematical Knowledge for Early Education, PG_00206765                                                                                                                                           |                                                          |                                         |                                     |         |                                                                                                                                        |     |
| Field of study                              | Pre-school and Early School Education                                                                                                                                                             |                                                          |                                         |                                     |         |                                                                                                                                        |     |
| Date of commencement of studies             | October 2026                                                                                                                                                                                      |                                                          | Academic year of realisation of subject |                                     |         | 2026/2027                                                                                                                              |     |
| Education level                             | uniform Master's studies                                                                                                                                                                          |                                                          | Subject group                           |                                     |         | Obligatory subject group in the field of study<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                               | 1                                                                                                                                                                                                 |                                                          | Language of instruction                 |                                     |         | Polish                                                                                                                                 |     |
| Semester of study                           | 2                                                                                                                                                                                                 |                                                          | ECTS credits                            |                                     |         | 4.0                                                                                                                                    |     |
| Learning profile                            | academic                                                                                                                                                                                          |                                                          | Assessment form                         |                                     |         | exam                                                                                                                                   |     |
| Conducting unit                             |                                                                                                                                                                                                   |                                                          |                                         |                                     |         |                                                                                                                                        |     |
| Name and surname of lecturer (lecturers)    | Subject supervisor                                                                                                                                                                                |                                                          | dr Alicja Komorowska-Zielony            |                                     |         |                                                                                                                                        |     |
|                                             | Teachers                                                                                                                                                                                          |                                                          |                                         |                                     |         |                                                                                                                                        |     |
| Lesson types                                | Lesson type                                                                                                                                                                                       | Lecture                                                  | Tutorial                                | Laboratory                          | Project | Seminar                                                                                                                                | SUM |
|                                             | Number of study hours                                                                                                                                                                             | 15.0                                                     | 30.0                                    | 0.0                                 | 0.0     | 0.0                                                                                                                                    | 45  |
|                                             | 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                                                                                                                                                                             | 45                                                       |                                         | 0.0                                 |         | 55.0                                                                                                                                   | 100 |
| Subject objectives                          | nie dotyczy                                                                                                                                                                                       |                                                          |                                         |                                     |         |                                                                                                                                        |     |
| Learning outcomes                           | Course outcome                                                                                                                                                                                    |                                                          | Subject outcome                         |                                     |         | Method of verification                                                                                                                 |     |
|                                             | [PPWJ5_K09] The graduate has social competences enabling them to critically assess one's own knowledge within a given area of education, and broaden it.                                          |                                                          | nie dotyczy                             |                                     |         | [SK5] implementation of a problem task<br>[SK8] observation of student's independent or team work                                      |     |
|                                             | [PPWJ5_U05] The graduate has the skills enabling them to effectively use information and communication technologies in the implementation of teaching tasks                                       |                                                          | nie dotyczy                             |                                     |         | [SU4] test/exam - oral or written<br>[SU5] implementation of a problem task<br>[SU8] observation of student's independent or team work |     |
|                                             | [PPWJ5_W22] The graduate knows and understands to an in-depth level-He/she has advanced, structured and theoretically based knowledge of the content of a given area of early childhood education |                                                          | nie dotyczy                             |                                     |         | [SW4] test/exam - oral or written<br>[SW1] oral statement/ conversation/discussion<br>[SW5] implementation of a problem task           |     |
| Subject contents                            | nie dotyczy                                                                                                                                                                                       |                                                          |                                         |                                     |         |                                                                                                                                        |     |
| Prerequisites and co-requisites             |                                                                                                                                                                                                   |                                                          |                                         |                                     |         |                                                                                                                                        |     |
| Assessment methods and criteria             | Subject passing criteria                                                                                                                                                                          |                                                          | Passing threshold                       |                                     |         | Percentage of the final grade                                                                                                          |     |
|                                             |                                                                                                                                                                                                   |                                                          | 51.0%                                   |                                     |         | 75.0%                                                                                                                                  |     |
|                                             |                                                                                                                                                                                                   |                                                          | 51.0%                                   |                                     |         | 25.0%                                                                                                                                  |     |
| Recommended reading                         | Basic literature                                                                                                                                                                                  |                                                          | nie dotyczy                             |                                     |         |                                                                                                                                        |     |
|                                             | Supplementary literature                                                                                                                                                                          |                                                          | nie dotyczy                             |                                     |         |                                                                                                                                        |     |

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|                                                                | eResources addresses |  |
| Example issues/<br>example questions/<br>tasks being completed |                      |  |
| Work placement                                                 | Not applicable       |  |

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