

|    |                                |                                   |
|----|--------------------------------|-----------------------------------|
| 1. | <b>Field of study</b>          | <b>Mathematics</b>                |
| 2. | Faculty                        | Faculty of Science and Technology |
| 3. | Academic year of entry         | 2025/2026 (winter term)           |
| 4. | Level of qualifications/degree | first-cycle studies               |
| 5. | Degree profile                 | general academic                  |
| 6. | Mode of study                  | full-time                         |

|   |   |  |
|---|---|--|
| 7.  | <b>General information about the module</b> |  |
| <b>Module name</b>  |   | <b>Editing mathematical texts</b>  |
| Module code   |   | W4-MT-S1-24-ETMat  |
| Number of the ECTS credits  |   | 2  |
| Language of instruction   |   | Polish   |
| Purpose and description of the content of education                               |   | Celem przedmiotu jest zapoznanie studentów ze środowiskiem LaTeX, w tym przygotowanie dokumentów zawierających tekst matematyczny, grafikę oraz przygotowanie prezentacji z wykorzystaniem języka LaTeX. |
| List of modules that must be completed before starting this module (if necessary) |   | not applicable   |

| 8.       | Learning outcomes of the module  |                                    |                                |  |
|----------|--|------------------------------------|--------------------------------|--|
| Code     | Description  | Learning outcomes of the programme | Level of competenc (scale 1-5) |  |
| ETMat_01 | zna co najmniej jeden edytor tekstowy umożliwiający pracę w środowisku LaTeX oraz główne komendy LaTeX'a | K_W06                              | 2                              |  |
|          |  | K_W07                              | 4                              |  |
| ETMat_02 | potrafi stworzyć dokument LaTeX o rozbudowanej strukturze, napisać tekst matematyczny, dołączyć grafikę  | K_U07                              | 3                              |  |
| ETMat_03 | potrafi przygotować prezentację z wykorzystaniem języka LaTeX  | K_U07                              | 3                              |  |

|      |                               |                             |  |
|------|-------------------------------|-----------------------------|--|
| 9.   | Methods of conducting classes |                             |  |
| Code |                               | Category                    | Name (description)   |
| d01  |                               | Programmed learning methods | Working with a computer<br><i>e.g., Webquest; implementation of educational tasks using electronic and digital devices, computer programs and Internet applications; the academic teacher acts as a consultant; students' work is carried out step by step according to the plan laid own by the person teaching the course and following his instructions, and proceeds towards producing the indicated results within the set deadline</i> |
| e02  |                               | Practical methods           | Production exercise – workshop<br><i>an activity involving the creation of an object/product according to the rules/principles/description provided by the academic teacher acting as the workshop master</i>  |

| <b>10. Forms of teaching</b>  |   |  |   |                                 |                               |
|---|---|--|---|---------------------------------|-------------------------------|
| Code  | Name  | Number of hours  | Assessment of the learning outcomes of the module | Learning outcomes of the module | Methods of conducting classes |
| 01  | laboratory classes  | 15   | course work                                       | ETMat_01, ETMat_02, ETMat_03    | d01, e02                      |
| <b>11. The student's work, apart from participation in classes, includes in particular:</b> |   |  |   |                                 |                               |
| Code  | Category  | Name (description)   |   |                                 | Is it part of the BUNA?       |
| a03   | Preparation for classes   | Developing practical skills<br><i>activities involving the repetition, refinement and consolidation of practical skills, including those developed during previous classes or new skills necessary for the implementation of subsequent elements of the curriculum (as preparation for class participation)</i>  |   |                                 | No                            |
| a05   | Preparation for classes   | Production/preparation of tools, materials or documentation necessary for class participation<br><i>developing, preparing and assessing the usefulness of tools and materials (e.g. aids, scenarios, research tools, equipment, etc.) to be employed in class or as an aid when preparing for classes</i>  |   |                                 | No                            |
| b01   | Consulting the curriculum and the organization of classes       | Getting acquainted with the syllabus content<br><i>reading through the syllabus and getting acquainted with its content</i>  |   |                                 | No                            |
| b02   | Consulting the curriculum and the organization of classes       | Verification / adjustment / discussion of syllabus provisions<br><i>consulting the content of the syllabus, possibly in the presence of the year tutor or members of the class group, and, if necessary, reassessing the provisions concerning special conditions for class participation, e.g., space and time requirements, technical and other requirements, including conditions for participation in classes outside the walls of the university, classes organized in blocks, organized online, etc.</i> |   |                                 | Yes                           |
| c01   | Preparation for verification of learning outcomes               | Determining the stages of task implementation contributing to the verification of learning outcomes<br><i>devising a task implementation strategy embracing the division of content, the range of activities, implementation time and/or the method(s) of obtaining the necessary materials and tools, etc.</i>  |   |                                 | Yes                           |
| c02   | Preparation for verification of learning outcomes               | Studying the literature used in and the materials produced in class<br><i>exploring the studied content, inquiring, considering, assimilating, interpreting it, or organizing knowledge obtained from the literature, documentation, instructions, scenarios, etc., used in class as well as from the notes or other materials/artifacts made in class</i>   |   |                                 | No                            |
| d01   | Consulting the results of the verification of learning outcomes | Analysis of the corrective feedback provided by the academic teacher on the results of the verification of learning outcomes<br><i>reading through the academic teacher's comments, assessments and opinions on the implementation of the task aimed at checking the level of the achieved learning outcomes</i>   |   |                                 | Yes                           |

Information on the details of the module implementation in a given academic year can be found in the syllabus available in the USOS system: <https://usosweb.us.edu.pl>.