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| 1. | Field of study | Music in Multimedia |
| 2. | Faculty | Faculty of Fine Arts and Educational Science |
| 3. | Academic year of entry | 2025/2026 (winter term) |
| 4. | Level of qualifications/degree | second-cycle studies |
| 5. | Degree profile | practical |
| 6. | Mode of study | full-time |

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| 7. | General information about the module | |
| Module name | | Web Audio |
| Module code | | W6-DigiCrea-MM-WebA |
| Number of the ECTS credits | | 1 |
| Language of instruction | | English |
| Purpose and description of the content of education | | The "Web Audio" module provides students with an introduction to audio technologies in the context of websites and web applications. During the course, participants will explore basic techniques and tools for creating interactive audio experiences on the web. Topics include real-time sound manipulation, creating sound effects, and integrating audio with graphics and video on web pages. Students will learn to use the Web Audio API to implement audio scenarios in web applications. The workshop-based course focuses on developing practical skills in sound programming for the web. This module is part of a series of courses related to web technologies, offering a solid foundation for further growth in this field. Upon completion, students can apply advanced audio techniques in web applications. |
| List of modules that must be completed before starting this module (if necessary) | | not applicable |

| 8. | Learning outcomes of the module | | | |
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| Code | Description | Learning outcomes of the programme | Level of competenc (scale 1-5) | |
| S2-WebA_1 | The student knows the techniques and tools for creating interactive audio experiences in web applications. | W6-MM-S2-W02 | 2 | |
| | | W6-MM-S2-W03 | 3 | |
| | | W6-MM-S2-W04 | 4 | |
| S2-WebA_2 | The student can use the Web Audio API to manipulate sound in real time and create sound effects in web applications. | W6-MM-S2-U02 | 4 | |
| | | W6-MM-S2-U03 | 3 | |
| | | W6-MM-S2-U04 | 5 | |
| S2-WebA_3 | The student can collaborate on audio projects, sharing knowledge and ideas to achieve a common goal. | W6-MM-S2-K03 | 4 | |
| | | W6-MM-S2-K04 | 3 | |
| | | W6-MM-S2-K06 | 5 | |

| 9. Methods of conducting classes | | |
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| Code | Category | Name (description) |
| b08 | Problem-solving methods | Activating method – peer learning <i>learning through the exchange of knowledge in a group/team/pair of students, i.e., in the so-called learning cell; a kind of mutual learning; an approach focused on student activity under the guidance of the person teaching the course; a learning situation where students with a similar level of experience learn from one another</i> |
| b09 | Problem-solving methods | Activating method – flipped classroom <i>anticipatory learning; work in class is based on previously studied material indicated by the person teaching the course; preparation outside the classroom serves the purpose of getting familiar with the issues whose knowledge is necessary for participating in the in-class discussion and the training in the related practical skills; the activity is based on the work of students under the guidance of the person teaching the course</i> |
| c03 | Demonstration methods | Audio playback / audio drama <i>preparation and reproduction of sound material (audio recording) in its entirety or in fragments in order to illustrate the content taught in class, to submit it to analysis and evaluation or to use it as a method of sound perception, including the appreciation of a musical piece, an artistic audio drama, an oral presentation of an artistic or scientific text as well as a media text; analysis of the sound material recorded on a carrier with a view to studying a sound-related phenomenon</i> |
| c06 | Demonstration methods | Demonstration-imitation <i>a presentation of a model way of performing specific activities accompanied by a commentary; it aims at triggering imitation activities in an individual or in a group of participants observing the activities of the person teaching the course until the right habit is formed through regular exercise; the demonstration-imitation method is combined with a physical practice of activities/behaviours</i> |

| 10. Forms of teaching | | | | | |
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| Code | Name | Number of hours | Assessment of the learning outcomes of the module | Learning outcomes of the module | Methods of conducting classes |
| Wr_WebA | workshop | 12 | course work | S2-WebA_1, S2-WebA_2, S2-WebA_3 | b08, b09, c03, c06 |

| 11. The student's work, apart from participation in classes, includes in particular: | | | |
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| Code | Category | Name (description) | Is it part of the BUNA? |
| a01 | Preparation for classes | Search for materials and review activities necessary for class participation <i>reviewing literature, documentation, tools and materials as well as the specifics of the syllabus and the range of activities indicated in it as required for full participation in classes</i> | No |
| a03 | Preparation for classes | Developing practical skills <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> | Yes |
| c01 | Preparation for verification of learning outcomes | Determining the stages of task implementation contributing to the verification of learning outcomes <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 |
| e01 | Activities complementary to the classes | Undertaking, on one's own initiative and individually, activities aimed at expanding the scope or depth of the teaching content, also beyond the walls of the University <i>a set of activities undertaken independently and on the student's own initiative, aimed at expanding the</i> | No |

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| | | <i>depth and scope of knowledge and skills, their revision and repetition, retention or verification, also activities carried outside the university, e.g., in a culture promoting or educational institution, a laboratory, in the open air, etc.; also self-education</i> | |
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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>.