



UNIwersYTET  
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W POZNANIU

## Man in the World of Sounds

Educational subject description sheet

### Basic information

<b>Study programme</b> Liberal Arts and Sciences (English programme)		<b>Didactic cycle</b> 2023/24	
<b>Speciality</b> -		<b>Subject code</b> 18LENS.11K.02951.23	
<b>Organizational unit</b> Faculty of History		<b>Lecture languages</b> English	
<b>Study level</b> First-cycle programme		<b>Course type</b> Obligatory	
<b>Study form</b> Full-time		<b>Block</b> Major subjects	
<b>Education profile</b> General academic			
<b>Subject coordinator</b>	Piotr Podlipniak		
<b>Lecturer</b>	Piotr Podlipniak		
<b>Period</b> Semester 1	<b>Activities and hours</b> <ul style="list-style-type: none"><li>Lecture: 30, Graded credit; including sub-activities:<ul style="list-style-type: none"><li>Synchronous lecture: 30</li></ul></li></ul>	<b>Number of ECTS points</b> 3	

## Goals

Code	Goal
C1	Transfer of knowledge about the specifics of human sound perception
C2	characterization of the specifics of sound as a source of knowledge about surrounding world
C3	characterization of the specifics of sound as a medium of communication
C4	presentation of the specificity of the psychic experience of spectral and spectro-temporal features of sound
C5	presentation of the specificity of the psychic experience of time in the perception of sound phenomena
C6	presentation of expressive dynamics as an evolutionarily old component human sound expression
C7	characterization of the basic emotional sound expressions of human being
C8	characterization of music and speech as the Humboldt systems
C9	presentation of the basic problems of musical semantics
C10	presentation of the audiosphere concept

## Entry requirements

There are no prerequisites.

## Subject learning outcomes

Code	Outcomes in terms of	Learning outcomes	Examination methods
<b>Knowledge - Student:</b>			
W1	knows and understands the sensational features of sound	LEN_K1_W04, LEN_K1_W05, LEN_K1_W06	Test
W2	knows and understands the basic aspects of human perception of sound	LEN_K1_W04, LEN_K1_W05, LEN_K1_W06	Test
W3	knows and understands the known forms of humans sound communication	LEN_K1_W04, LEN_K1_W05, LEN_K1_W06	Test
<b>Skills - Student:</b>			
U1	can explain what the Humboldt's system is	LEN_K1_U02, LEN_K1_U03, LEN_K1_U06, LEN_K1_U08, LEN_K1_U09, LEN_K1_U10	Test
U2	can distinguish different forms of meaning encoded by means of sound	LEN_K1_U02, LEN_K1_U03, LEN_K1_U05, LEN_K1_U08, LEN_K1_U09, LEN_K1_U10	Test

Code	Outcomes in terms of	Learning outcomes	Examination methods
U3	can characterize the specificities of human sound perception	LEN_K1_U02, LEN_K1_U03, LEN_K1_U06, LEN_K1_U07, LEN_K1_U08, LEN_K1_U09, LEN_K1_U10	Test

### Study content

No.	Course content	Subject learning outcomes	Activities
1.	Sound as carrier of information.	W1, W3, U2	Lecture, Synchronous lecture
2.	Sound communication as synchronisation of mental states.	W2, W3, U1, U3	Lecture, Synchronous lecture
3.	The processing of sound stimuli by human nervous system.	W2, U1, U2, U3	Lecture, Synchronous lecture
4.	Speech and music as most complex forms of human sound communication.	W1, W3, U1, U2	Lecture, Synchronous lecture
5.	Sound as medium of cultural information.	W1, W3, U2, U3	Lecture, Synchronous lecture

### Additional information

Activities	Teaching and learning methods and activities
Lecture	Lecture with a multimedia presentation of selected issues, Conversation lecture, Audio and/or video demonstrations

Activities	Credit conditions
Lecture	Grade scale: very good (bdb; 5.0): achievement by the student of at least 90% of the expected learning outcomes good plus (+db; 4.5): achievement by the student of at least 80% of the expected learning outcomes good (db; 4.0): achievement by the student of at least 70% of the expected learning outcomes Sufficient plus (+dst; 3.5): Achievement of expected learning outcomes by the student at a minimum of 60%. Sufficient (dst; 3.0): Achievement of at least 50% of the expected learning outcomes. unsatisfactory (ndst; 2.0): the student does not achieve the expected learning outcomes.

## Literature

### Obligatory

1. Huron D.B., Cues and Signals: An Ethological Approach to Music-Related Emotion, „Signata” 6, 2015, p. 331-351.
2. Merker B., Music: The Missing Humboldt System, „Musicae Scientiae” 6, 2002, p. 3-21.
3. Merker B., The Vocal Learning Constellation, in: Music, Language, and Human Evolution, ed. N. Bannan, London 2012, p. 215-260.

### Optional

1. Rakowski A., The Domain of Pitch in Music, „Archives of Acoustics” 34(4), 2009, p. 429-443.
2. Reybrouck M., Podlipniak P., Preconceptual Spectral and Temporal Cues as a Source of Meaning in Speech and Music, „Brain Sciences” 9(3)53 (2019).
3. Wiley R.H., Noise matters: the evolution of communication, London 2015.
4. Zeskind P.S., Infant crying and the synchrony of arousal, in: The Evolution of Emotional Communication: From Sounds in Nonhuman Mammals to Speech and Music in Man, ed. E. Altenmüller, S. Schmidt, E. Zimmermann, Oxford-New York 2013, p. 155-174.
5. Zimmermann E., Leliveld L., Schehka S., Toward the evolutionary roots of affective prosody in human acoustic communication: A comparative approach to mammalian voices, in: Evolution of Emotional Communication: From Sounds in Nonhuman Mammals to Speech and Music in Man, ed. E. Altenmüller, S. Schmidt, E. Zimmermann, Oxford-New York: 2013, p. 116-132.

## Calculation of ECTS points

Activities	Activity hours*
Lecture	30
Reading the indicated literature	30
Preparation for the assessment	30
<b>Student workload</b>	<b>Hours</b> 90
<b>Number of ECTS points</b>	<b>ECTS</b> 3

\* academic hour = 45 minutes

## Efekty uczenia się dla kierunku

Kod	Treść
LEN_K1_U02	The graduate can apply in-depth knowledge of the humanities and sciences in research
LEN_K1_U03	The graduate can read with an understanding professional scientific texts in the humanities and sciences, with an awareness of the need for their critical evaluation
LEN_K1_U05	The graduate can place the conducted research in the proper philosophical context
LEN_K1_U06	The graduate can use knowledge of the humanities, social sciences, and sciences to diagnose and evaluate developments in society
LEN_K1_U07	The graduate can correctly edit, comment and annotate prepared texts, in accordance with academic requirements in Polish and English
LEN_K1_U08	The graduate can take part in discussions on topics learned in the course of studies with respect for the rules of sound argumentation
LEN_K1_U09	The graduate can plan and implement a lifelong learning process
LEN_K1_U10	The graduate can use the English language, in accordance with the requirements specified for level B2 of the the Common European Framework of Reference for Languages (CEFR)
LEN_K1_W04	The graduate knows and understands the key terminology of the main disciplines in the humanities, social sciences, sciences and natural sciences
LEN_K1_W05	The graduate knows and understands determinants of research within the humanities and sciences in the era of the digital revolution
LEN_K1_W06	The graduate knows and understands principles and methods of research within the humanities and sciences