

IGNACY JAN PADEREWSKI ACADEMY OF MUSIC IN POZNAŃ

Course Name	Practical Acoustics	ECTS Credits	5
Course Coordinator	dr Wojciech Kaszuba	Credit Hours Total	45
Faculty of	Composition, Conducting, Vocal Studies, Music Theory and Artistic Education	Course Type	Lecture/Applied Course
Institute of	Composition and Music Theory	Mode of Study	Full-Time Programme
Major	Composition and Music Theory	Profile of Study	General Academic
Specialisation	Electroacoustic Composition	Language of Instruction	English
Cycle	First-Cycle Studies	Course Group	Core/Elective

COURSE PLACEMENT IN THE STUDY PLAN

Semester 3	15 hours; Graded Test, 1 ECTS	Semester 4	15 hours; Graded Test, 1 ECTS
Semester 5	15 hours; Exam, 3 ECTS	Semester 6	

Instructor	dr Wojciech Kaszuba
Learning Aims and Objectives	The classes provide practical training in the use of electroacoustic devices, and discuss various aspects of sound recording and production techniques, as well as the maintenance of electroacoustic equipment.
Prerequisites	<ol style="list-style-type: none"> 1. Basic knowledge of acoustics 2. Freedom in using terminology related to acoustics 3. Basic knowledge of the history of electroacoustic technology

COURSE CONTENT

Semester 3	<ul style="list-style-type: none"> • Hearing properties
Semester 4	<ul style="list-style-type: none"> • Electroacoustic devices
Semester 5	<ul style="list-style-type: none"> • Sound production and recording

	Learning Outcome Reference Code	LEARNING OUTCOMES	Description	
			PQF STAGE 2	PQF STAGE 1
Knowledge	KTM1_W06	Student demonstrates knowledge of basic creative methods, techniques, technologies, tools, and ways of organizing sound material necessary in the process of composing a musical work and its analysis and interpretation.	P6S_WG	P6U_W
Skills	KTM1_U12	Student is able to use modern technological tools needed in the process of music creation.	P6S_UW	P6U_U
Competence	KTM1_K01	Student is ready to collect, analyse, and interpret necessary information.	P6S_KK	P6U_K

TEACHING METHODS

Lecture, assignments, case studies, presentation of examples, Internet, streaming, other methods used by the instructor

LEARNING OUTCOME VERIFICATION METHODS

Final Requirements – Successfully completed year, grading criteria	Learning Outcome Reference Code
Written Graded Test	KTM1_W06
practical exam (observation of performance)	KTM1_U12, KTM1_K01
oral/written assessment (graded test, exam)	
all other methods used by the instructor	KTM1_U12, KTM1_K01

ASSESSMENT METHODS AND CRITERIA

Course Completion Requirements	The condition for taking the graded test is passing the course and obtaining a positive grade with a minimum score of 50% on the scale used at the Academy of Music in Poznań.
Exam Requirements	The condition for the exam is to pass and obtain a positive grade in the subject with a minimum score of 50% on the scale used at the Academy of Music in Poznań.

STUDENT WORKLOAD

	Credit Hours Total	ECTS Credits
Contact hours with the instructor <i>(classes, consultations)</i>	60	5
Hours of independent student work <i>(preparing for classes, graded test, exam, presentation, concert)</i>	75	

Recommended Reading

- Rossing, Thomas D. (ed.) Springer Handbook of Acoustics Springer
- Pohlmann, Ken C. Principles of Digital Audio McGraw-Hill

Supplementary Reading

- Rumsey & McCormick – *Sound and Recording*

Virtual Libraries and On-Line Resources (optional)

- <https://www.soundonsound.com/technical>
- <https://www.aes.org/e-lib/browse.cfm?elib=free>
- <https://www.dafx.de>