Microphone basics

Course information

<table>
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<tr>
<th>ECTS: 1</th>
<th>Independant from the master in Acoustics</th>
<th>Course code:</th>
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<tbody>
<tr>
<td>Lecture: none</td>
<td>Tutorial classes: 10h</td>
<td>Practical work: none</td>
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Course coordinator: Manuel Melon

Course Description

Aim

The aim of this course is to know the physical principles of microphones.

Prerequisite

Course: Transducers basics, Acoustics refresh.

Contents

- Principles of directivity control
- Principles of stereo recording
- Electromechanical transduction (electrodynamic, electrostatic)
- Ribbon microphones, physical model of the electrodynamic cardioid microphone

Examination duration

2 hours

Examination type

Written examination