

# Sampling and analysing sound

## Criteria

D, DCP, CE, MS

## Aim

You must design experiments in order to sample and spectral-analyse different sources of sound.

## Sound sources, measuring devices and software

You are free to choose sound sources and measuring devices from the physics lab or your home, including use of PC's.

Software can be downloaded as freeware from the internet, but you will also be offered three programmes: FPRO, Audacity and Datalyse.

## Design

Being aware of the aspects of the D-criteria formulate and design a strategy for the sampling and spectral analysing of "relevant" chosen sounds.

Be aware of and investigate the interplay between relevant parameters of sampling in relation to the spectrum produced.

## Data Processing and Presentation

Be aware of the aspects of the DCP-criteria.

## Conclusion and Evaluation

Be aware of the aspects of the CE-criteria.

## Manipulative skills

The aspects of the MS-criteria will be evaluated as part of the summatively evaluation of MS for the whole course.