# Signal analysis II

### **Course information**

ECTS: 2.5	Common with the master in Acoustics	Course code:
Lecture: 12h	Tutorial classes: none	Practical work: 8h

Course coordinator : Laurent Simon

## **Course Description**

#### Aim

Introduction to modern signal processing for acoustics and mechanics. How to use key signal processing methods for actual data.

#### Prerequisite

Course : Signal analysis I

#### Contents

- \* Acoustic imaging with holography and beamforming.
- \* Identification of measured FRF.
- \* Pisarenko, Prony methods, decomposition in subspaces.

#### Literature

Examination duration

2 hours

#### Examination type

Written examination + grades on practicals reports