

# Signal Processing 1



ECTS  
4 crédits



Hourly volume  
43h

## Introducing

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### Objectives

At the end of this module, the student will have understood and be able to explain (main concepts):

- 1) Signal and Image processing basic notions : sampling, windowing and sampling
- 2) FFT algorithm
- 3) Basis notions on Hilbert spaces and Hilbert bases

The student will be able to:

- 1) Use the FFT and understand the output on a Signal or an image.
- 2) Apply several transformations to a signal and an image using the FFT

## Practical info

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### Location(s)

 Toulouse