

# Digital Signal Processing



Component

École Nationale  
Supérieure  
d'Électrotechnique  
d'Électronique  
d'Informatique  
d'Hydraulique  
et des  
Télécommunications



Semester

Printemps

In brief

> **Code:** N6EE02B

## Presentation

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### Objectives

Laying the basics for digital signal processing: introducing the discrete Fourier transform and its main properties, conducting spectral analysis and presenting the direct methods of synthesis of digital filters.

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### Description

Chapter 1: The Discrete Fourier Transform

Chapter 2: Estimating the Interrelation Function

Chapter 3: Estimating the Power Spectral Density

Chapter 4: Digital Filtering