

# Statistics - advanced methods



## Component

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

## In brief

- **Ametys Code:** M34HLGBT
- **Open to exchange students:** Yes

## Presentation

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### Objectives

Introduce advanced statistical modeling and methods.

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### Description

#### Course outline

- Markov chains
  - Bayesian estimation
  - Regression models
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### Pre-requisites

- Linear algebra

- Probability
- Statistics (maximum likelihood estimation)