# INSA | INSTITUT NATIONAL DES SCIENCES APPLIQUÉES TOULOUSE

# Mathematical tools II

**ECTS**
5 crédits

**Hourly volume**
78h

# Introducing

## Objectives

At the end of this course, the students will be able to solve easy EDO or to predict qualitative properties of more complex ones and to implement with Python some approximative solutions.
In the probability and statistics part, the students will be able to understand hazardous phenomena, use probability modelisation and predict statistical issues through tests.

## Necessary prerequisites

First year mathematics, Analyse Numérique and mathematics from first semester

# Practical info

## Location(s)

 Toulouse

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