


UE Computer sciences methods and programming techniques - INF131 -

 ECTS
6 crédits

 Composante
Département
de la licence
sciences et
technologies
(DLST)

 Période de
l'année
Automne (sept.
à dec./janv.)

- > Langue(s) d'enseignement: Anglais
- > Ouvert aux étudiants en échange: Oui

Présentation

Description

It gives the basis of algorithmics: data types (integers, floats, booleans, strings, lists, dictionaries), instructions (conditional, iterations), functions. The goal is to learn the algorithmic approach of solving a problem: writing an algorithm, then implementing it in a computer language (here Python). Classical algorithms studied include: searching (minimum, maximum), counting, sorting data. The focus is on writing clear, commented and efficient code, some notions of complexity are given.

Heures d'enseignement

UE Computer sciences methods and programming techniques - TD	TD	18h
UE Computer sciences methods and programming techniques - CMTD	Cours magistral - Travaux dirigés	18h
UE Computer sciences methods and programming techniques - TP	TP	27h

Période : Semestre 1

Infos pratiques

Campus

> Grenoble - Domaine universitaire