Cursus master en ingénierie
(ST205) Geosciences data processing

Responsables

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Descriptions

Code : LSTBU15

Nature : Unité d'enseignement

Domaines : Sciences et Technologies

Informations

Composante : Faculté des Sciences

Aller sur le site de l'offre de formation...

LANGUE(S) D'ENSEIGNEMENT

Anglais

CONTENU

The unit is organized around three main themes
Geostatistics
Time series analysis and introduction to signal processing
Inversion methods and optimization
An in-depth session on the R language, already covered in the first semester, is included.

COMPÉTENCES À ACQUÉRIR

1.5 Use the tools of geology, biology, mathematics, chemistry, physics, statistics and computer science to solve Earth science problems
2.5 Analyze, interpret, synthesize and model information or geological data for use in Earth sciences
2.6 Use software to map and visualize measurements or experimental data in the earth sciences
2.8 Confront data critically with existing knowledge and develop a scientific argument in Earth sciences
2.9 Be aware of the uncertainty and validity of an experimental or numerical result in Earth sciences
4.5 Develop autonomy to plan Earth science work and respond to time constraints

BIBLIOGRAPHIE, LECTURES RECOMMANDÉES

Additional resources :

https://raw.githubusercontent.com/rstudio/cheatsheets/master/base-r.pdf

https://fr.overleaf.com/learn/latex/Learn_LaTeX_in_30_minutes

PRÉ-REQUIS OBLIGATOIRES

Basics of data analysis and statistics, knowledge of R and Rstudio (first semester TC1 teaching unit).

PRÉREQUIS RECOMMANDÉS

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VOLUME HORAIRE

- Volume total: 30 heures
- Travaux dirigés: 30 heures

CODES APOGÉE

- LSTBU16 [ELP]
- LSTBU16A [ELP]

M3C

Aucune donnée M3C trouvée

POUR PLUS D'INFORMATIONS

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