

Master Sciences de la Terre et des planètes, environnement (ST205) Geosciences data processing

Responsables	Descriptions	Informations
Vincent GODARD vincent.godard@univ-amu.fr	Code : LSTBU15	Composante : Observatoire des Sciences de l'Univers - Pythéas (OSU)
Sophie VISEUR sophie.viseur@univ-amu.fr	Nature : UE Stage	
	Domaines : Sciences et Technologies	

LANGUE(S) D'ENSEIGNEMENT

Anglais

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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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