

# Master Sciences de la Terre et des planètes, environnement (ST203) Geosciences in the Anthropocene

Responsables	Descriptions	Informations
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## LANGUE(S) D'ENSEIGNEMENT

Anglais

## CONTENU

Lectures:1. characterizing the Anthropocene- Major mechanisms (Pollution, GHG emissions, urbanisation, water use etc...)- indicators (physical, biological, energy)- planetary boundaries  
2. How the Earth's system is impacted- Cryosphere- Continent- Coastal zone- Atmosphere- Ocean  
3. Geopolitical issues- Ressources- Energies- ecological limits- economic limits- international agreements  
TD:- orders of magnitude for resource exploitation- manipulation of data to characterize the problem and consider a solution  
TP:-Practical work will provide an opportunity to delve deeper into certain subjects by surveying articles (press and scientific) in English, extracts from books in English and watching videos in English. The survey work will be done at home, with a presentation in English in class (probably in pairs). (probably in pairs). This presentation will give rise to interaction between the teachers and the rest of the group. ;

## COMPÉTENCES À ACQUÉRIR

1.2-1.3 Build a foundation of fundamental knowledge in Earth sciences. Acquire and make independent use of complementary Earth science knowledge, reliably using university and digital resources.  
1.4 Relate fundamental concepts from geology, biology, mathematics, chemistry and physics to observed or described natural phenomena to deepen understanding of Earth sciences  
2.8 Confront data critically with existing knowledge and develop a scientific argument in Earth sciences  
3.1 Present scientific findings in Earth sciences in a structured manner, orally and in writing  
3.2 Reading and extracting information from documentary sources in English for use in earth sciences  
5.1 Be able to use your cultural and scientific background to understand the major issues in Earth sciences: water, minerals, fossil resources, soil preservation, natural hazards, global change, etc.

## PRÉ-REQUIS OBLIGATOIRES

Good practice of GIS software, motivation, open-mindedness

## VOLUME HORAIRE

- Volume total: 20 heures
- Cours magistraux: 6 heures
- Travaux dirigés: 8 heures
- Travaux pratiques: 6 heures

## CODES APOGÉE

- LSTBU14 [ELP]
- LSTBU14A [ELP]

## M3C

Aucune donnée M3C trouvée

## POUR PLUS D'INFORMATIONS

[Aller sur le site de l'offre de formation...](#)



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