

# Oceanic lithosphere

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Niveau d'étude  
Master 2



ECTS  
3 crédits



Volume horaire  
26h



Période de  
l'année  
Semestre 3

## Présentation

### DESCRIPTION

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The course is given in English and addresses the structure and the composition of the oceanic lithosphere,

as well as the main processes involved in its formation at mid-ocean ridges and in its evolution in off-axis domains all the way to subduction zones.

The class focuses on recent research results and on-going scientific discussions and builds on the points of view of two researchers from the Marine Geosciences team at IPGP. Satish Singh is a seismologist, and

Mathilde Cannat is a marine geologist and petrologist. Each teach a total of 12h and request the students to submit a written analysis of a scientific paper (CC)

### OBJECTIFS

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The objective is to bring the students up to date on current concepts and recent research results concerning the structure and the composition of the oceanic lithosphere and its role in plate tectonic processes. This course will be useful to students interested in the basic concept of plate tectonics, for both specialists and non-specialists, broad general knowledge of Earth Science.

### HEURES D'ENSEIGNEMENT

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Oceanic lithosphere

Cours Magistral

26h

### PRÉ-REQUIS OBLIGATOIRES

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General interested in Plate Tectonics and Earth Science. Basic knowledge of plate tectonics and geodynamic processes would be useful.

**Pour en savoir plus, rendez-vous sur > [u-paris.fr/choisir-sa-formation](https://u-paris.fr/choisir-sa-formation)**