



# STATION BIOLOGIQUE DE ROSCOFF

Ecole interne n°37 de l'Université Pierre et Marie Curie (UPMC)  
Observatoire océanologique de l'Institut National des Sciences de l'Univers (INSU)  
Fédération de recherche n°2424 des Sciences de la Vie, Centre National de la Recherche Scientifique (CNRS)

## ***Intensive ERASMUS course program ERASMUS*** ***« Marine Biodiversity » 2009*** ***Option « Diversity of Marine Algae »*** ***17 - 28 July 2009***

### ***AIMS :***

The intensive course propose aims at giving students the bases of the systematics and ecology of marine algae (with a special emphasis on seaweeds), which are essential to the understanding of their biodiversity. The course will be mostly based on hands-on and field work : organisms will be studied both in their environment and live samples will be analyses in the laboratory. The material for sampling, microscopic observation as well as a comprehensive literature set will be provided. The course also give a strong emphasis on personal work.

Students should acquire:

- A comprehensive knowledge of the distinctive characters of the main algal lineages
- Seaweeds identification skills (using both macroscopic and microscopic characters), as well as the recognition of the most frequent species on our coast.
- The basic techniques used for the sampling and preservation of algae

After a final examination of the acquired knowledge, a certificate validates the course..

***MAIN TOPICS : The summer course will be taught in French.***

### ***Lectures***

- The algae lineages in the tree of life (historical overview of our knowledges)
- Distinctive characters of the main lineages (morphology, cytology, biochemistry, reproduction)
- Systematics of the main seaweeds lineages
- Ecology of seaweeds

### ***Field work***

- Rocky-shores communities (3 field trips)
- Soft-shores communities (1 field trip)
- Planktonic communities

### ***Hands-on***

- Distinctive characters of the main algal lineages
- Systematics and identification of macroalgae
- Systematics and identification of microalgae

### ***Personal work***

- Analysis of a species chosen among a list of taxa
- Ecology of rock pools (field and laboratory work)



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## PRACTICAL INFORMATION

Arrival at the Station biologique de Roscoff on Thursday 16<sup>th</sup> July 2009  
Course starts on Friday 17<sup>th</sup> July 2009 9h00  
Courses end on Tuesday 28<sup>th</sup> July 2009  
Departure 29<sup>th</sup> July 2009 in the morning

### Travel

Train from Paris-Montparnasse to Morlaix, connection to Roscoff (via train or bus).  
Roscoff railway station is at about 15 min on foot from the Marine Station (see plan)

### Lodging at the Marine Station (Conference centre CNRS « Hôtel de France »).

Sheets and blankets are provided. **Bring your own bath-towels and toiletries.**  
Price of one night: 6.00 €

### Meals

It is possible to eat in the restaurant of the Station Biologique  
Breakfast: 3,00 €  
Lunch : 5,50 €  
Dinner : 5,50 €

### Washing Facilities

Washing machines and Clothes-dryers using a token are available at the Marine Station  
(2€ per token and 5€ for 3 tokens).

### Necessary equipment

- Dissection case with the usual tools for practical work (in particular fine tweezers and fine scissors), and a lab coat
- One or two block notes, drawing paper, pencils with soft and hard leads, an eraser
- A pack of white cartridge paper and clean rags or nylon stockings for the drying of algae in order to create a seaweed-herbarium.
- A pair of boots, espadrilles or plastic sandals for walking in the sea, and warm old clothes, plus one or several water and wind-proof anoraks for fieldwork.

### Postal Address

Station Biologique  
Enseignements ERASMUS  
Place Georges Teissier  
BP 74  
F-29682 Roscoff cedex  
FRANCE

### Additional information

Available on the site <http://www.sb-roscoff.fr/Enseignement/>,  
Or by contacting Céline Houbin ([enseignement@sb-roscoff.fr](mailto:enseignement@sb-roscoff.fr) - +33 (0)2 98 29 23 16).

