

- Faculté des sciences
- www.unine.ch/sciences

## Seminars in ecology (3BL2222)

Filières concernées	Nombre d'heures	Validation	Crédits ECTS
<b>Master en biologie</b>	<b>Séminaire: 3 ph</b>	<b>contrôle continu: 1</b>	3

ph=période hebdomadaire, pg=période globale, j=jour, dj=demi-jour, h=heure, min=minute

### Période d'enseignement:

- Semestre Printemps

### Equipe enseignante:

Pilar Junier

### Objectifs:

to establish a link between metabolisms and physiology and microbial habitats. The current methods to study microbial communities in environmental samples, as well as and the limitations of those are presented and discussed during the lectures.

### Contenu:

the content of this course includes the following topics:

- 1- Methods to study microbial communities and current limitations.
- 2- Microbial habitats and microbial diversity.
- 3- Frontiers of current knowledge and perspectives.

### Forme de l'évaluation:

CA (graded)

### Documentation:

1)Environmental microbiology, from genomes to biogeochemistry. E. Madsen. 2008. Blackwell publishing. 2)Microbial life. J. T. Stanley, R. P. Gunsalus, S. Lory, J. J. Perry. 2nd edition. Sinauer Associates Inc. List of scientific articles given at the beginning of the lectures.

### Pré-requis:

Basic concepts in microbiology and ecology of a Bachelor level

### Forme de l'enseignement:

lectures, seminars and discussion of scientific articles