



Faculté des sciences

SC

BIOL2141 **Systématique A) Principes et méthodes B) Biodiversité des plantes**

[22.5h+22.5h exercises] 3 credits

This course is taught in the 2nd semester

Teacher(s): Michel Baguette, Thierry Hance (coord.), Anne-Laure Jacquemart, Eric Le Boulengé, Renate Wesselingh

Language: french

Level: 2nd cycle course

Aims

To make accessible the principals and methods on which lay the classifications of all living species. To precise the notion of specie and its limits, its identification and nomenclature. To study the diversity of polants and especially Angiosperms.

Main themes

The course will contain the following points: 1) the classifications: goals, necessities and applications; the big schools and actual debate; 2) the specie: concept and limits (from the race to the specie groups); principals of nomenclature and of description; speciation and evolution; 3) Phylogenesis: principals of reconstruction, data analysis, using molecular biology, critics of representations; 4) The diversity of plants: historical, Pteridophytes and Gymnosperms, the actual classification system of Angiosperms and the diversity of families.

Other credits in programs

BIOL21/B	Première licence en sciences biologiques (Biologie des organismes et des populations)	(3 credits)	Mandatory
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