

Module Name	2.1.2 Terrestrial Ecosystems – Field Studies
Identification code	AEF286, EM2.1.2, AE-CAU301 Modul 2.1.2 <b>(QIS-registration for examination) 74100</b>
Subtitle	
Courses embedded	
Term	Summer
Coordinator	Prof. Dr. J. Schrautzer
Teachers	Prof. Dr. J. Schrautzer Prof. Dr. K. Dierßen, Prof. Dr. Bilger
Tuition language	English
Programme involvement	Elective MSc Environmental Management Elective Msc European Master in Applied Ecology, MSc Biology
Teaching form, contact time per week class size	<b>Exercises:</b> Terrestrial Ecosystem -Field Studies (55h/165h) Prof. Dr. Dierßen/Prof. Dr. Schrautzer/Prof. Dr. Bilger <b>Excursion:</b> Terrestrial Ecosystem –Excursion (5h/15h) Prof. Dr. Dierßen/Prof. Dr. Schrautzer 16
Workload overall + Contact time	55h/165h + 5h/15h=60h/180h
ECTS credit points	6
Preconditions prescribed	
Prerequisites recommended	
Learning outcomes	Students are able to measure principle processes within ecosystems and to recognize their biotic and abiotic structure. They are able to evaluate the possibilities, limits and informative value of field data for ecosystem conservation and management.
Content	This module focuses on the population/community dynamics and physical processes in terrestrial and semi-terrestrial ecosystems. The course provides knowledge about principal geobotanical techniques, measurements to acquire plant physiological processes, population dynamics of plant species and successional processes within plant communities. Special attention will be given to different restoration concepts currently applied in Central Europe. Exercises are carried out in differently managed forests, wet and dry grasslands, mires and gravel pits.
Assessment	Report 100%
Teaching media	
References	- Kent, M. & Coker, P. (1992): Vegetation description and analysis. CRC, Boca Raton. - Moore, P.D., Chapman, S.B. (1986): Methods in plant ecology. 2nd edition. Blackwell, Oxford. - Grime, J.P. (2002): Plant strategies, vegetations processes and ecosystem properties. 2nd edition. Wiley, Chichester
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