

716a Field practicum in Romania: Soil, climate, flora and vegetation, management

VS 6 LB I LP 4 ZP 2/4

Date: 04. - 15.8.2008 (KW 32, 33) **Start:** 04.8.2008

Institute: (52) Waldbau-Institut, Professur für Standorts- und Vegetationskunde

Lecturers/Dozenten: [Prof. Dr. Albert Reif](#), Prof. Dr. Ioan Abrudan (RO), Prof. Dr. Kostas Theodoropoulos (GR), N.N.

Number of Participants: 3 Diploma students from Freiburg

Registration: Office of Waldbau-Institut (only!), until 29.4.2008. After a first selection process (advanced students with better knowledge in ecological fields are favoured). German applicants will be asked to pay 50 € (not refundable) at the secretary's office to ensure a reliable planning for the organizers! **Obligatory meeting: Monday, 05.05.2006, 15h15; Institute of Silviculture**

Control of success: Oral examination, presentation of results

Objectives:

Introduction to sampling of flora and vegetation parameters; how to record site and management data; data analysis.

Content:

Common lectures and group works in the field, together with greek and romanian students. The locality is Brasov/Romania, and its surrounding forests.

Key qualifications:

- Ability to select sample plots; to record vegetation and site data in the field; to get basic knowledge about data analysis in vegetation ecology.
- Getting information on flora, forest types and management practises in Romania
- Capability to work in groups on forest related problems in English language
- How to write a report, and to present the data

Vorraussetzungen:

- Knowledge in plant identification, soil science, meteorology, statistics
- Interest in full-time (!) work for 2 weeks

Material:

Script will be provided

Remarks:

Please notice that this course cannot be selected during the "Zentrale Anmeldung (ZAN)". Therefore please register on the list of participants in the office of "Waldbau-Institut" (B. Trautwein, 8-12h). The total costs will be ca. 80 EURO.

The german group will leave Freiburg on 2.8.2008, and come back 17.8.2008! For further informations, please contact A. Reif (Tel. 203-3683) or Carl Hoecke, Waldbau-Institut.

Time table:

First week (4. - 8.8.2008):

	Monday	Tuesday	Wednesday	Thursday	Friday
8 – 9	L: Stand and land use history	Excursion to forest: Practise of plant identification, stand structure assessment	L: Soil Water Storage Capacity and field methods	E, G: Practising how to record relevés	G, E: Data collection (sampling in the field: Soil profiles, SWSC, species, structures); Data input to PC
9 – 10	L: Silvicultural practises		L: Nutrient supply and litter quality; indicator species		
10 – 11	L: Potential natural vegetation and tree species selection in forestry		L: Climatic patterns: Length of vegetation period, mean temperature during vegetation period, precipitation patterns (year, vegetation period), insolation (depends on free horizon, inclination, orientation), evaporation (PET, AET), humidity, aridity, indices	G, E: Data collection (sampling in the field: Soil profiles, SWSC, species, structures); Data input to PC	
11 – 12	L: Ecology of forest trees		L: Interaction between climate and soil		
12 – 14	Lunch		Lunch	Lunch	
14 – 15	L: Introduction to the plant species (Flora):		L: Sampling methods: Plot concept; selection of plots, stratification (AR, CH)	G, E: Data collection (sampling in the field: Soil profiles, SWSC, species, structures); Data input to PC	G: Data input to PC (all groups)
15 – 16	Identification, ecology, uses and values				
16 – 17			L: Plots and relevés: size/shape/; homogeneity; structures; species composition ; scales (Braun-Blanquet, Londo)		
17 - 18	L: Introduction to study area: climate, soil				

Second week (11. - 15.8.2008):

	Monday	Tuesday	Wednesday	Thursday	Friday
8-12	L: Data analysis: Introduction to classification methods	L: Data analysis: Introduction to ordination methods	G: Data analysis of environment (evaporation, humidity, ...)	G: Data analysis: Classification and ordination of relevés	G: Data analysis: Classification and ordination of relevés G: Written protocoll, report
12-14	Lunch	Lunch	Lunch	Lunch	Lunch
14-18	L: Introduction to classification programs	E: Guide tour in Brasov	G: Data analysis of phytocoenosis (diversity measures) E: Excursion to village (agricultural customs, forest use, etc.)	G: Data analysis continued: Classification and ordination of relevés	G: Presentation of results

L: Lecture; G = Group work; E = Excursion