



Master in Life Sciences

A cooperation between
BFH, FHNW, HES-SO, ZFH

Module Title	Landscape Development and Planning
Module Code	MCLs225
Module	AF-56
ECTS Credits	5
Workload	150 h: Contact 45 h; Group exercise in the field 40 h; Self-study 65 h
Module Coordinator	<p>Name Jean-Jacques Thormann</p> <p>Phone +41 31 910 21 47</p> <p>Email Jean-jacques.thormann@bfh.ch</p> <p>Address Bern University of Applied Sciences, School of Agricultural, Forest and Food Sciences, Laenggasse 85, 3052 Zollikofen</p>
Lecturers	<ul style="list-style-type: none"> • Dr. Evelyn Coleman Brantschen • David Raemy • Jean-Jacques Thormann • Guest lecturers
Entry Requirements	None.
Learning Outcomes and Competencies	<p>After completing the module, students will be able to:</p> <ul style="list-style-type: none"> • understand and apply the principles of land use planning; • analyse the development of rural areas and draw conclusions for general planning, taking account of climate change and societal demands; • identify societal demands on landscape development and propose goal-oriented solutions; • develop and implement a land-use plan in mountain rural areas.
Module Content	<p>Lecturers give an introduction to the selected topic and contributions from different disciplines to approach key issues related to that subject, including:</p> <ul style="list-style-type: none"> • basics of land-use planning in rural areas; • facts and figures, landscape development policies; • property regimes and their influence on natural resource management systems; • implications of climate change and changes in societal needs on management systems (adaptive management); • case study in a mountain region: Design of a local landscape development plan containing an interdisciplinary situation analysis, development of scenarios for the future and of policy and management recommendations for the sustainable development of the region.

Teaching and Learning Methods	A combination of lectures, individual work and teamwork with disciplinary/topical subgroups, and seminars with individual presentations and interdisciplinary group work for synthesis report. A final field week in a mountain region in Switzerland
Assessment of Learning Outcomes	1) Presentation of a local landscape development plan at the end of the field week (30%) 2) Report of the landscape development plan (70%)
Bibliography	An updated list of selected references and readings will be made available one month before the start of the course; students are expected to complement these sources with their individual research of literature and other information.
Language	English, German (fieldwork)
Comments	There will be a field week (Monday - Friday) in calendar week 25 in June
Last Update	20.03.2023/ Loredana Storno on behalf of Karin Zbinden